DAY 3 · Round 3 · Group 1

| | | | |
|---|---|---|---|
| 1 | P25 | 196 | G42 |
| 2 | P26 | 202 | G42, W20 |
| 5 | P17 | 198 | G11<br>W10<br>W9<br>W11 |
| 4 | P18 | 199 | G11 |
| 3 | P6 | 201 | G4, W7<br>W8 |

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Birding Point Counts Survey Observation Form

Project Number 160960595 Project Name: Amherst

Date June 28, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 20 | S (2) | 100 | 0 | 0 |

GPS #: T___

**Station:** P25 / 196 (G42)

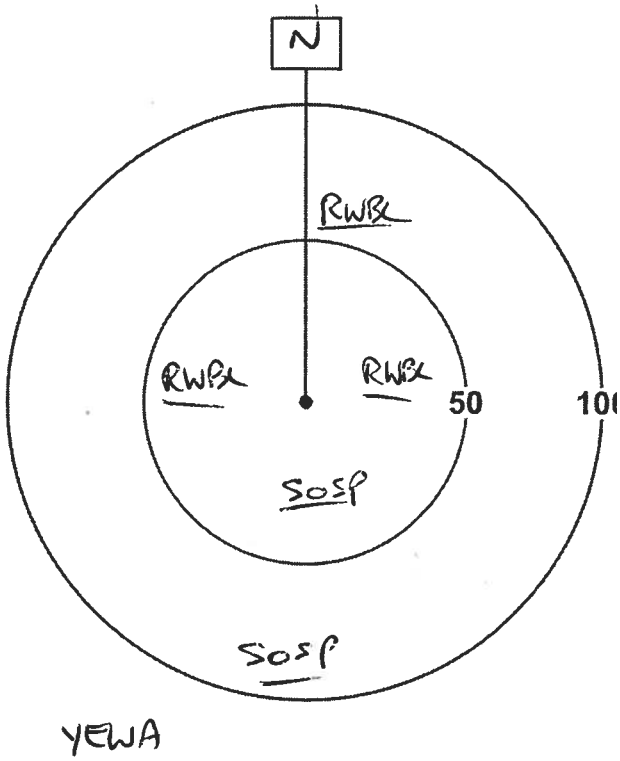
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0625

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| YEWA | | | 1 | | O |
| AMGO | | | | 2 | A |
| RWBL | 2 | 1 | | | O |
| SOSP | 1 | 1 | | | O |
| RBGR | | | | 1 | B |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




chest-high grass + herbs

Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel) Signature: _____ (Project Manager)



REV: May, 07 Form 020

**Station:** P26 / 202 (G42)

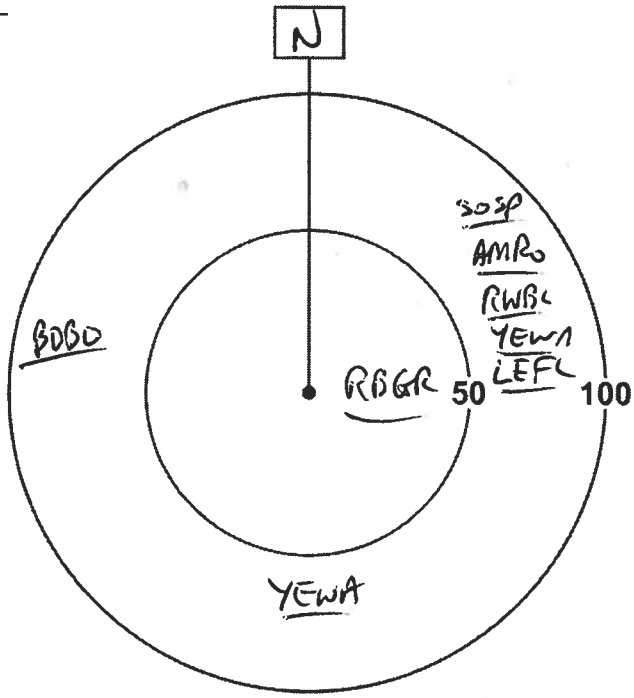
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0651

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| SOSP | | 1 | | | O |
| AMRO | | 1 | | | O |
| RWBL | | 1 | | | O |
| YEWA | | 2 | | | O |
| LEFL | | 1 | | | O |
| RBGR | 1 | | | | A |
| BOBO | | 1 | | | O |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

*Height of blade sweep will vary from project to project; Check with Project Manager
O – On ground; A – Below height of blade sweep; B – At height of blade sweep;
C – Above height of blade sweep; D – Well Above the height of blade sweep




**Station:** P6 / 201 (G4)

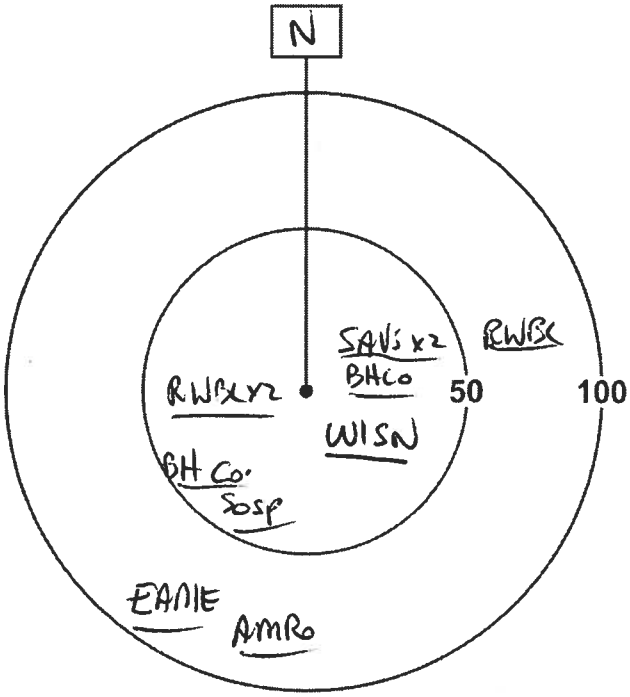
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0743

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| BARS | | | | 3 | A |
| WISN | 1 | | | | B |
| RWBL | 2 | 1 | | | O |
| SAVS | 2 | | | | O |
| BHCO | 2 | | | | O |
| EAME | | 1 | | | A ~~B~~ |
| AMRO | | 1 | | | A ~~B~~ |
| SOSP | 1 | | | | O |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

*Height of blade sweep will vary from project to project; Check with Project Manager
O – On ground; A – Below height of blade sweep; B – At height of blade sweep;
C – Above height of blade sweep; D – Well Above the height of blade sweep




Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel) Signature: _____ (Project Manager)



REV: May, 07 Form 020

**Station:** P18 / 199 (G11)
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____
**UTM:** _____
**Start Time:** 0904

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| NOFL | | | | 1 | A |
| KILL | | 1 | | | A |
| SOSP | | 1 | | | O |
| NOCA | | 1 | | | O |
| BOBO | | 1 | | | O |
| GRSP | | 1 | | | O |
| | | | | | |
| | | | | | |
| | | | | | |
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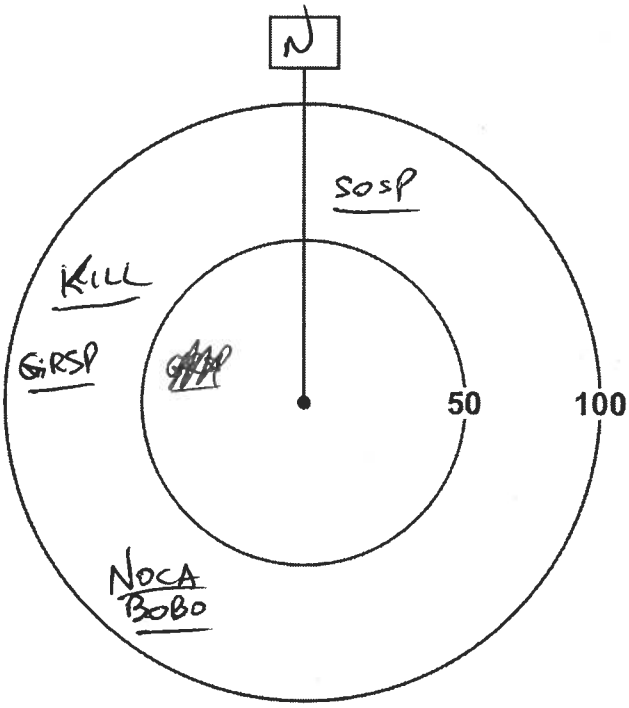
| | | | | | |

*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




**Station:** P17 / 198 (G11)
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____
**UTM:** _____
**Start Time:** 0950

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| EAME | 2 | | | | O |
| SAVS | 1 | 2 | | | O |
| EUST | | 1 | | | O |
| EAKI | | 1 | | | O |
| TRES | | | | 3 | A |
| | | | | | |
| | | | | | |
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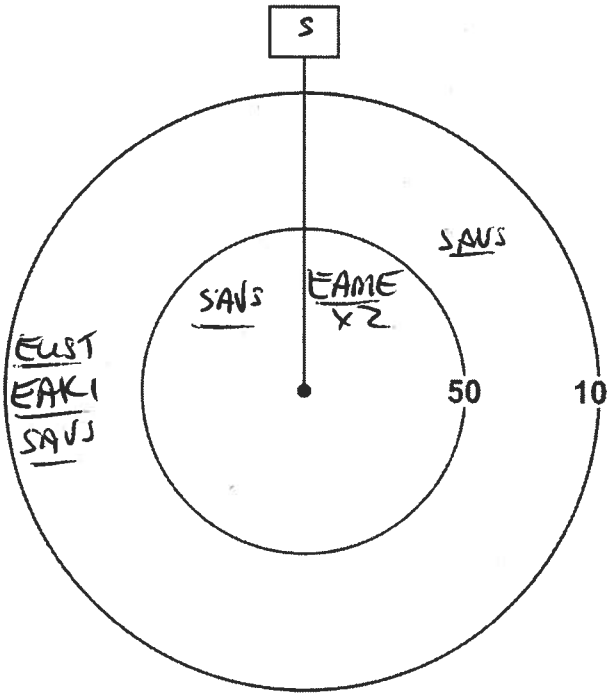
*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

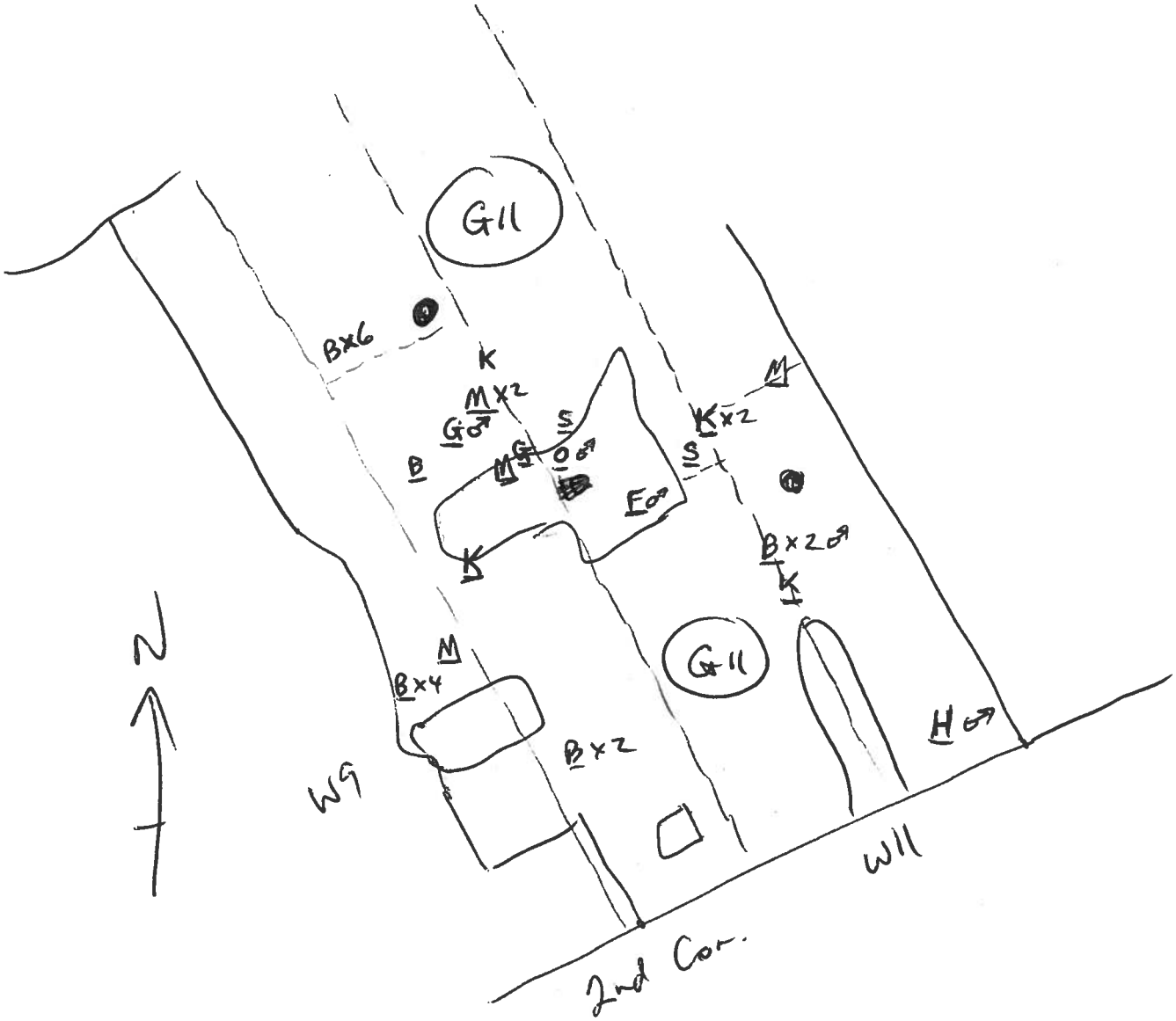



Quality Control: This form is complete (✓) & legible (✓).
Signature: _____ (Field Personnel) Signature: _____ (Project Manager)


REV: May, 07 Form 020

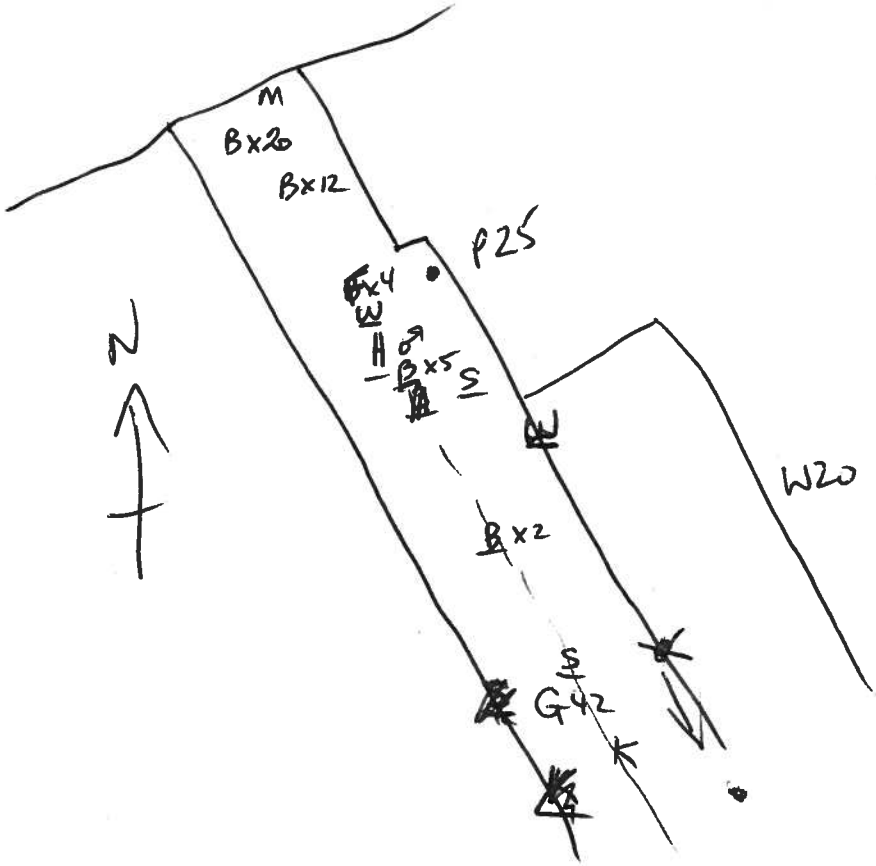
June 28, 2011

DAY 3



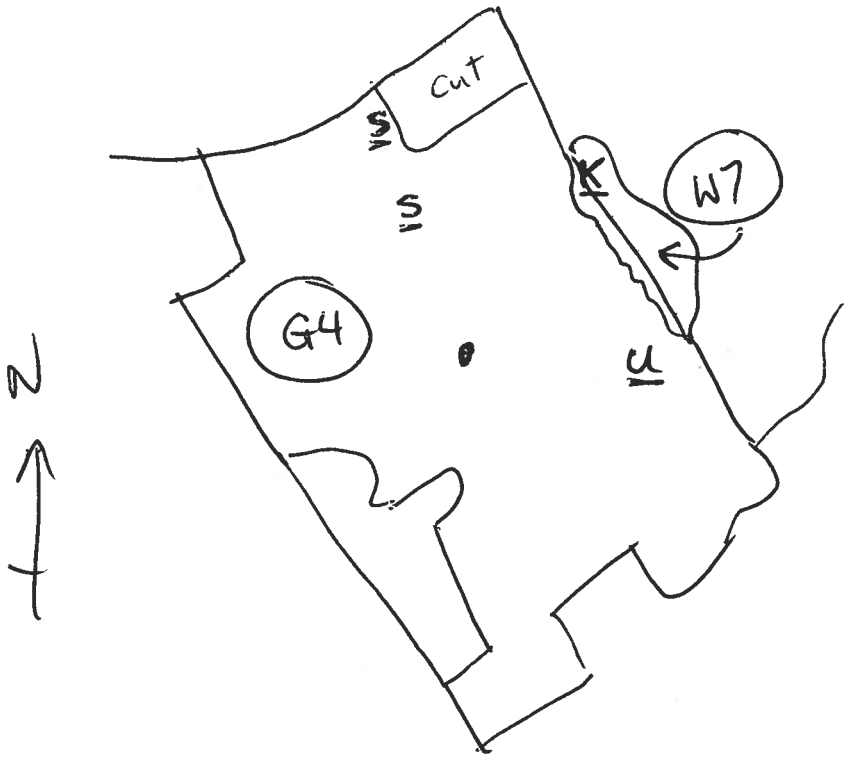

H - N. Harrier
B Bobolink
M E Meadowlark
F Field Sparrow
S Savannah sparrow
O B Oriole
G Grasshopper Sp.
K E Kingbird

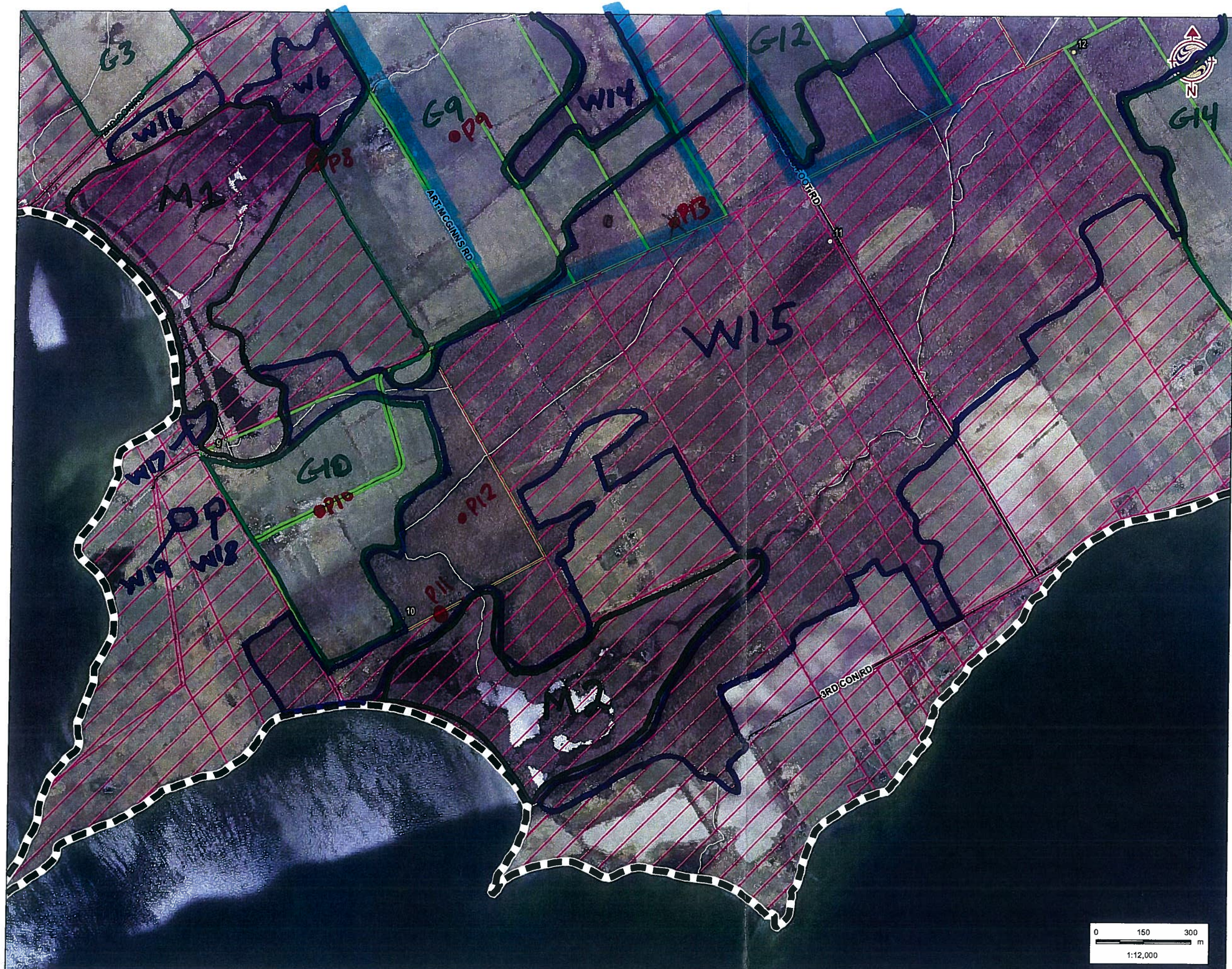
June 28, 2011 – DAY 3




B Bobolink
M E Meadowlark
W Willow Flycatch
S Sav Sparrow
K E Kingbird
H N Harrier
F Bullfrog (dugout)
U Upland Sandp

DAY 3 – June 28/11



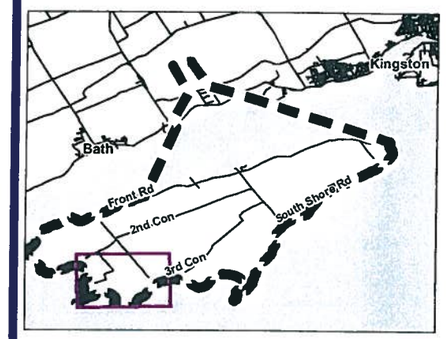



## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

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May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

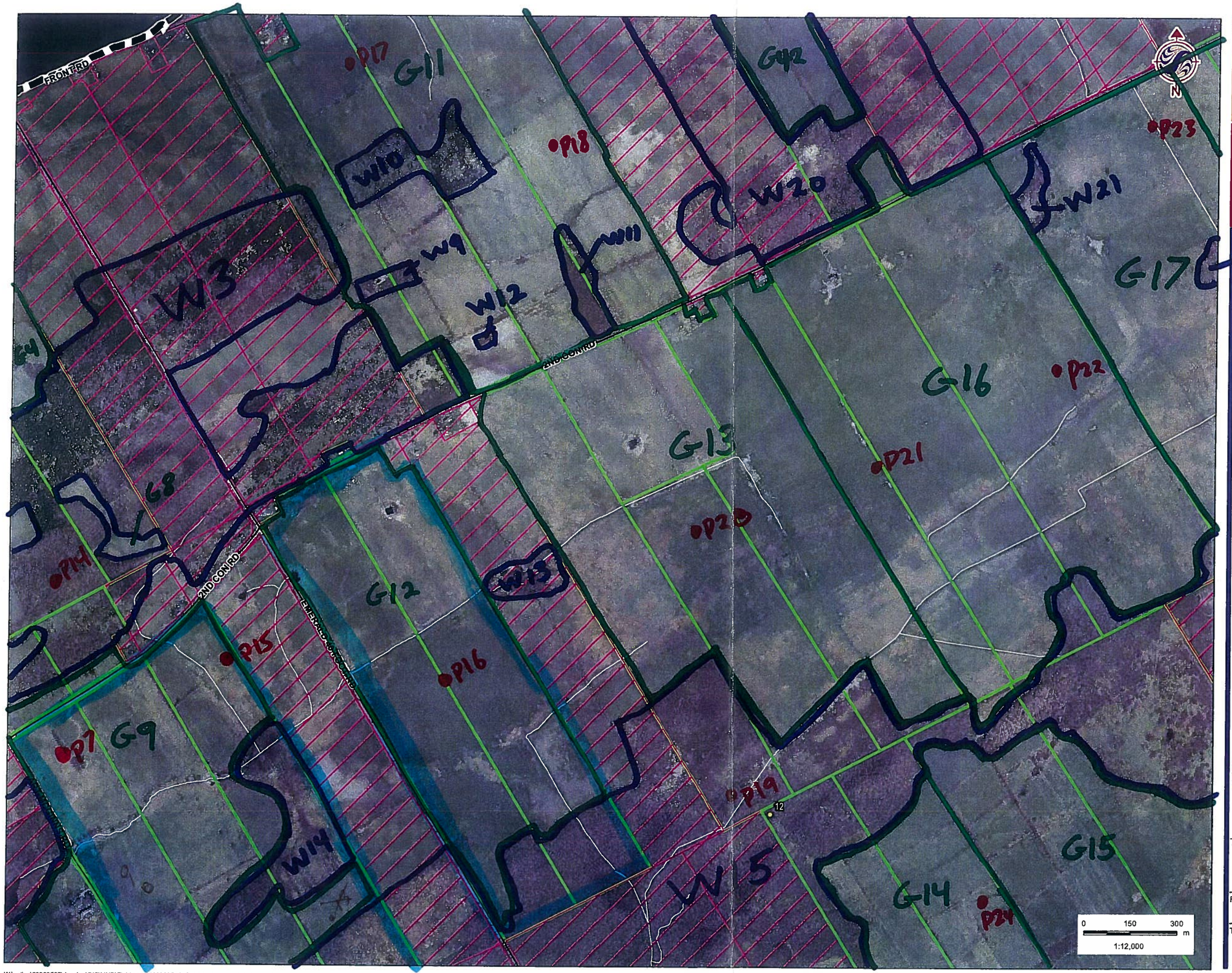
Figure No.

Tile 2

Title

**FIELD MAPBOOK**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd
Revised on: 2011-05-27 By: rharvey

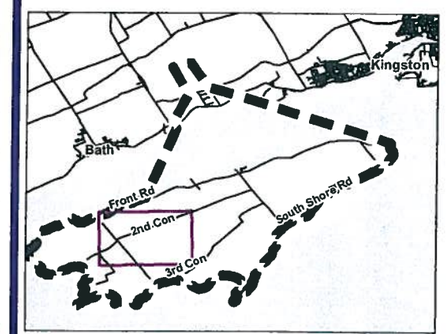



## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

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2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

Stantec

May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

Tile 3

Title

**FIELD MAPBOOK**

W:\active\160960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd
Revised on: 2011-05-27 By: dharvey

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Birding Point Counts Survey Observation Form

Project Number 160960595 Project Name: Amherst

Date June 29, 2011 Field Personnel: Alan Warmington

| Weather Conditions: | Temp: 17 | Wind: W ~~[illegible]~~ (2+) | Cloud: 50 | PPT: 0 | PPT in last 24 hrs: trace |
|---|---|---|---|---|---|

GPS #: T___

Station: P7/216 (G9)

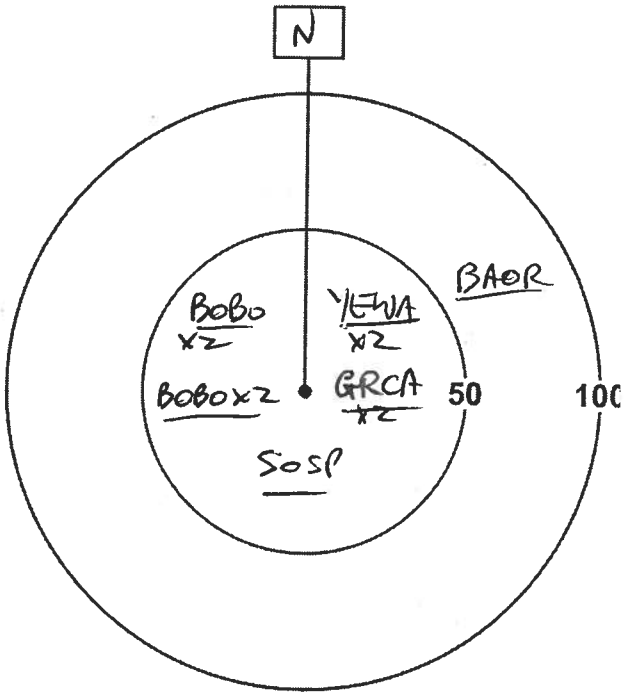
Habitat: ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

UTM: _____

Start Time: 0552

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| YEWA | 2 | | | | O |
| BoBo | 4 | | | | O |
| BAOR | | 1 | | | A |
| GRCA | 2 | | | | O |
| COGR | | | | 1 | A |
| SOSP | 1 | | | | O |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

*Height of blade sweep will vary from project to project; Check with Project Manager
O – On ground; A – Below height of blade sweep; B – At height of blade sweep;
C – Above height of blade sweep; D – Well Above the height of blade sweep




Quality Control: This form is complete (✓) & legible
Signature: AW (Field Personnel)
Signature: Katrina (Project Manager)

Page 1 of 3

REV: May, 07 Form 020

**Station:** P9 / 217 (G9)
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____
**UTM:** _____
**Start Time:** 0618

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| RWBL | | | | 1 | A |
| RWBL | 4 | 1 | | | O |
| EAME | 1 | | | | A |
| EAKI | 1 | | | | O |
| ~~BOBR~~ | | | | | |
| SAVS | 1 | 1 | | | O |
| BOBO | 1 | 1 | | | O |
| COGR | | | | 1 | A |
| | | | | | |
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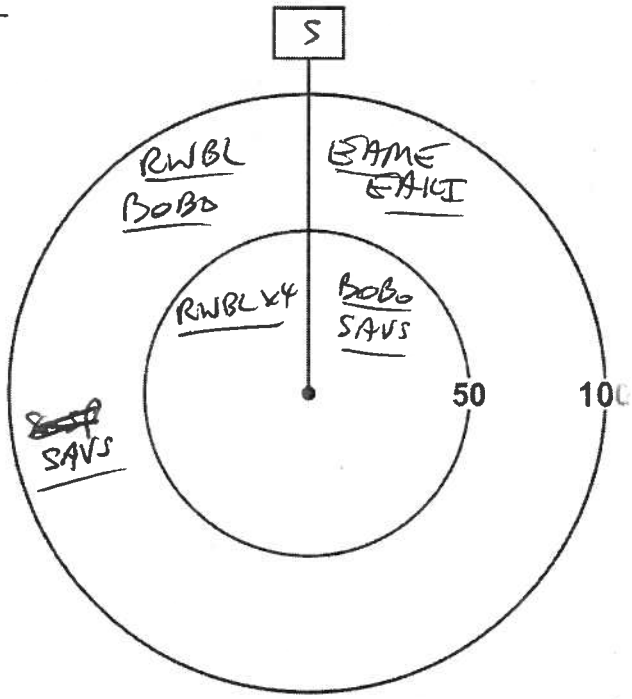


*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

**Station:** P13 / 218 (W15)
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____
**UTM:** _____
**Start Time:** 0650

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| COGR | | 5 | | | A |
| AMRO | 1 | | | | A |
| REVI | | 1 | | | A |
| RBGR | 1 | | | | A |
| BLJA | 1 | | | | A |
| | | | | | |
| | | | | | |
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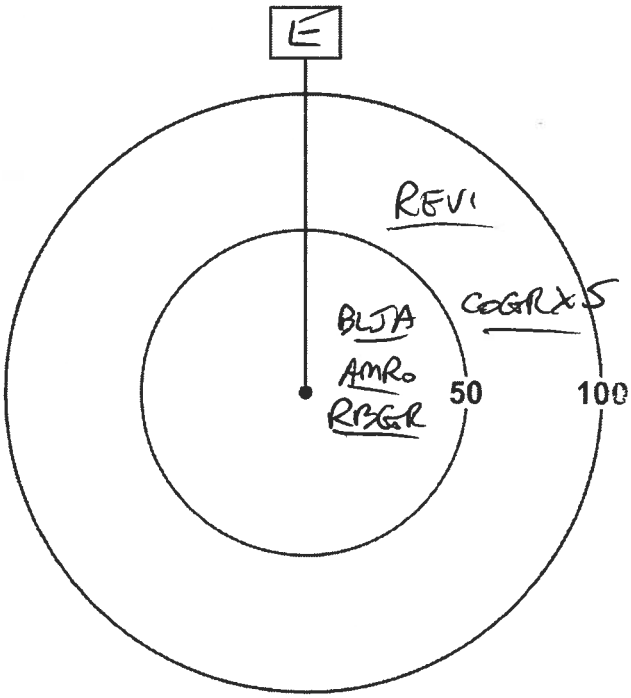



*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

Quality Control: This form is complete (✓) & legible (✓).
Signature: _____ (Field Personnel) Signature: _____ (Project Manager)


REV: May, 07 Form 020

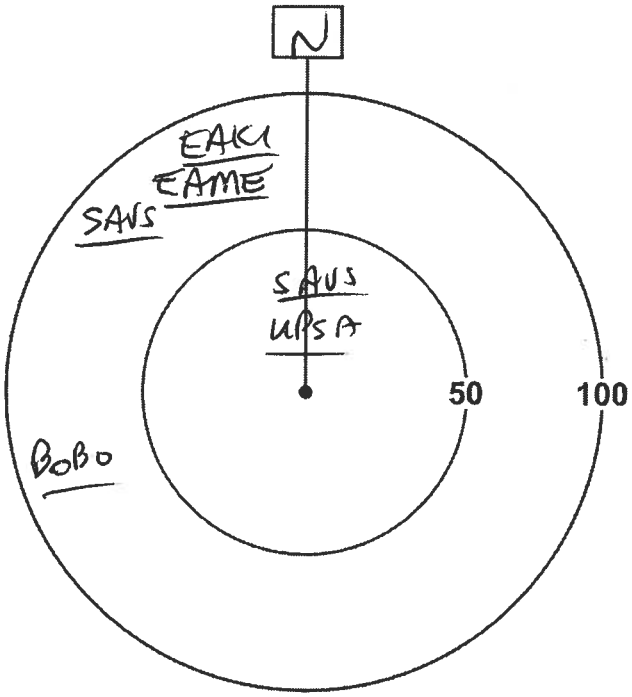
**Station:** P15 / 215 (G9)

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0752

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| TRES | | | | 2 | A |
| RWBL | | | | 1 | A |
| BOBO | | | | 1 | A |
| BOBO | | 1 | | | O |
| EAKI | | 1 | | | O |
| EAME | | 1 | | | O |
| AMRO | | | | 2 | A |
| GRHE | | | | 1 | B |
| SAVS | 1 | 1 | | | O |
| UPSA | 1 | | | | O |
| | | | | | |
| | | | | | |
| | | | | | |




*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

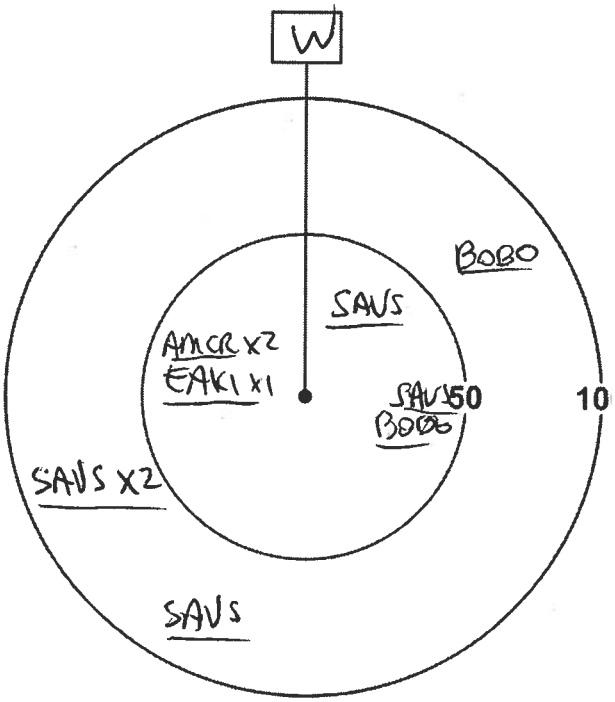
**Station:** P16 / 219 (G12)

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0848

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| AMCR | 2 | | | | O |
| EAKI | 1 | | | | O |
| SAVS | 2 | 3 | | | O |
| BOBO | 1 | 1 | | | O |
| TRES | | | | 3 | A |
| | | | | | |
| | | | | | |
| | | | | | |
| Grass now cut on West side | | | | | |
| of fence line (West of Point Count) | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |




*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel) AW

Signature: _____ (Project Manager)

Page 3 of 3

REV: May, 07 Form 020

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595

Project Name: Amherst

Date: June 29, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 17 | W (2+) | 50 | 0 | trace |

Feature No:: G9 Habitat Type: _____ Time Start: 0542 / 0742 Time End: 0642 / 0815

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard H | H | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren A | A | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | X | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † S P | P |
| T. Vulture | X | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. S | S |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin H | H | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird P | P | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † A | A |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. FY | FY |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † S P | P |
| Killdeer | | Ea. Kingbird † H A | A | Blue-wing. Wa. † | | Co. Grackle H | H |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ A | A | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. A | A | Baltimore Oriole † | S |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch P | P |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | X | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 1 of 4

Quality Control: This form is complete ☑ & legible ☑

Signature: AW (Field Personnel)

Signature: Katrina [illegible] (Project Manager)

REV: 2011-05-27 / FORM 031

Feature No.: W15 Habitat Type: Time Start: 0642 Time End: 0707

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin S | S | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † S | S |
| Red-tailed Hawk H | H | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | FY |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo S | S | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay H | H | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 2 of 4

Signature: AW (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathina Stadnyk (Project Manager)

REV: 2011-05-27 / FORM 031

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: June 29, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18 | W (2) | 50 | 0 | trace |

**Feature No::** W14 **Habitat Type:** _____ **Time Start:** 0718 **Time End:** 0742

***Record location of all significant species on site map.***

Two-spotted Skipper & (ex fresh)

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren H | H | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. CF | CF |
| N. Harrier †‡ H | H | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. S | S |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin H | H | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird S | S | Rose-br. Grosbeak † S | S |
| Red-tailed Hawk | | Willow Fly. † H | H | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. S | S | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | S | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | X | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 3 of 4

Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Kathryn St. [illegible] (Project Manager)

REV: 2011-05-27 / FORM 031

Feature No.: G12 Habitat Type: Time Start: 0825 Time End: 0913

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † P | P |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † PA | A |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | X | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | X | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 4 of 4

Signature: AW (Field Personnel)

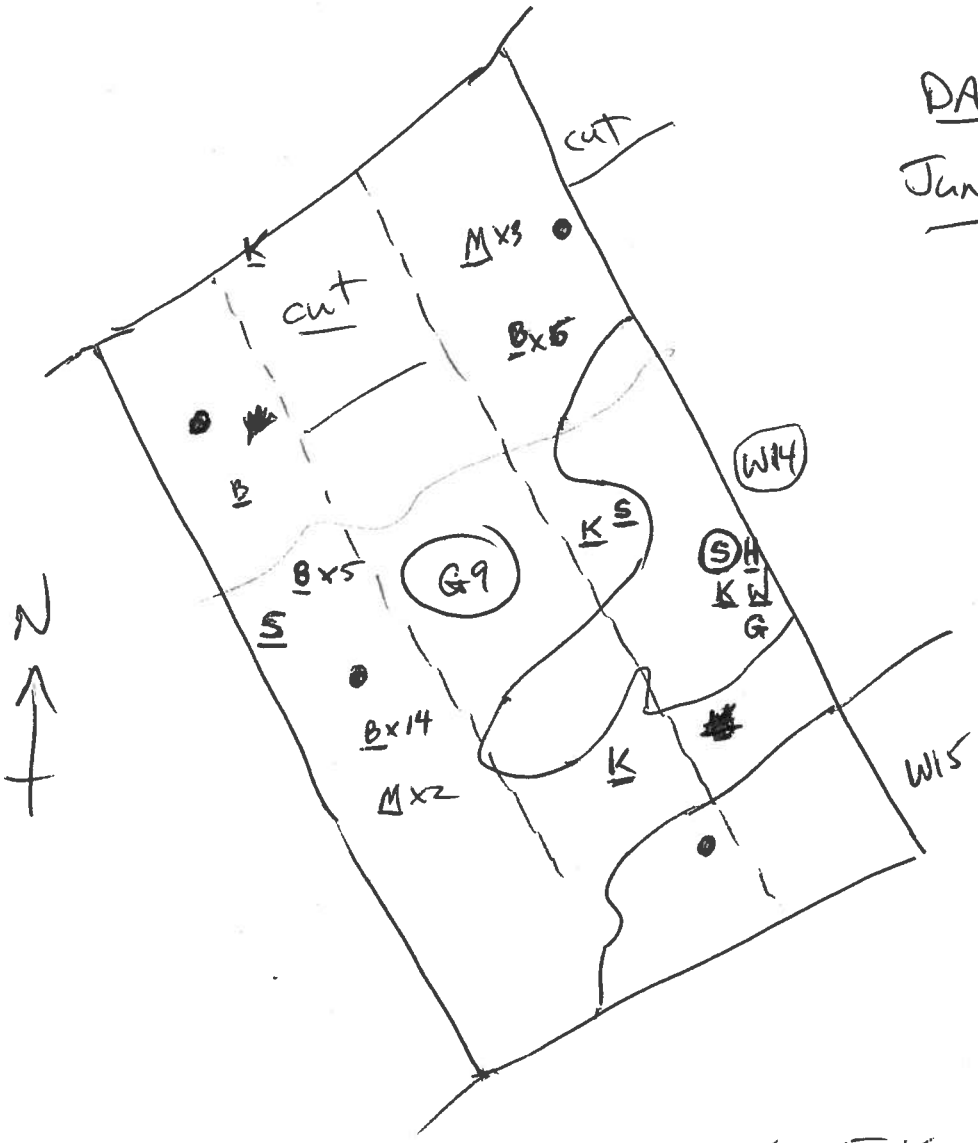
Quality Control: This form is complete ☑ & legible ☑.

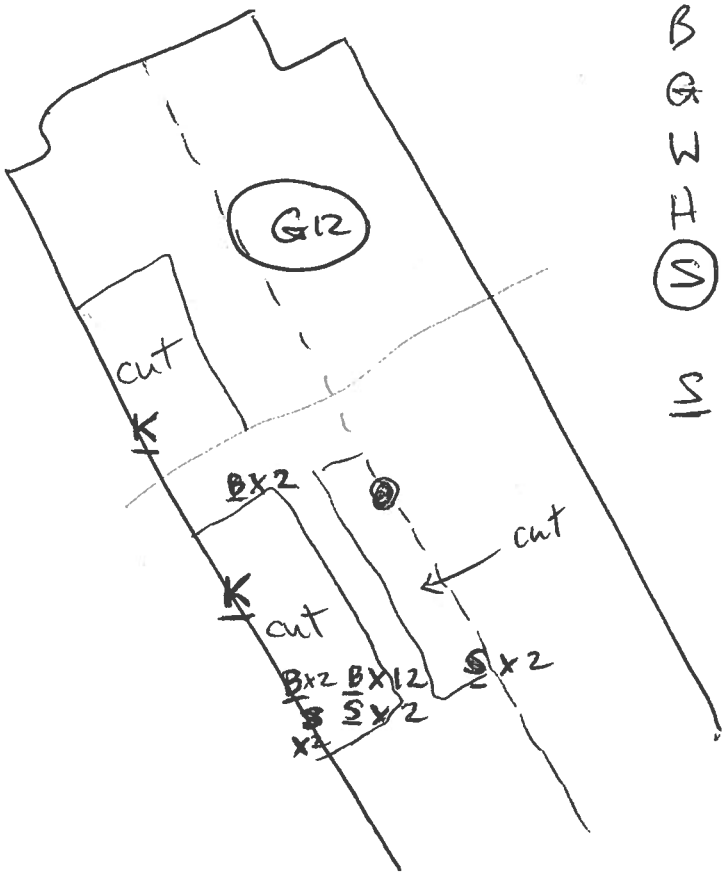
Signature: Kathrine St. Jean (Project Manager)

REV: 2011-05-27 / FORM 031

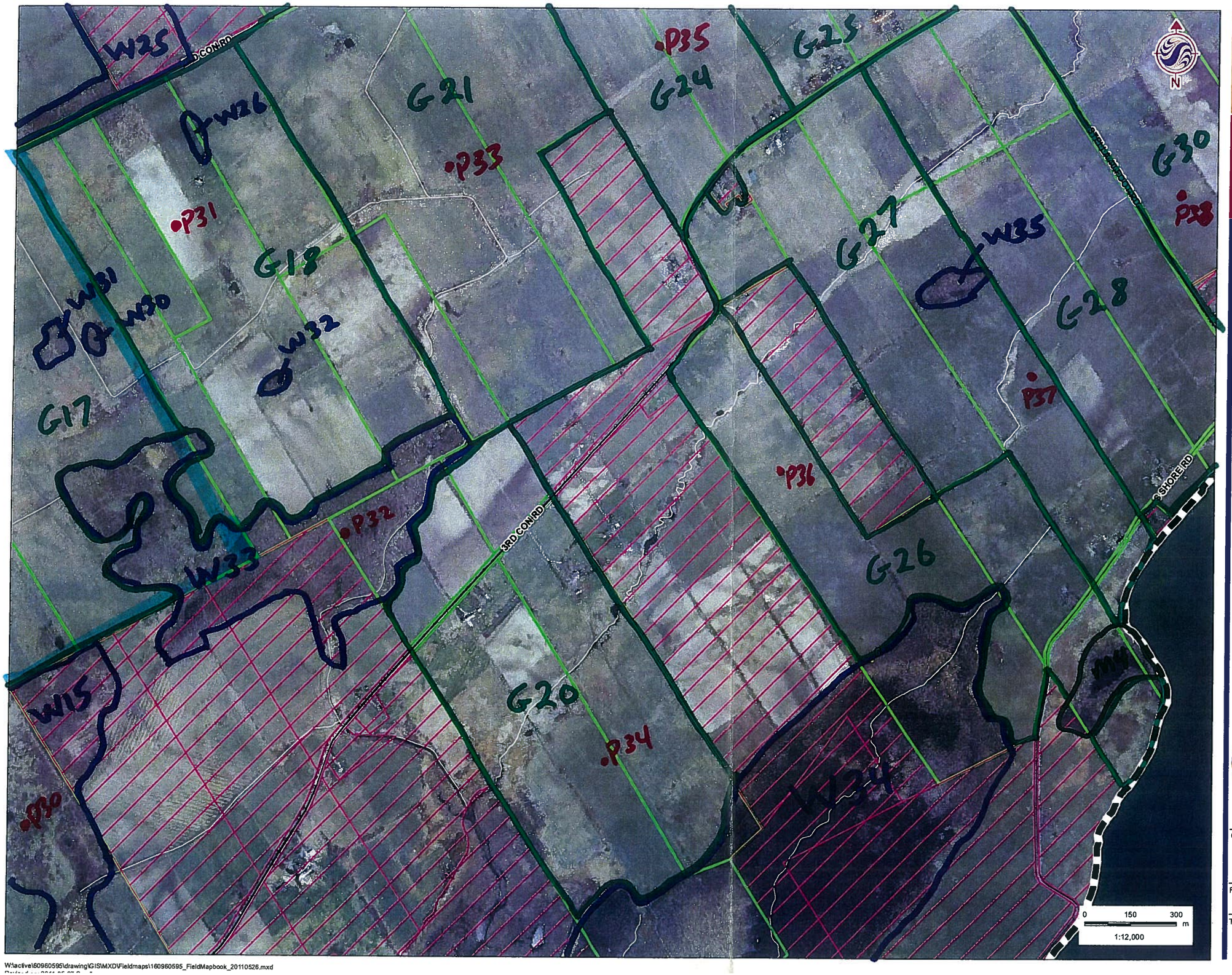
DAY 4

June 29, 2011




K - E Kingbird
B Bobolink
G Rose-b/ Grosbeak
W Willow Flyc.
H N. Harrier
(S) Two-spotted Skipper (wet sedge meadow)
S Savannah Sparrow

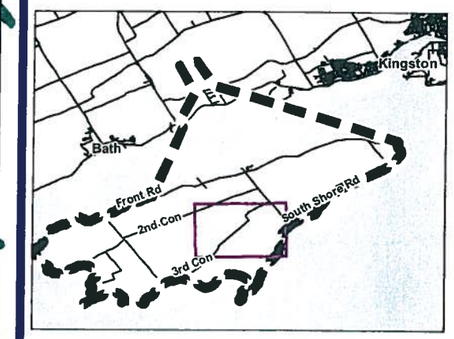



## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

Stantec

May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

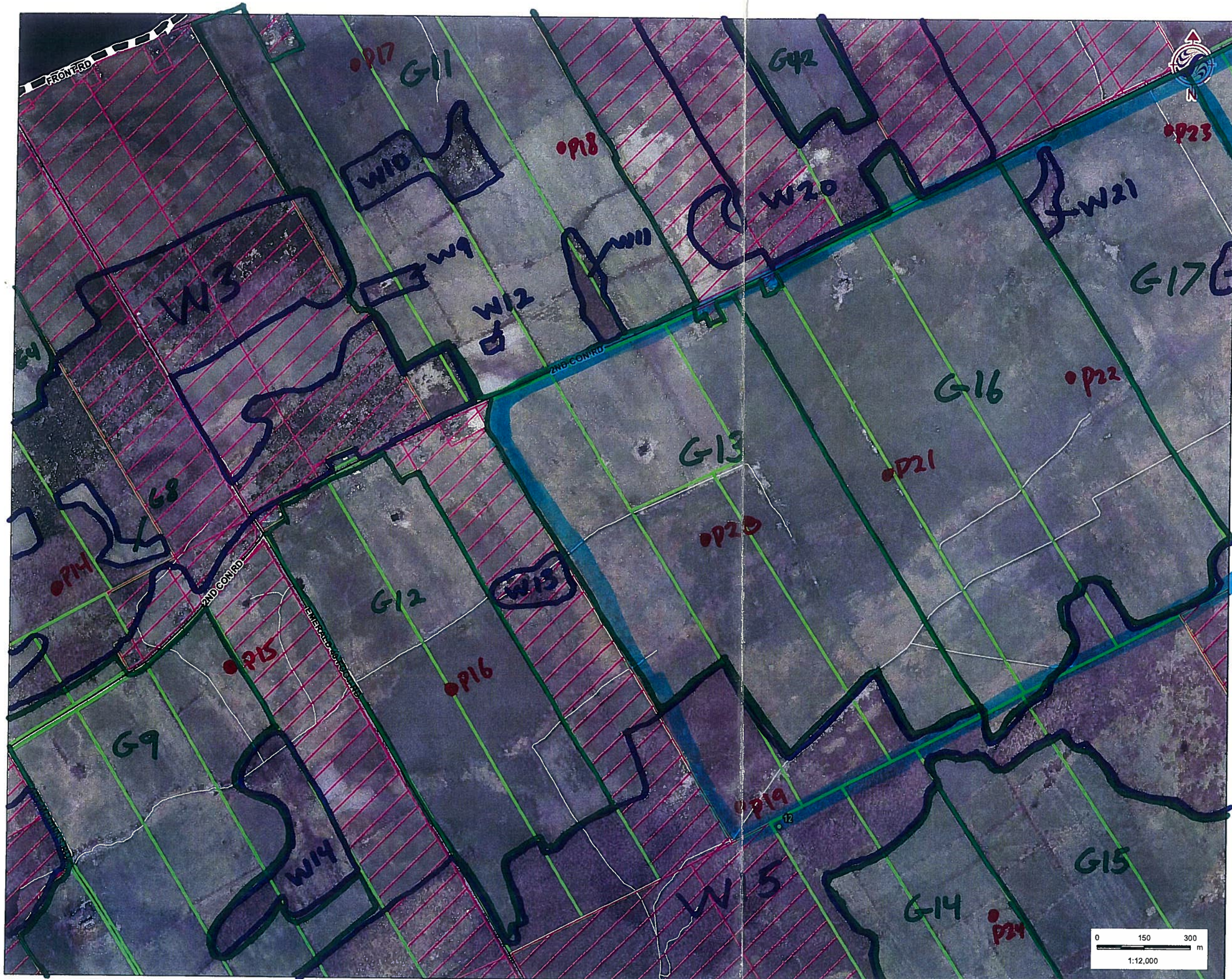
Figure No.

Tile 6

Title

**FIELD MAPBOOK**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd

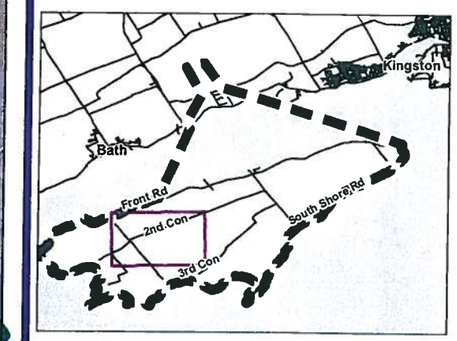



## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

Stantec

May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

Tile 3

Title

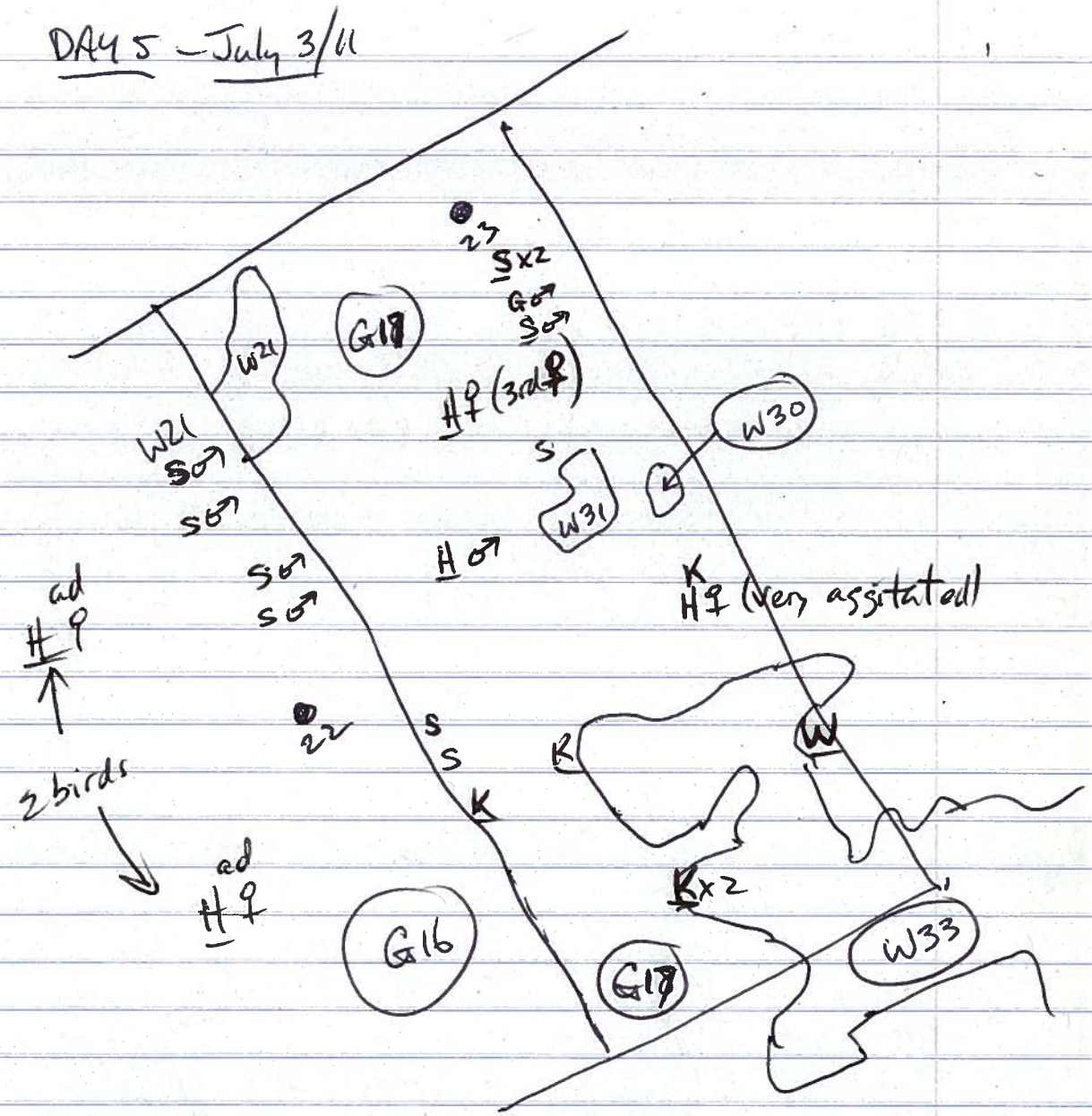
**FIELD MAPBOOK**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd
Revised on: 2011-05-27 By: dharvey

# DAY 5 – July 3/11

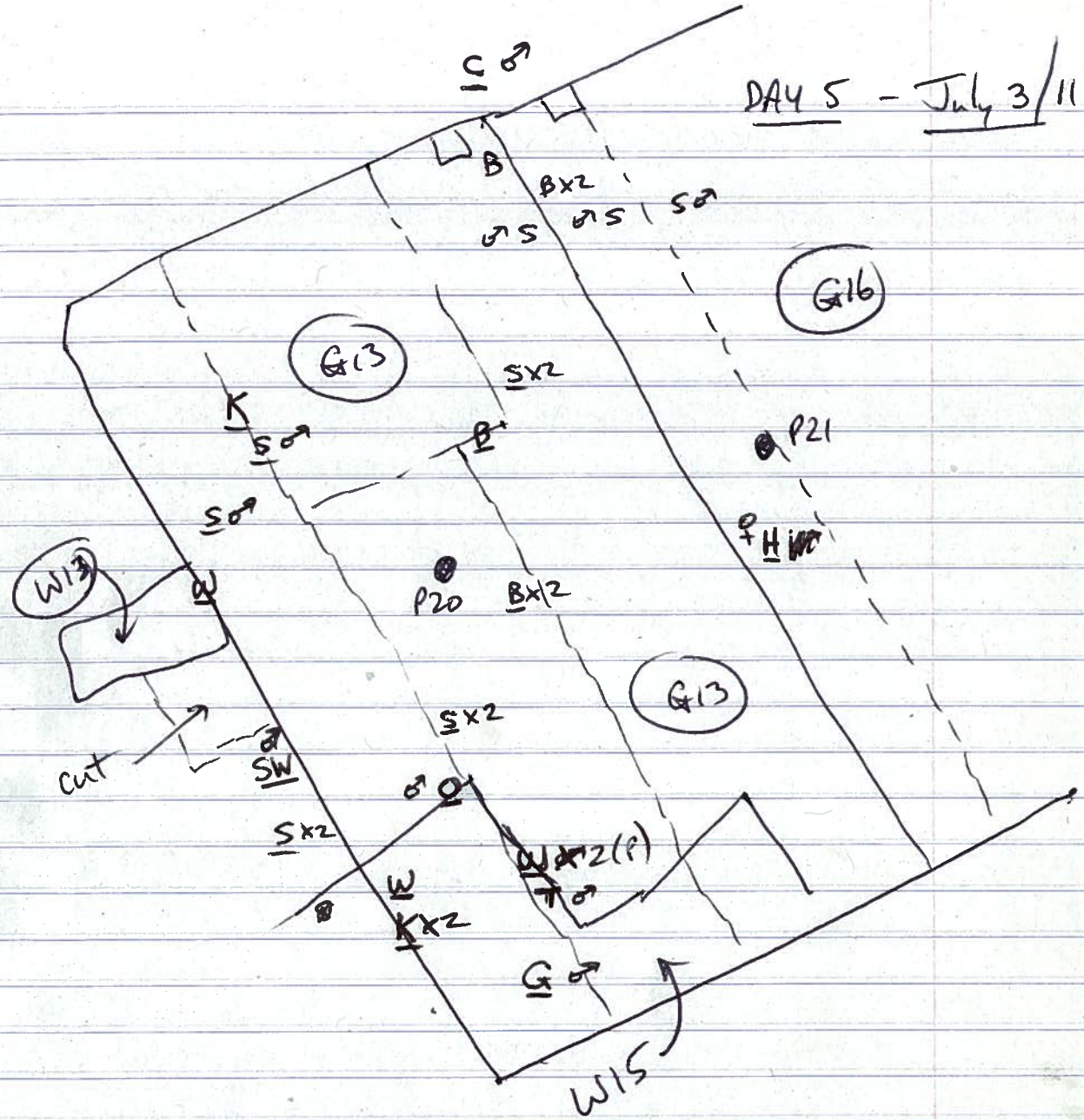
| | Count | Way ~~Habitat~~ | Habitat |
|---|---|---|---|
| 1 | | | G13 |
| 2 | | | G16 |
| 3 | P21 | 224 | G13 |
| 4 | | | W15 |
| 5 | P19 | 222 | |
| 6 | P20 | 221 | G13 |
| 7 | | | W13 |
| 8 | | | G17 |
| 9 | P23 | 226 | G17 |
| 10 | | | W31 |
| 11 | | | W30 |
| 12 | | | W33 |
| 13 | P22 | 223 | G16 |
| 14 | | | W21 |

DAY 5 – July 3/11




S Sav Sparrow
H N Harrier
K E Kingbird
W Willow Flycatcher
G Grasshopper Sparrow

DAY 5 - July 3/11




C - Black-b. Cuckoo (in W20)
H N Harrier
S Sav Sparrow
B Bobolink
O B Oriole
W Willow Flycatcher
T E Towhee
G Rose-br Grosbeak
K E Kingbird
SW Sedge Wre- (head-high rank grass)

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 3, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22 | 0 | 85 | 0 | lots of rain 0330 to 0430 am |

Feature No:: G13 Habitat Type: _____ Time Start: 0643 Time End: ~~[illegible]~~ 0735

0820 → 0905

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | X | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren S | S | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † P | P |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. S | S |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † P H | P |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | X |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | X |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | P |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow H | H | Pine Wa. ‡ | | | |
| Mourn. Dove S | S | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 1 of 9

Quality Control: This form is complete ☑ & legible ☑

Signature: AW (Field Personnel)

Signature: Kathine St. Jones (Project Manager)

REV: 2011-05-27 / FORM 031

Feature No.: W15 Habitat Type: Time Start: 0713 Time End: 0820

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | FY | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat A | A |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S | S | Eastern Towhee † H | H |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ S | S | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. H | H | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery S | S | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. H | H |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin S | S | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird S | S | Rose-br. Grosbeak † S | S |
| Red-tailed Hawk | X | Willow Fly. † S | S | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. S | S | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling H | H | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing P | P | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | FY |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | P |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | S | Baltimore Oriole † HS | S |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 2 of 9

Signature: AW (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine St. [illegible] (Project Manager)

REV: 2011-05-27 / FORM 031

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 3, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22 | W (1) | 20 | 0 | lots during 0330 to 0430 |

Feature No:: G17 Habitat Type: _____ Time Start: 1002 Time End: 1140

***Record location of all significant species on site map.*** Wandering Blds

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † S | FY |
| T. Vulture | | Downy Wo. P | P | Ea. Bluebird | | Grasshopper Sp. † S | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | S |
| N. Harrier †‡ HP | P | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. S | S |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † HA | A | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | S | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch P | P |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove H | H | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Katrina St James (Project Manager)

Feature No.: G16 Habitat Type: Time Start: 0610 Time End: 0642

0934 → 1002

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | X | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | CF |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | S |
| N. Harrier †‡ P H | P | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † H | H |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | A |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch P | P |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Signature: AW (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: (Project Manager)

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595

Project Name: Amherst

Date: July 3, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 23 | W (1) | 20 | 0 | lots of rain 0330 to 0430 |

**Feature No::** W33 **Habitat Type:** _____ **Time Start:** 1022 **Time End:** 1037

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S | S | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin S | S | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk A | A | Willow Fly. † H | H | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling P | P | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing H | H | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † HP | P | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | S | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo S | S | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow P | P | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 5 of 9

Quality Control: This form is complete ☐ & legible ☐.

Signature: AW (Field Personnel)

Signature: Katrina St James (Project Manager)

REV: 2011-05-27 / FORM 031

Feature No.: W30 Habitat Type: Time Start: 1050 Time End: 1056

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. P | P | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † S | S | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. S | S | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. A | A | Baltimore Oriole † | |
| Am. Woodcock H | H | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H | H |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Signature: AW (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katrina [illegible] (Project Manager)

REV: 2011-05-27 / FORM 031

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595

Project Name: Amherst

Date: July 3, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 25 | W (1) | 20 | 0 | lots of rain 0330 to 0430 |

**Feature No::** W31 **Habitat Type:** _____ **Time Start:** 1056 **Time End:** 1105

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S | S | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. A | A |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † A | A |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo S | S | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch P | P |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 7 of 9

Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Kathrin Stelzer (Project Manager)

REV: 2011-05-27 / FORM 031

Feature No.: W21 Habitat Type: _____ Time Start: 0918 Time End: 0934

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. A S | A |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † H | H | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. P S | P | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling A | A | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | FY |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo S | S | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H | H |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Signature: _____ (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: _____ (Project Manager)

REV: 2011-05-27 / FORM 031

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 3, 2011 Field Personnel: Alan Warnington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22 | W (1) | 50 | 0 | lots of rain 0330 to 0430 a.m. |

Feature No:: W13 Habitat Type: _____ Time Start: 0830 Time End: 0840

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. S | S |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk A | A | Willow Fly. † S | S | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. P | P | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo S | S | Yellow Wa. S | S | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 9 of 9

Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Katrina Stan (Project Manager)

REV: 2011-05-27 / FORM 031

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Birding Point Counts Survey Observation Form

Project Number 160960595 Project Name: Amherst

Date July 3, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 22 | 0 | 100 | 0 | lots of rain 0330 to 0430 am |

✓

GPS #: T___

* **Station:** P21 / 224 (G13)

**Habitat:** ☐Forest ☐Swamp Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0628

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| TRES | | | | 2 | A |
| BARS | | | | 4 ~~2~~ 3 | A |
| BoBo | | 1 | | | O |
| SAVS | 1 | 2 | | | O |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
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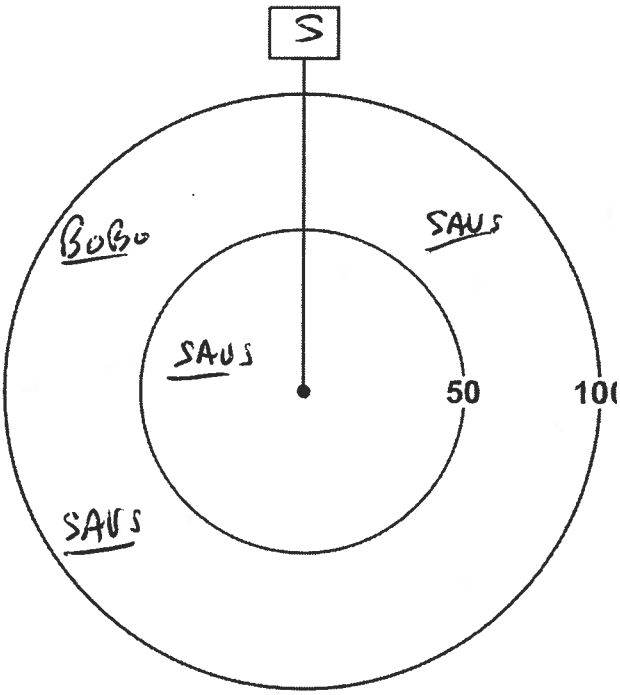
| | | | | | |
| | | | | | |

*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




* Had to shift 400 m N due to massive concentration of cows at normal site (Did not want to create a stampede).

Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel) AW

Signature: _____ (Project Manager)



REV: May, 07 Form 020

**Station:** P19 / 222 (W15)

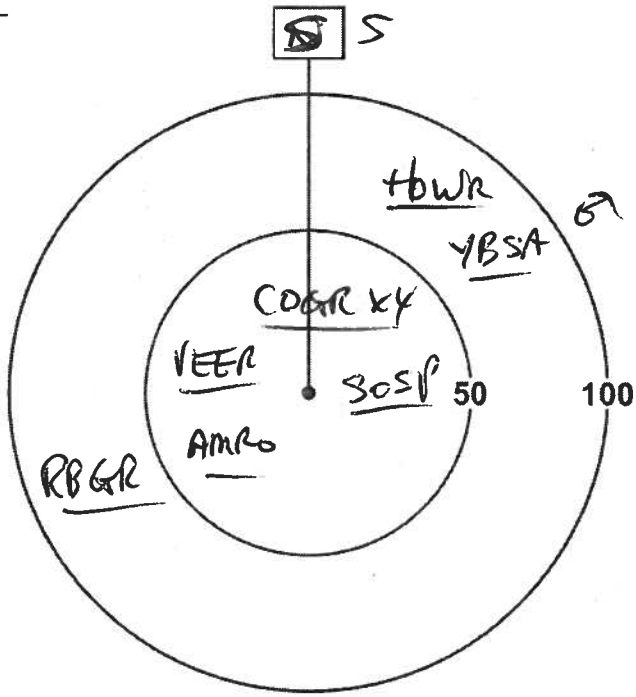
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0750

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| YBSA | | 1 | | | A |
| VEER | 1 | | | | O |
| HOWR | | 1 | | | O |
| SOSP | 1 | | | | O |
| AMRO | 1 | | | | A |
| COGR | 4 | | | | A |
| RBGR | | 1 | | | A |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




**Station:** P20 / 221 (G18)

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0655

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| COGR | | | | 1 | A |
| SOSP | | 1 | | | O |
| SAVS | 2 | 1 | | | O |
| BARS | | | | 4 | A |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
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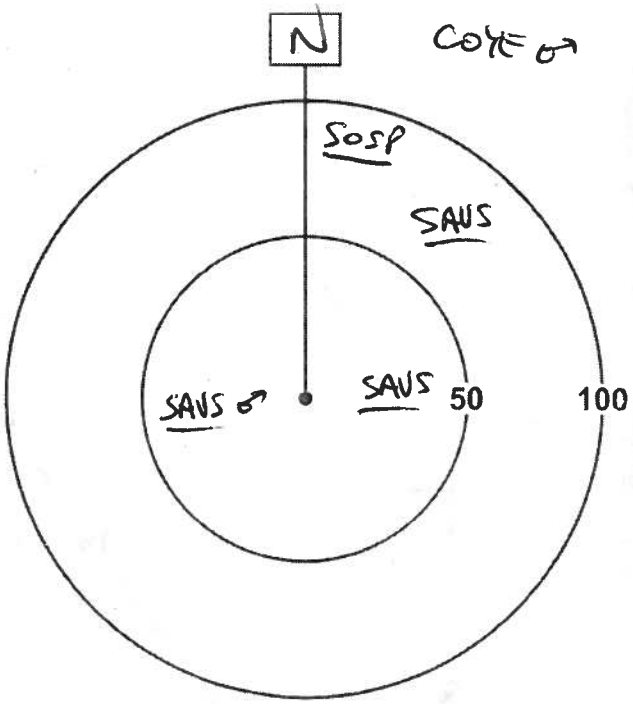
| | | | | | |
| | | | | | |
| | | | | | |

*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel) Signature: _____ (Project Manager)



REV: May, 07 Form 020

July 3/11

**Station:** P23 / 226 (G17)
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____
**UTM:** _____
**Start Time:** 1118

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| COYE | | 1 | | | O |
| SOSP | 1 | | | | O |
| YEWA | 1 | | | | O |
| SAVS | 1 | 1 | | | O |
| | | | | | |
| | | | | | |
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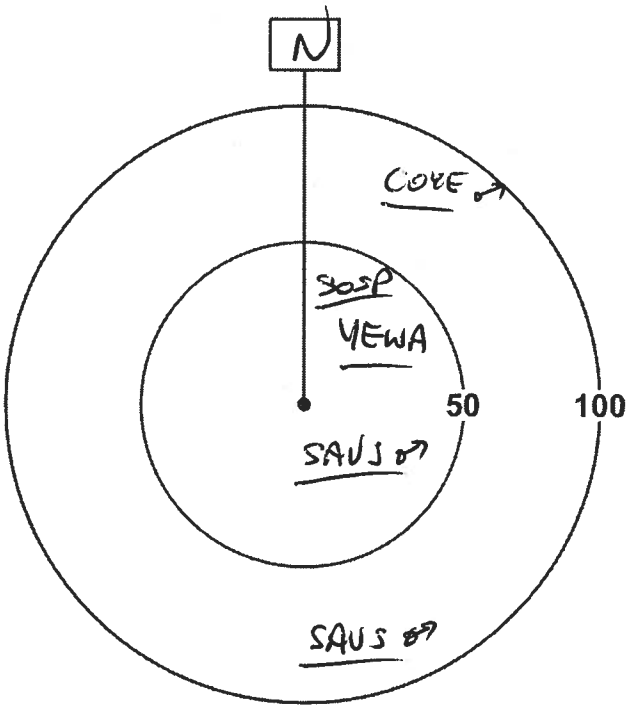
| | | | | | |

*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




**Station:** P22 / 223 (G16)
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____
**UTM:** _____
**Start Time:** 0943

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| AMGO | | | | 2 | A |
| SAVS | 2 | 5 | | | O |
| BOBO | | 2 | | | A |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
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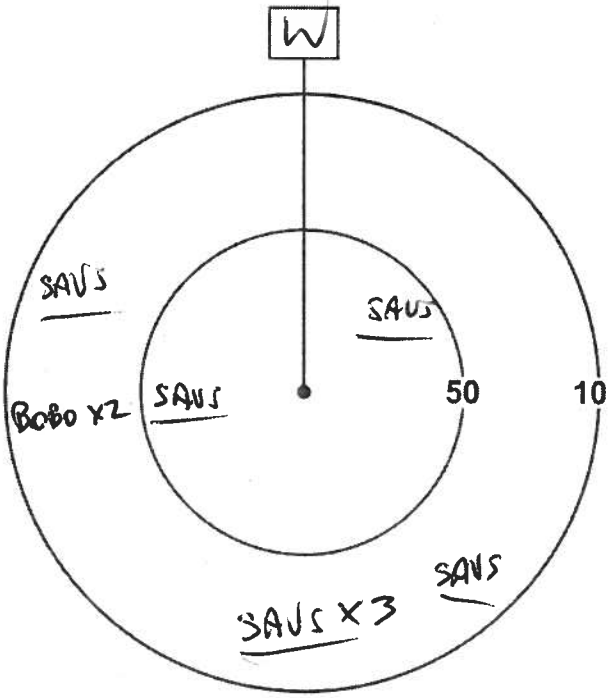
| | | | | | |
| | | | | | |

*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




Quality Control: This form is complete (✓) & legible (✓).
Signature: _____ (Field Personnel) Signature: _____ (Project Manager)

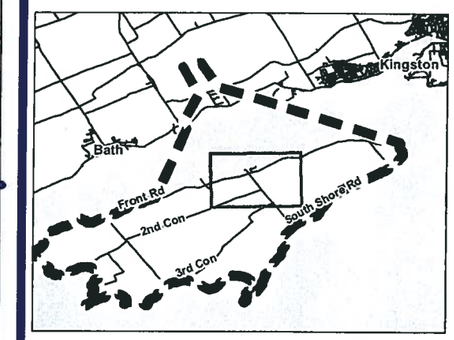

REV: May, 07 Form 020

## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

Stantec

May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

Tile 5

Title

**FIELD MAPBOOK**

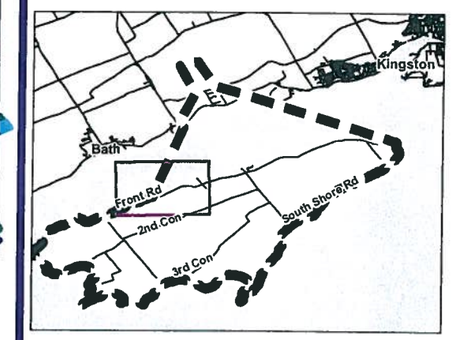
W:\active\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd

## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

Stantec

May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

Tile 4

Title

**FIELD MAPBOOK**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd
Revised on: 2011-05-27 By: dharvey

# DAY 6

| | Point | Way | Habitat |
|---|---|---|---|
| 2 | P42 | 229 | G23 |
| 6 | P40 | 231 | W24 |
| 3 USE ~~[illegible]~~ N/S SIDE ROAD | | | W29 |
| 4 | | | W28 |
| 1 | P41 | 228 | G22 |
| → 5 | P39 | 297 | W27, G22 |
| | | | W25 |
| 7 | P27 | 230 | G19 |

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 4, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 15 | NW (1) | 50 | 0 | 0 |

0748 → 0838

Feature No:: G22 Habitat Type: _____ Time Start: 0555 ~~Time End:~~ → 0640

***Record location of all significant species on site map.*** * Common Loon – 2 adults flying overhead @ "B" height, calling (flying W).

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † H | H | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| * Co. Loon ‡ | X | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † SP | P |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | N | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † H | H | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † H | H | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. H | H |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † P | P | Blue-wing. Wa. † | | Co. Grackle H | H |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | CF |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | S | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | X | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H | H |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove S | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 1 of 8

Quality Control: This form is complete ☑ & legible ☑

Signature: AW (Field Personnel)

Signature: Katrina [illegible] (Project Manager)

REV: 2011-05-27 / FORM 031

**Feature No.:** G23 **Habitat Type:** _____ **Time Start:** 0640 0845 **Time End:** 0715 0855

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † S | FY |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | FY |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | CF | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † H | H |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. H | H |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † S | FY |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | X |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | S | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch P | P |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species ... | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☑ & legible ☑

**Signature:** AW (Field Personnel)

**Signature:** Kathrine Stephens (Project Manager)

REV: 2011-05-27 / FORM 031

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 4, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18 | W (1) | 40 | 0 | |

Feature No:: W29 Habitat Type: _____ Time Start: 0715 Time End: 0728

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S A | A |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin A | A | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | S | Baltimore Oriole † S | S |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove S | S | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☑ & legible ☑.

Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)

Feature No.: W28 Habitat Type: _____ Time Start: 0728 Time End: 0742

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay P | P | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

~~App Biol~~



Signature: AW
(Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.
Signature: Katherine St Jones
(Project Manager)

REV: 2011-05-27 / FORM 031

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 4, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20 | NW (1) | 50 | 0 | 0 |

**Feature No::** W27 **Habitat Type:** _____ **Time Start:** 0812 **Time End:** 0835

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. A S | A |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin H | FY | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird P S | P | Rose-br. Grosbeak † S | S |
| Red-tailed Hawk | | Willow Fly. † S | S | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing H | H | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle H | H |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. P S | FY | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo S | S | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch P | P |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☐ & legible ☐

Signature: AW (Field Personnel)

Signature: Kathryn St James (Project Manager)

Feature No.: W24 Habitat Type: Time Start: 0855 Time End: 0914

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | X | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. S | S | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin P | P | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird S | S | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. S | S | Br. Thrasher † S | T | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling A | FY | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † H | H |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle P | P |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. P | P |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | S | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo S | S | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow H | H | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | X | Pine Wa. ‡ | | | |
| Mourn. Dove S | S | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: (Project Manager)

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 4, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 23 | W (1) | 20 | 0 | 0 |

Feature No:: W25 Habitat Type: _____ Time Start: 0930 → Time End: 0940

1005 → 1025

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin H | H | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird S | S | Rose-br. Grosbeak † S | S |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † H | H | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing H | H | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo S | S | Yellow Wa. A S | A | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo S | S | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow A | FY | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H | H |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | FY | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: [signature] (Project Manager)

Feature No.: G19 Habitat Type: Time Start: 0940 Time End: 1018

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | X | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † S | S |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ H | H | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † A | A |
| Virginia Rail | | Ea. Phoebe | | European Starling | FY | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † S | S |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ H | H | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S S | S | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H | H |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | X | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Common Buckeye! 1 ex fr ♂
Gray Comma 1 ex fr ♂ (dark form)

Pg. 8 of 8

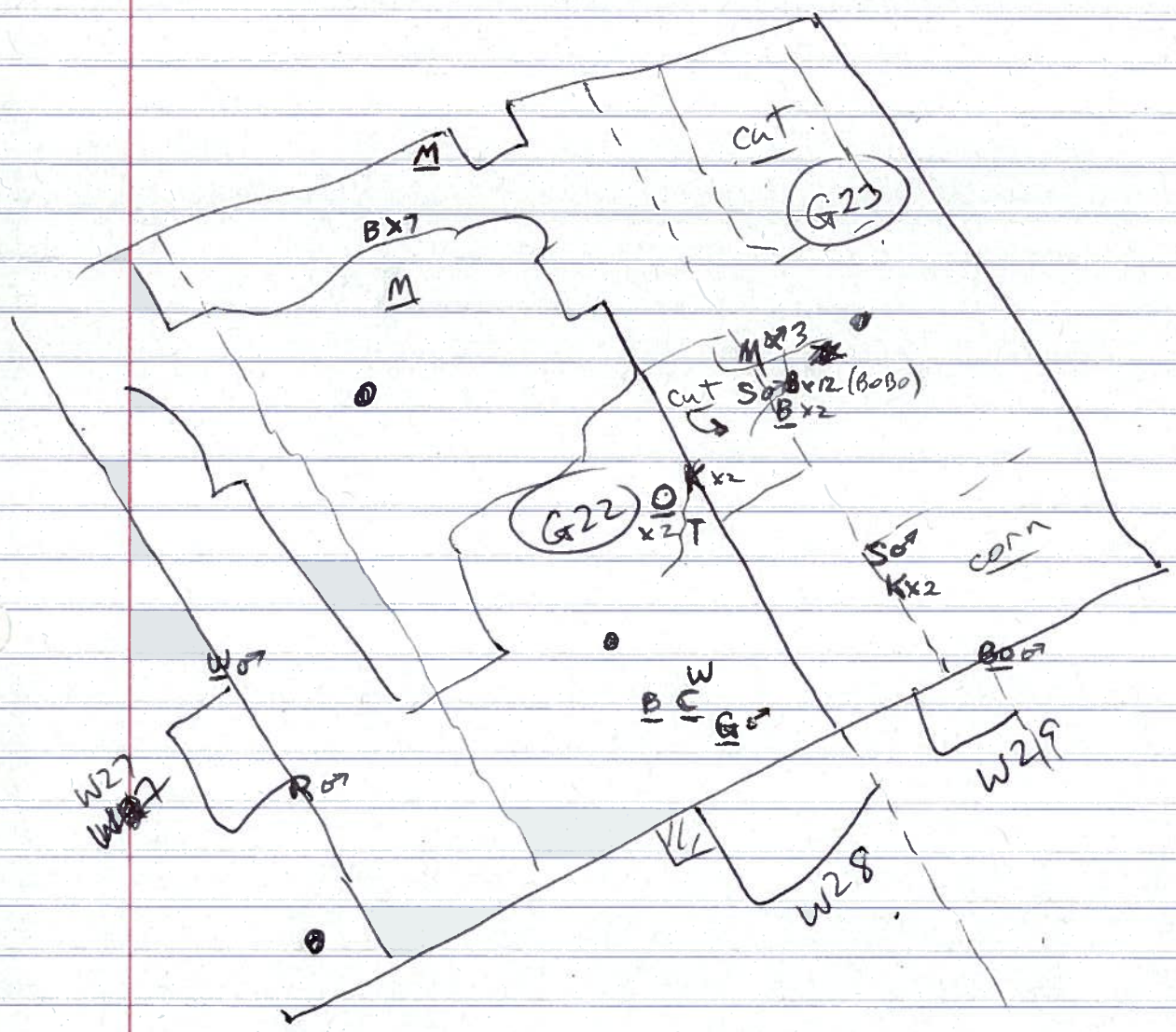
Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

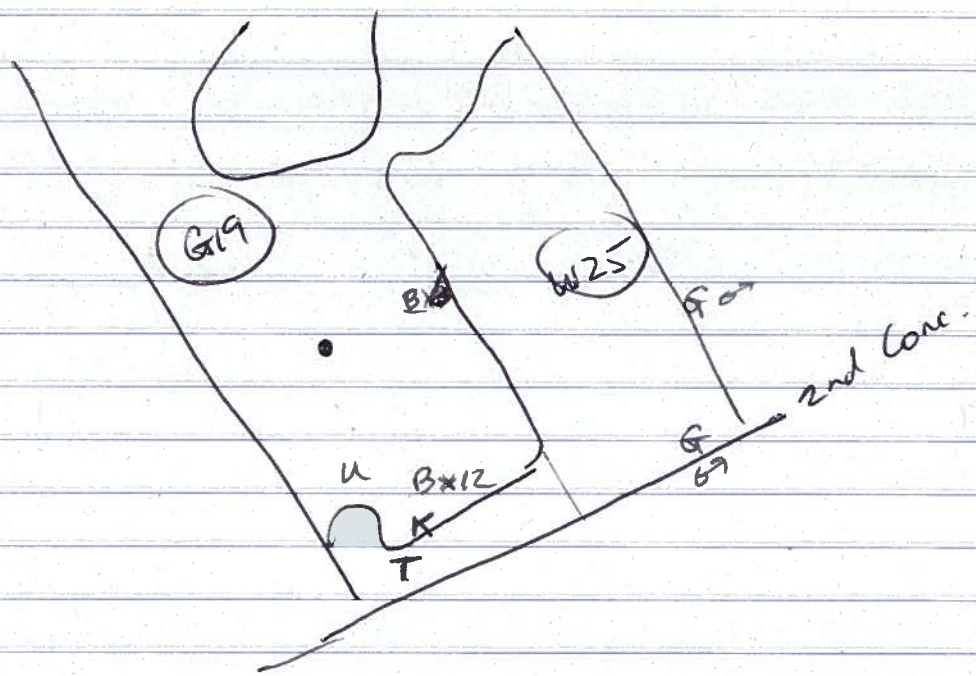
REV: 2011-05-27 / FORM 031

# DAY 6 – July 4, 2011




| | | | |
|---|---|---|---|
| G | Grasshopper Sparrow | BO | Baltimore Oriole |
| C | BB Cuckoo | R | Rose-br Grosbeak |
| W | Willow Flyc. | | |
| B | Bobolink | | |
| O | Orchard Oriole (2 ♂ types = 2 territories?) | | |
| T | Brown Thrasher | | |
| K | E Kingbird | | |
| S | Saw Sparrow | | |
| M | E Meadowlark | | |

DAY 6 – July 4, 2011




T Brown Thrasher
K E Kingbird
U Upland Sandp
B Bobolink
G Rose-br Grosbeak

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Birding Point Counts Survey Observation Form

Project Number 160960595 Project Name: Amherst

Date July 4, 2011 Field Personnel: Alan Worrington

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 15 | NW (1) | 50 | 0 | 0 |

GPS #: T___

Station: P41/228 (G22)

Habitat: ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

UTM: _____

Start Time: 0615

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| COGR | | | | 3 | A |
| AMGO | | | | 1 | A |
| EAKI | 1 | 1 | | | O |
| BLJA | | 1 | | | A |
| GRSP | | 2 | | | O |
| SOSP | 1 | | | | O |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
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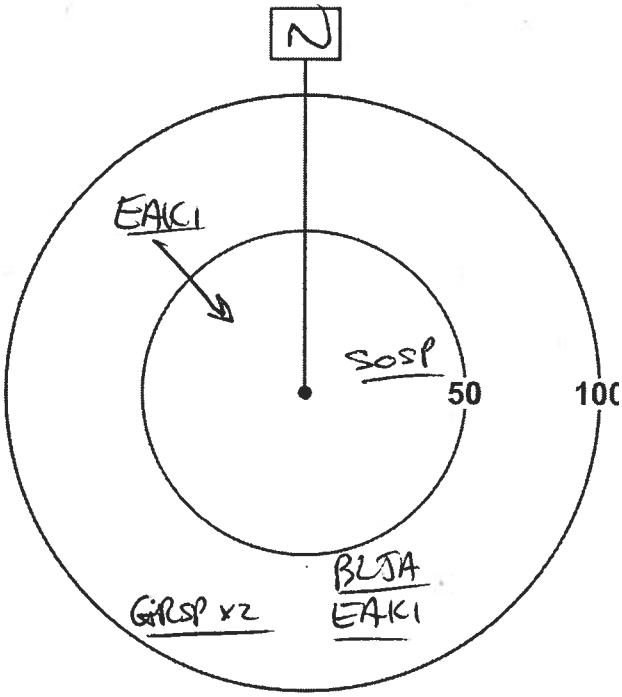
| | | | | | |




*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel) Signature: _____ (Project Manager)

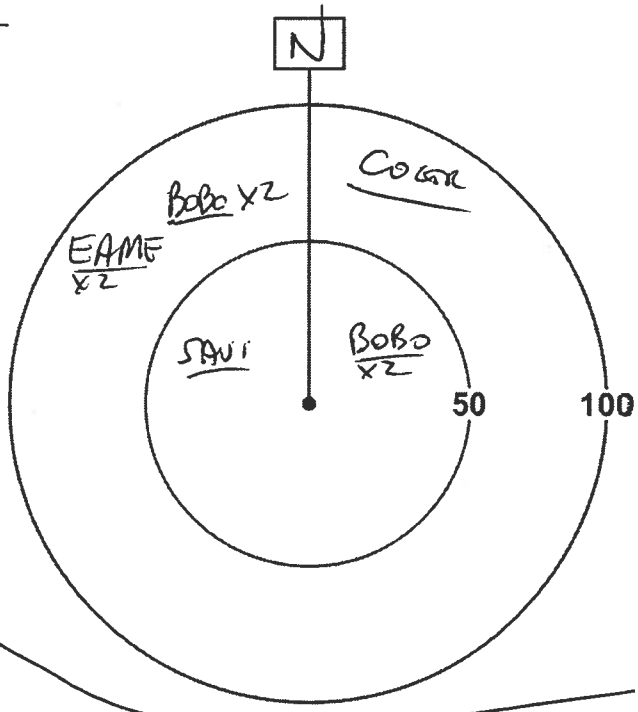


REV: May, 07 Form 020

DAY 6 – July 4/11

**Station:** P42/229 (G23)
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____
**UTM:** _____
**Start Time:** 0653

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| BOBO | | | | 2 | A |
| COGR | | 2 | | | A |
| AMGO | | | | 2 | A |
| BOBO | 2 | 2 | | | O |
| EAME | | 2 | | | O |
| SAVS | 1 | | | | O |
| RWBL | | | | 1 | A |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |




*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

* N Harrier – pair dive-bombing me (nest very close!) (tall rank grass)

**Station:** P39/297 (NWR) (G22)
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____
**UTM:** _____
**Start Time:** ~~0656~~ 0756

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| * NOHA | 2 | | | | A |
| RWBL | | 2 | | | O |
| COGR | | | | 1 | A |
| | | | | | |
| | | | | | |
| | | | | | |
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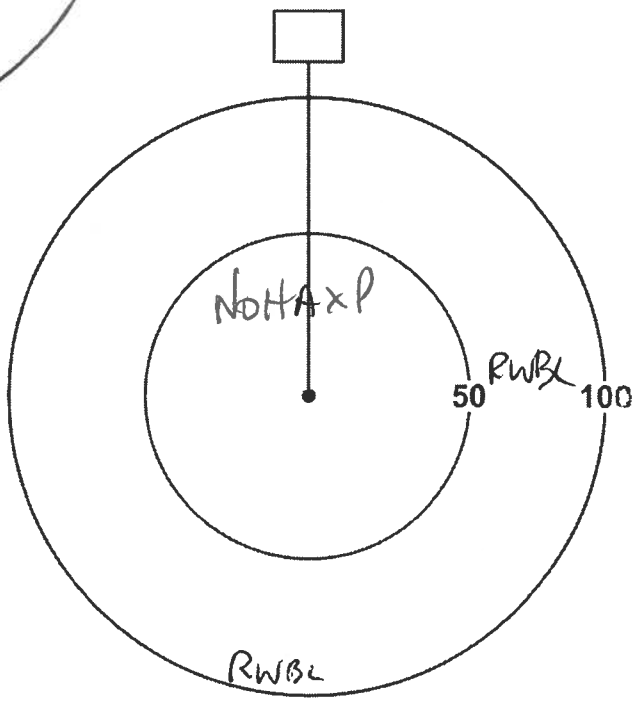



*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

Quality Control: This form is complete (✓) & legible (✓).
Signature: _____ (Field Personnel)
Signature: Katherine [illegible] (Project Manager)


REV: May, 07 Form 020

DAY 6 – July 4, 2011

**Station:** P40 / 231 (W24)

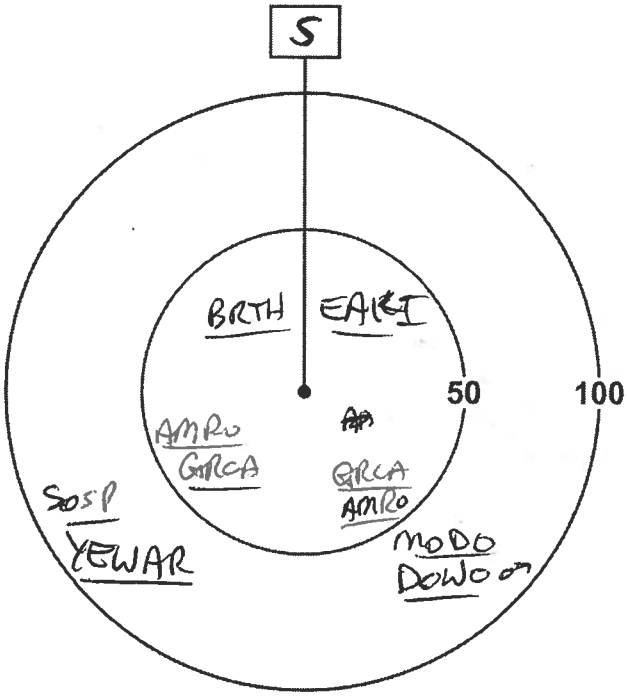
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0858

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| BARS | | | | 1 | A |
| COGR | | | | 2 | A |
| EUST | | | | 6 | A |
| TRES | | | | 2 | A |
| CLSW | | | | 1 | A |
| SOSP | | 1 | | | O |
| YEWA | | 1 | | | O |
| DOWO | | 1 | | | A |
| MODO | | 1 | | | A |
| AMRO | 2 | | | | O |
| GRCA | 2 | | | | O |
| BRTH | 1 | | | | A |
| EAKI | 1 | | | | O |

*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




**Station:** P27 / 230 (G19)

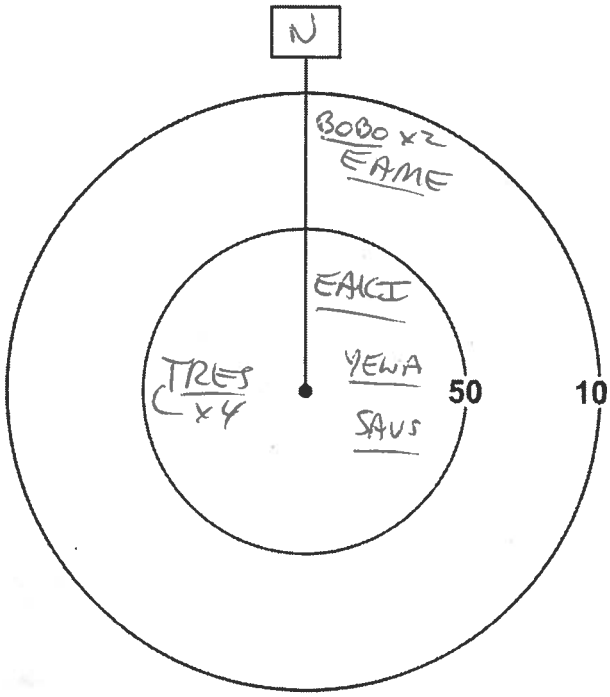
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0952

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| NOHA | | | | 1 | B |
| TRES | 4 | | | | A |
| CLSW | | | | 1 | A |
| BOBO | | 2 | | | O |
| EAME | | 1 | | | A |
| EAKI | 1 | | | | O |
| TRES | 4 | | | | A |
| YEWA | 1 | | | | O |
| SAVS | 1 | | | | O |
| AMGO | | | | 1 | A |
| | | | | | |
| | | | | | |
| | | | | | |

*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




Quality Control: This form is complete (☐) & legible (☐).

Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)

Page 3 of 3

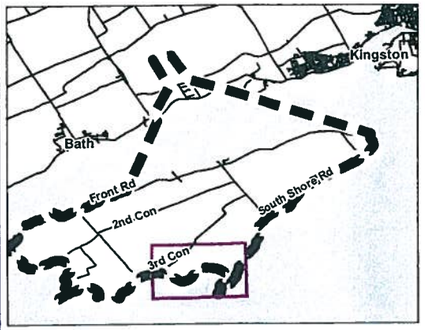
REV: May, 07 Form 020

## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

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May 2011
160960595

Client/Project

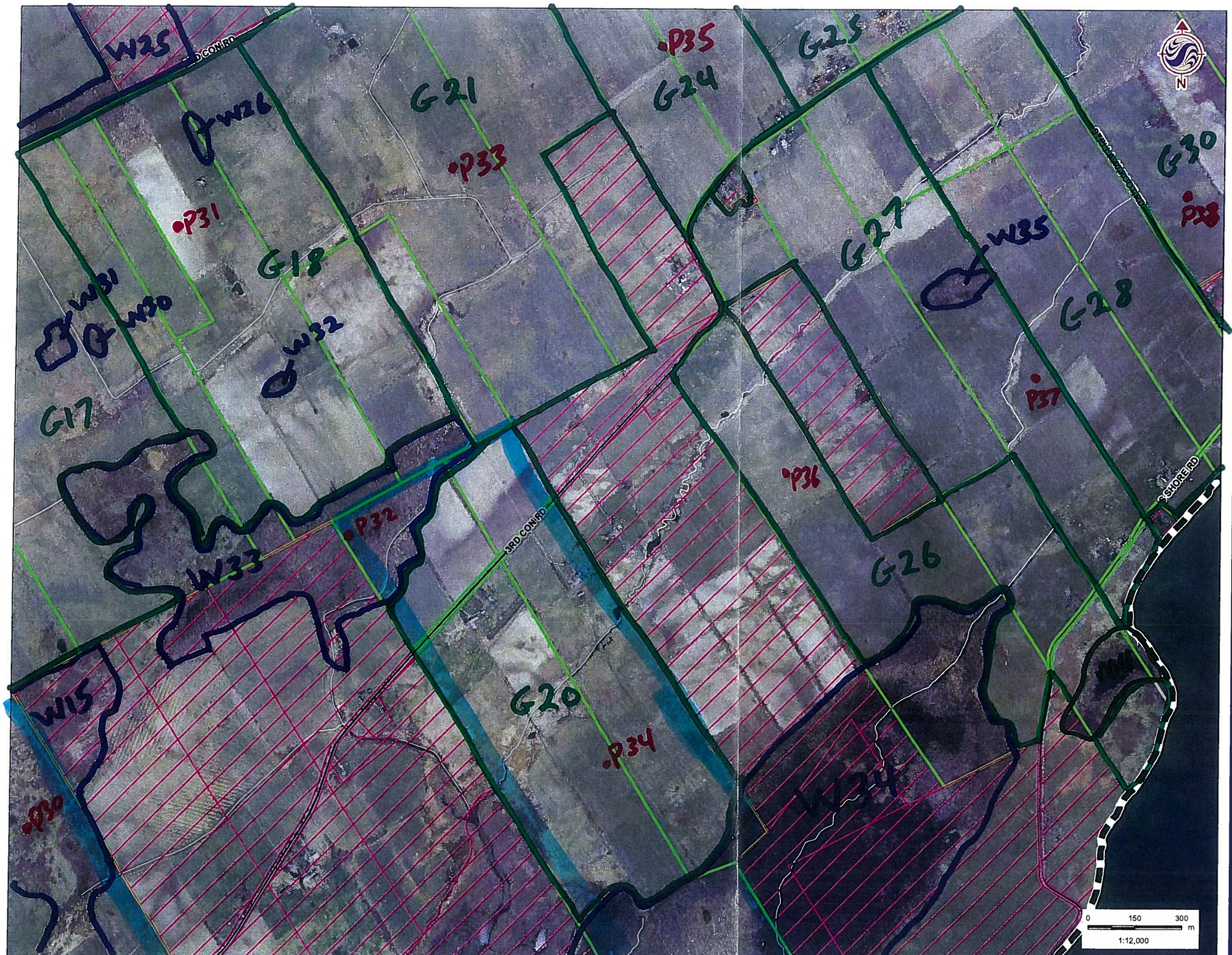
WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

Tile 7

Title

**FIELD MAPBOOK**

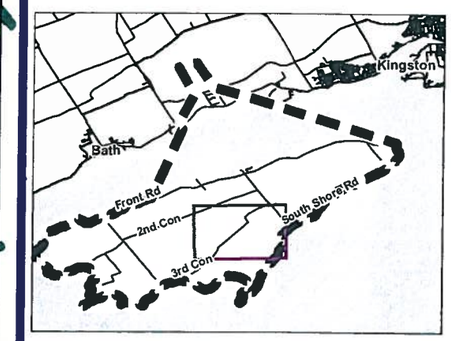



## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

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160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

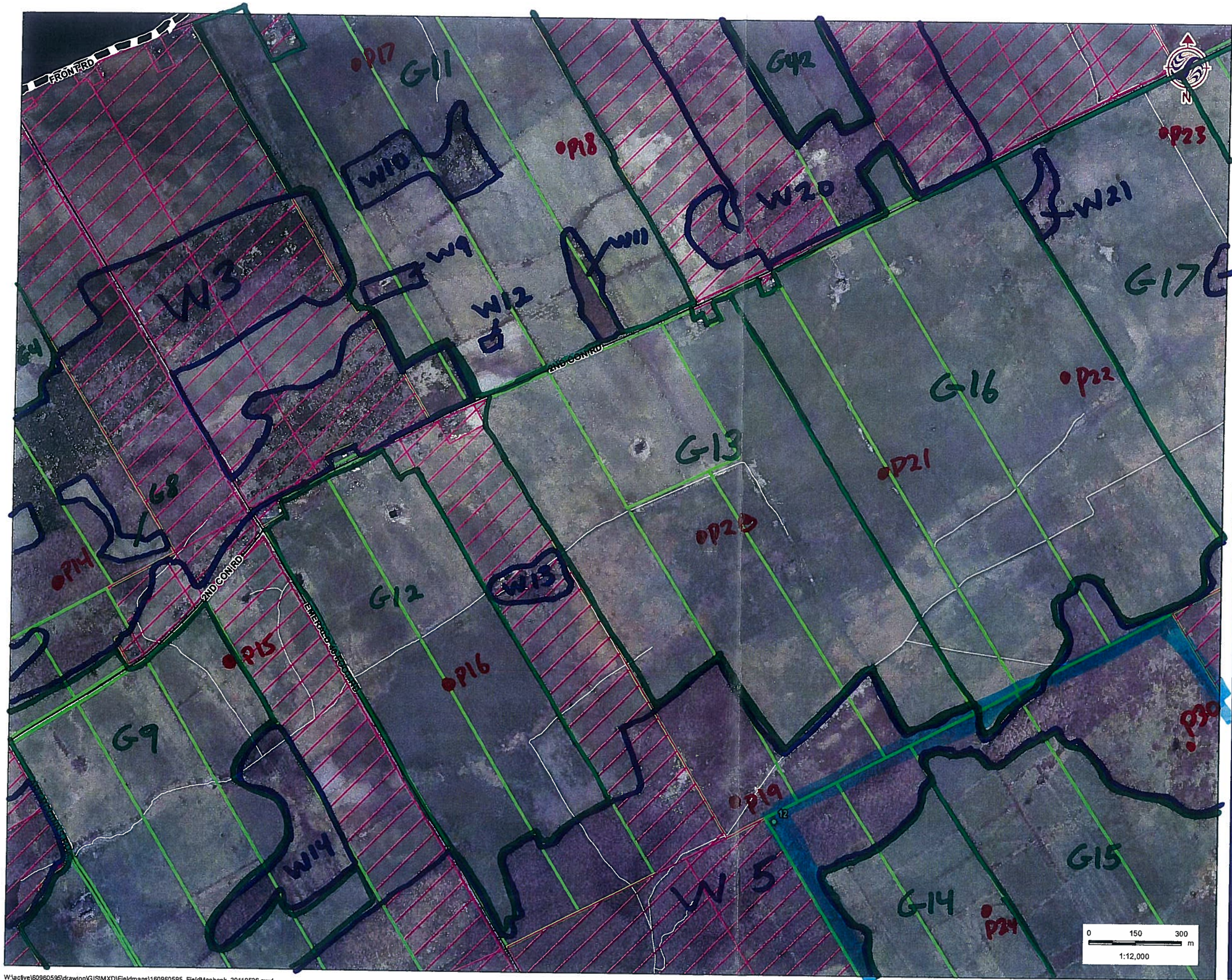
Figure No.

Tile 6

Title

**FIELD MAPBOOK**

W:\active\160960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd

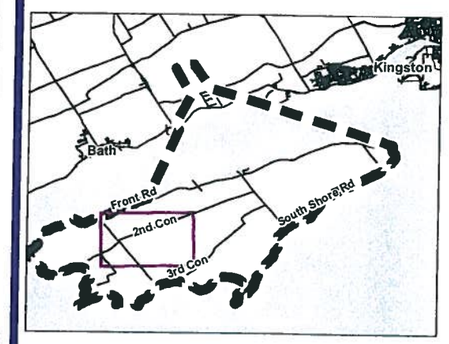



## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

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May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

Tile 3

Title

**FIELD MAPBOOK**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd
Revised on: 2011-05-27 By: dharvey

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595

Project Name: Amherst

Date: July 7, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 15 | N (1) | 0 | 0 | 0 |

**Feature No::** M3 **Habitat Type:** _____ **Time Start:** 0555 / 1000 **Time End:** 0625 / 1027

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard | H | Gr. Horned Owl | | Bl-capped Chickadee H | H | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat P | P |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | FY | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | X | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | FY |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. S | T |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin H | H | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † H | H | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | X |
| Virginia Rail P | A | Ea. Phoebe | | European Starling | FY | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | H |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo S | S | Yellow Wa. P | P | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡. | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch P | P |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove S | S | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 1 of 9

Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Kathy Stevens (Project Manager)

REV: 2011-05-27 / FORM 031

Feature No.: W36 Habitat Type: _____ Time Start: 0630 Time End: 0640

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S A | A | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | P | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | FY |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. S | S |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. S | S | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | CF | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo S | S | Yellow Wa. | FY | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove S | S | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Signature: AW (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: [illegible] (Project Manager)

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595

Project Name: Amherst

Date: July 7, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 16 | N (1) | 0 | 0 | 0 |

**Feature No::** G14 **Habitat Type:** _____ **Time Start:** 0620 **Time End:** 0715

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | FY |
| T. Vulture | X | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | S |
| N. Harrier †‡ A | A | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin H | H | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird H | H | Rose-br. Grosbeak † S | S |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † A H | FY |
| Virginia Rail | | Ea. Phoebe | | European Starling | N | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo S | S | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H | H |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove S | S | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☐ & legible ☐.

Signature: AW (Field Personnel)

Signature: Kathryn Jones (Project Manager)

REV: 2011-05-27 / FORM 031

Feature No.: W37 Habitat Type: Time Start: 0720 Time End: 0725

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | P | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Signature: AW (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathryn Stevens (Project Manager)

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 7, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20 | N (2) | 10 | 0 | 0 |

**Feature No::** W15 **Habitat Type:** _____ **Time Start:** 0735 **Time End:** 0815

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S | S | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † HP | P |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † S | S | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird S | S | Rose-br. Grosbeak † S | S |
| Red-tailed Hawk | | Willow Fly. † H | H | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. S | S | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | FY | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | S | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo S | S | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow H | H | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch P | P |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 5 of 5

Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Kathleen St Jean (Project Manager)

REV: 2011-05-27 / FORM 031

Feature No.: G15 Habitat Type: Time Start: 0718 Time End: 0740

0815 0848

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern

† Partners In Flight

‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | FY |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | P |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | FY |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird S H | S | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | FY |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | S | Baltimore Oriole † A | A |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow A | A |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow H | H | Pine Wa. ‡ | | Merlin | X |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☐ & legible ☑.

Signature: AW (Field Personnel)

Signature: Katherine St Jones (Project Manager)

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 7, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20 | N (1) | 10 | 0 | 0 |

Feature No:: W33 Habitat Type: _____ Time Start: ~~0900~~ 0912 Time End: 0940

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee H | H | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch H | H | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S | S | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ H | H | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. H P | P | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † S | S | Am. Robin S | S | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird S | S | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. S | S |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling A | A | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock H | H | Red-eyed Vireo S | S | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Signature: AW (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: Kathrine St Jones (Project Manager)

Feature No.: G20 Habitat Type: Time Start: 0903 Time End: 1135

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | FY |
| T. Vulture | X | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ H | H | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. S | S |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin S | S | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | FY |
| Virginia Rail | | Ea. Phoebe S | FY | European Starling | | Red-winged Bl. A | FY |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † A | A |
| Killdeer | FY | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo S | S | Yellow Wa. S | CF | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | X | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch P | P |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow P | P |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove P S | P | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Katrina St Jones (Project Manager)

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 7, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22 | N (1) | 20 | 0 | 0 |

**Feature No::** W34 **Habitat Type:** _____ **Time Start:** 1032 **Time End:** 1055

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ H | H |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S | S | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture H | H | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † S | S | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. S | S | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo S | S | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 9 of 9

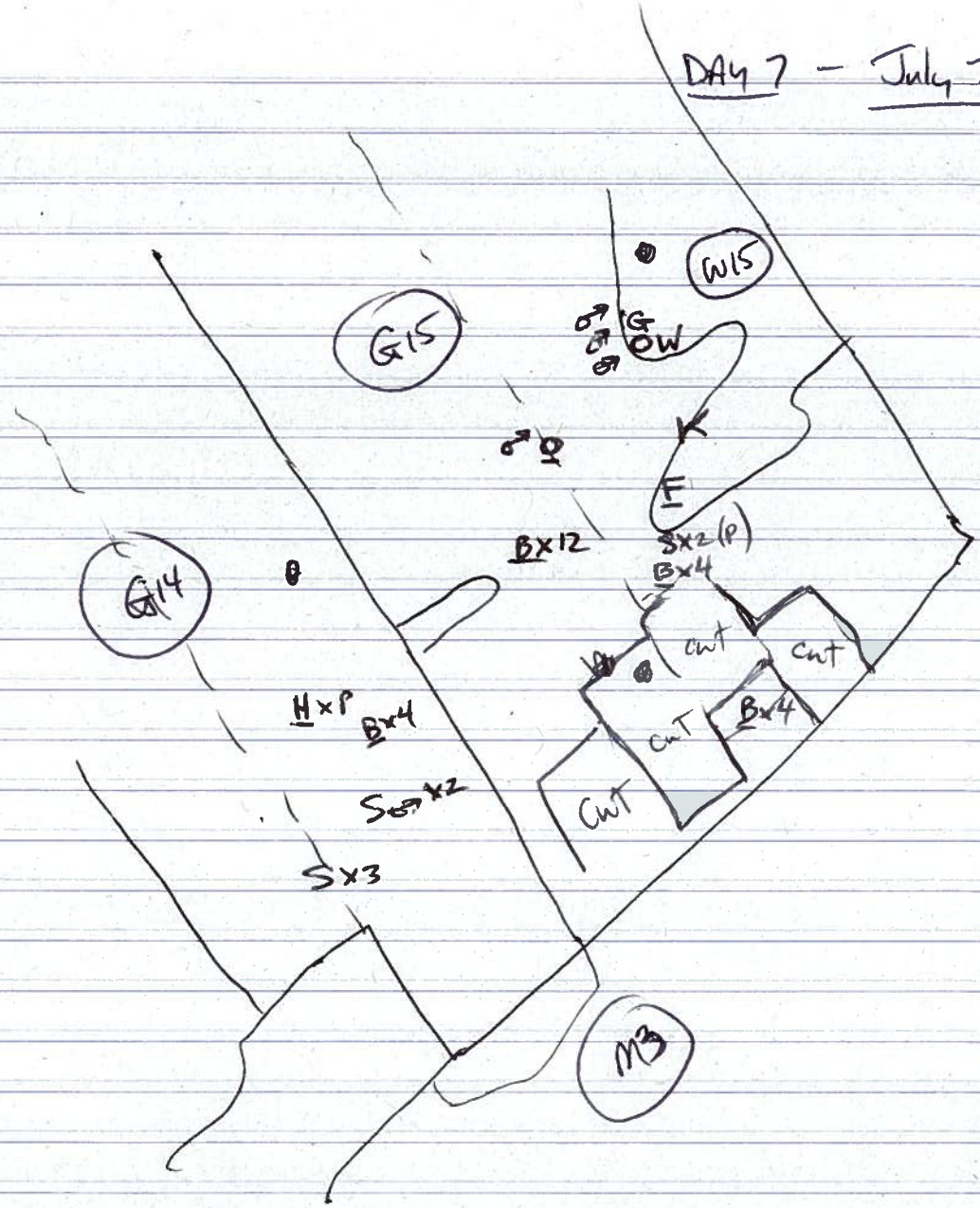
Signature: AW (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine [illegible] (Project Manager)

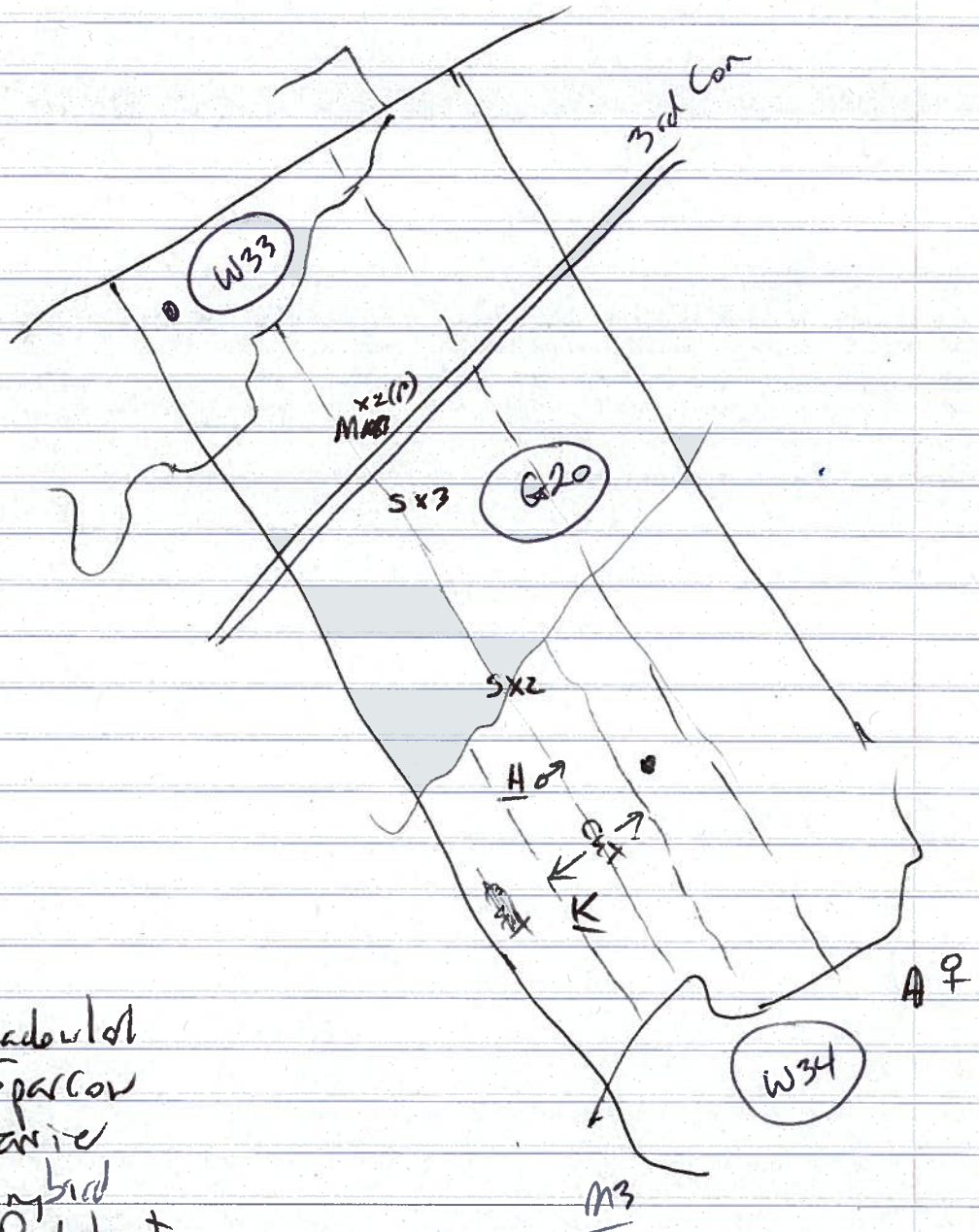
REV: 2011-05-27 / FORM 031

DAY 7 – July 7, 2011




S Savanna Sparrow
H N Harrier
B Bobolink
O B Oriole
G R br Grosbeak
W Wood Thrush
K E Kingbird
F Willow Flycatcher

DAY 7 - July 7, 2011




M E Meadowlark
S Sav Sparrow
H N Harrier
K E Kingbird
A Am Redstart

N

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Birding Point Counts Survey Observation Form

Project Number: 160960595 Project Name: Amherst

Date: July 7, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 15 | N (1) | 0 | 0 | 0 |

GPS #: T___

✓

**Station:** P28 / 237 (M3)

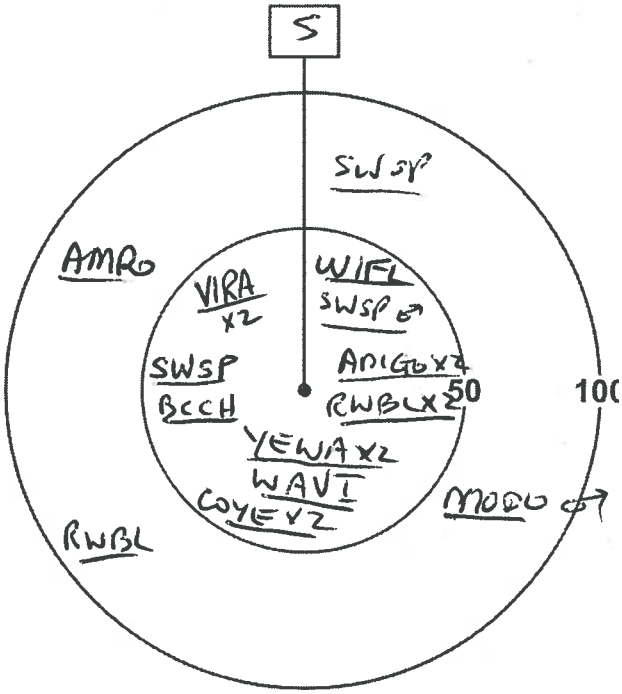
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0559

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| RWBL | | | | 1 | A |
| SWSP | 2 | 1 | | | O |
| AMGO | 2 | | | | A |
| BCCH | 1 | | | | O |
| RWBL | 2 | 1 | | | O |
| YEWA | 2 | | | | O |
| WAVI | 1 | | | | A |
| COYE | 2 | | | | O |
| MODO | | 1 | | | A |
| WIFL | 1 | | | | O |
| AMRO | | 1 | | | O |
| GRHE | | | | 3 | B |
| BARS | | | | 1 | A |

*Height of blade sweep will vary from project to project; Check with Project Manager
O – On ground; A – Below height of blade sweep; B – At height of blade sweep;
C – Above height of blade sweep; D – Well Above the height of blade sweep




VIRA 2 O
→ responded to tape!

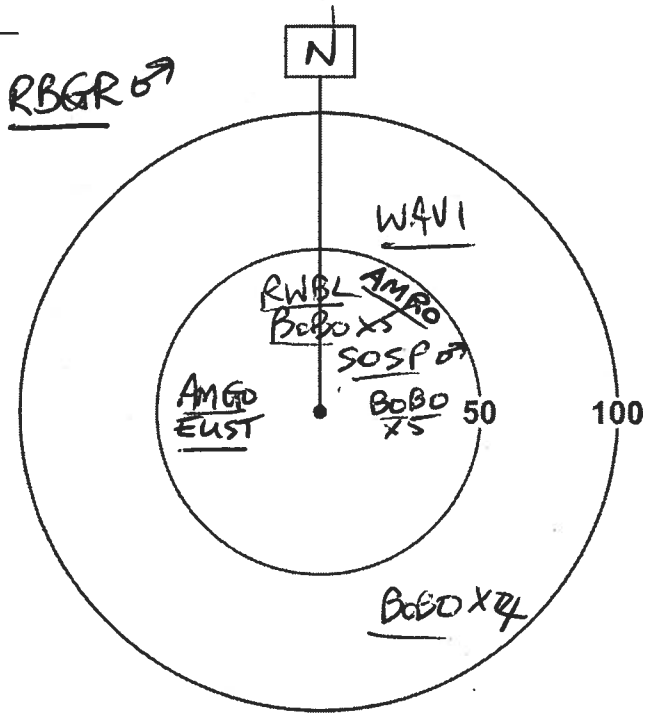
Quality Control: This form is complete (✓ & legible ✓).
Signature: _____ (Field Personnel) Signature: _____ (Project Manager)



REV: May, 07 Form 020

**Station:** P24 / 242 (G14)
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____
**UTM:** _____
**Start Time:** 0702

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| BOBO | | | | 2 | A |
| WAVI | | 1 | | | A |
| AMRO | 1 | | | | O |
| BOBO | 10 | 4 | | | A |
| RWBL | 1 | | | | A |
| SOSP | 1 | | | | O |
| RBGR | | | 1 | | A |
| AMGO | 1 | | | | A |
| EUST | 1 | | | | A |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |




*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

**Station:** P30 / 244 (W15)
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____
**UTM:** _____
**Start Time:** 0752

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| EUST | | | | 8 | A |
| AMGO | 3 | | | | O |
| SOSP | 1 | 1 | | | O |
| YEWA | | 1 | | | O |
| EUST | | 8 | | | A |
| RWBL | 5 | | | | A |
| GRCA | 1 | | | | O |
| | | | | | |
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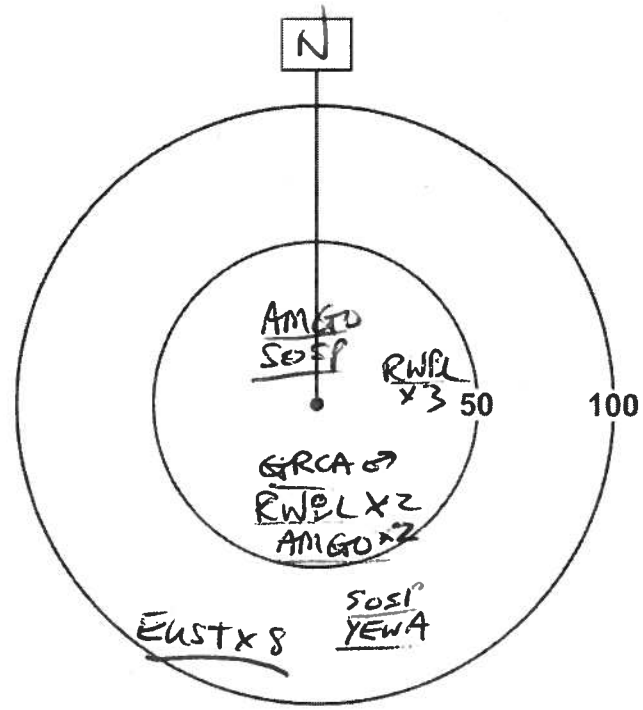


*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

Quality Control: This form is complete (✓) & legible (✓)
Signature: _____ (Field Personnel) AW
Signature: Katherine Sutton (Project Manager)


REV: May, 07 Form 020

Point Count
Field is cut

**Station:** P29 / 240 (G15)
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____
**UTM:** _____
**Start Time:** 0830

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| BARS | | | | 1 | A |
| MERL | | | | 1 | A |
| → adult (sex not certain); nesting in big marsh? | | | | | |
| GRSP | 1 | 1 | | | O |
| SAVS | 2 | 2 | | | O |
| SOSP | 1 | | | | O |
| RWBL | | | | 1 | A |
| | | | | | |
| | | | | | |
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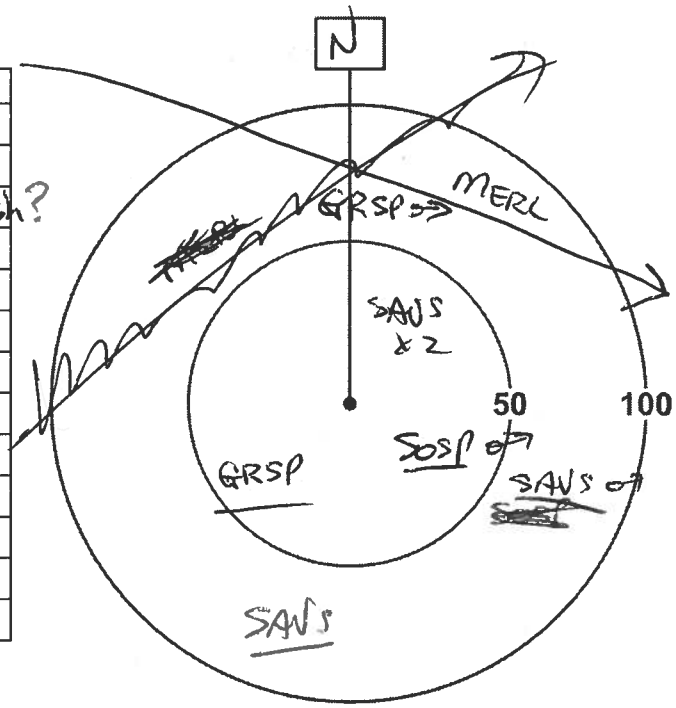
| | | | | | |




*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

**Station:** P32 / 236 (W33)
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____
**UTM:** _____
**Start Time:** 0920

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| YBSA | 1 | | | | A |
| HOWR | 1 | | | | O |
| BCCH | 1 | | | | A |
| REVI | 1 | | | | A |
| EAWP | 1 | | | | A |
| DOWO | 1 | | | | A |
| WBNU | | 1 | | | A |
| | | | | | |
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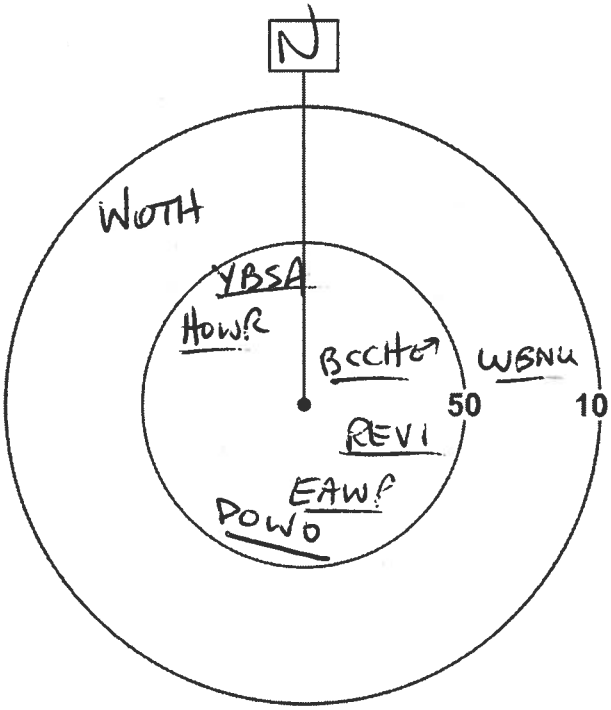



*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

Quality Control: This form is complete (✓) & legible (✓)
Signature: _____ (Field Personnel) AW
Signature: Katherine St James (Project Manager)


REV: May, 07 Form 020

**Station:** P62 / 233 (W34) (M3)

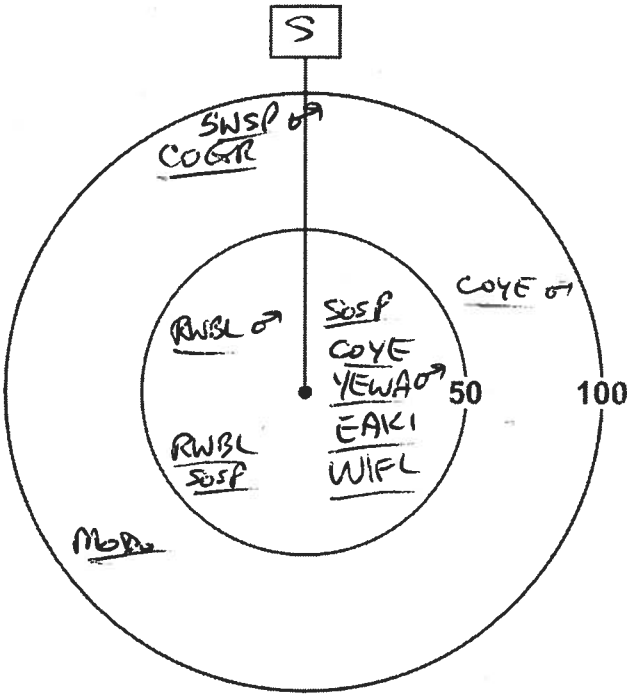
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 1002

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| EUST | | | | 1 | A |
| BOBO | | | | 1 | A |
| COGR | | | | 1 | A |
| MALL | | | | 1 | A |
| COGR | | 1 | | | O |
| RWBL | 2 | | | | O |
| COYE | 1 | 1 | | | O |
| SOSP | 2 | | | | O |
| WIFL | 1 | | | | O |
| EAKI | 1 | | | | O |
| YEWA | 1 | | | | O |
| MODO | | 1 | | | A |
| SWSP | | 1 | | | O |

*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




**Station:** P63 / 234 (W34)

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 1038

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| HOWR | 1 | | | | O |
| REVI | 1 | | | | A |
| GCFL | | 1 | | | A |
| EAWP | | 1 | | | A |
| | | | | | |
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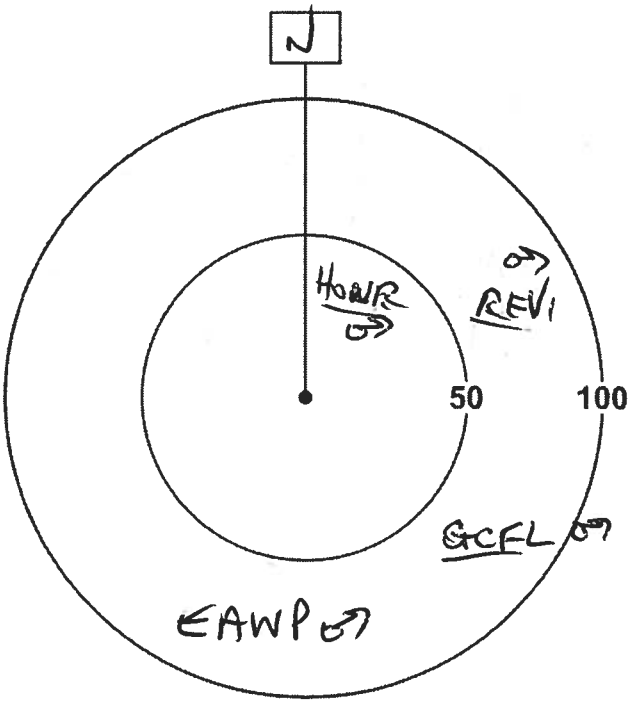
*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep.




Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel) AW

Signature: Katherine S. Jones (Project Manager)



REV: May, 07 Form 020

**Station:** P34 / 235 (G20)

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 1110

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| BARS | | | | 2 | A |
| RWBL | | | | 3 | A |
| YEWA | | 1 | | | O |
| BOBO | 9 | | | | A |
| RWBL | 3 | | | | A |
| | | | | | |
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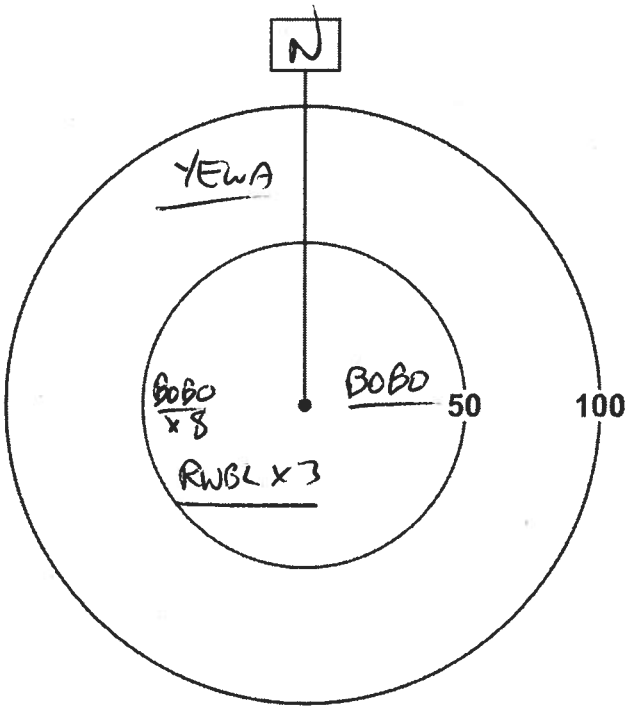
*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




**Station:** _____

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** _____

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
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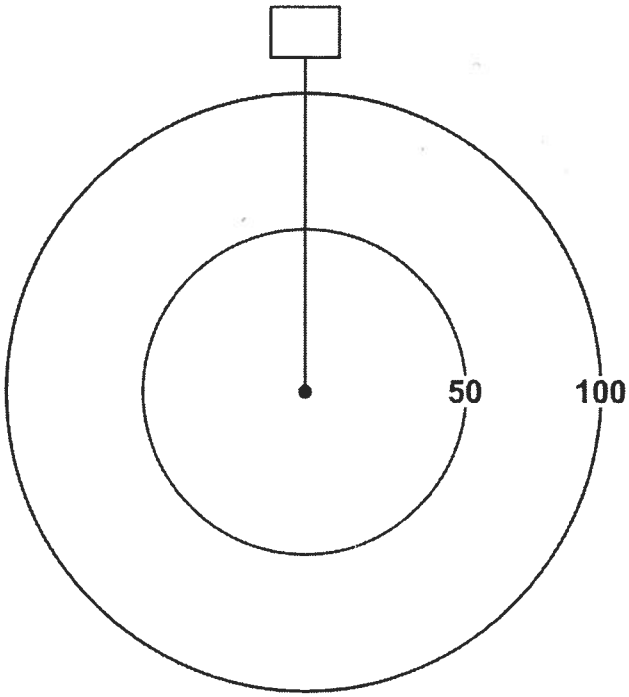
*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep.




Quality Control: This form is complete (✓) & legible (✓)

Signature: _____ (Field Personnel) Signature: Katherine St Jean (Project Manager)

Page 5 of 5

REV: May, 07 Form 020

# DAY 2 – June 21, 2011

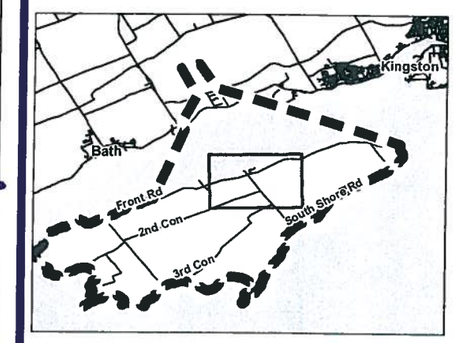
| | | |
|---|---|---|
| P28 | 237 | M3 |
| | | W36 |
| P24 | 242 | G14 |
| | | W37 |
| P30 | 244 | W15 |
| P29 | 240 | G15 |
| P32 | 236 | W33 |
| P62 | 233 | W34 / M3 |
| P63 | 234 | W34 |
| P34 | 235 | G20 |

## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

Stantec

May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

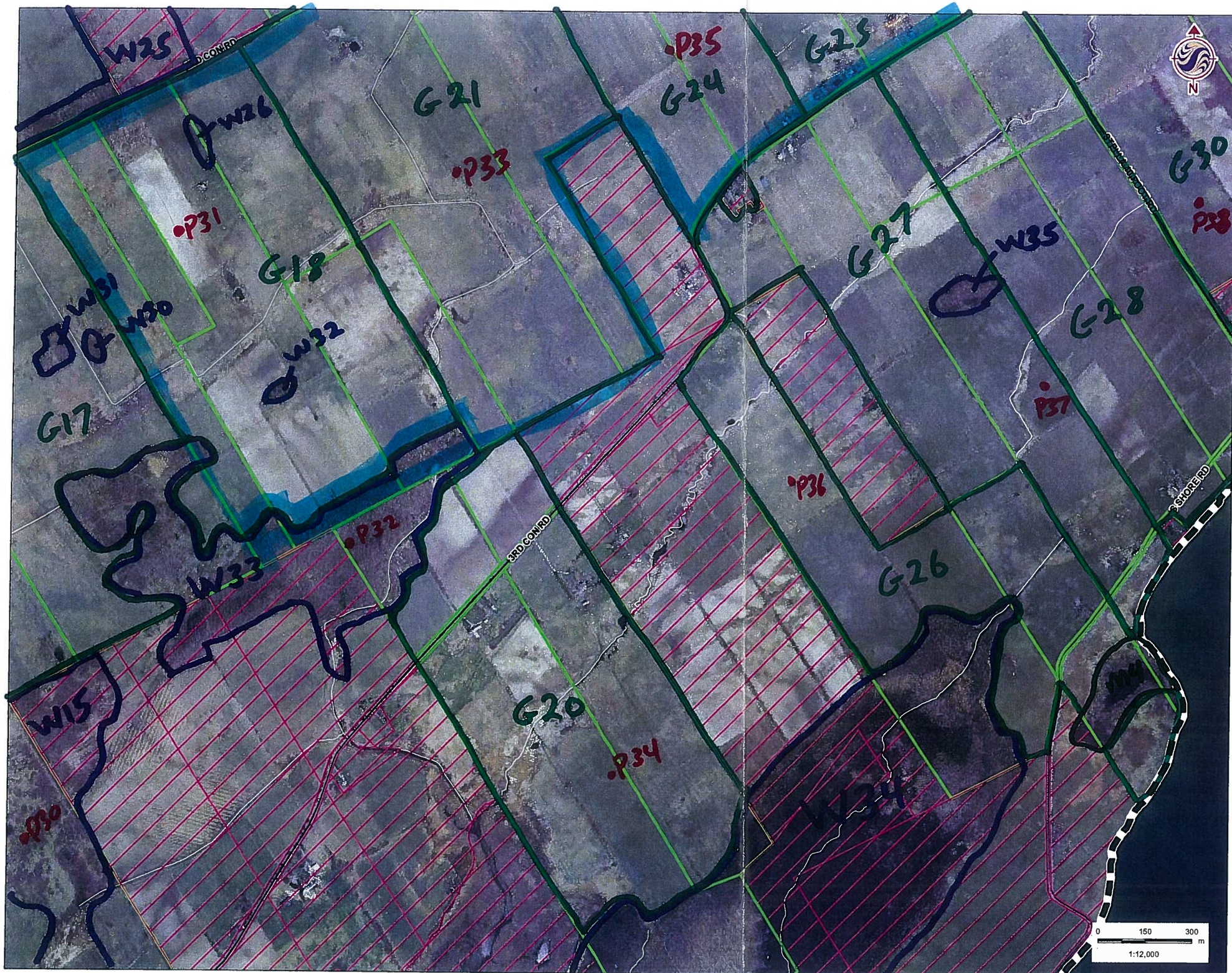
Figure No.

Tile 5

Title

**FIELD MAPBOOK**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd
Revised on: 2011-05-27 By: dharvey




## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

Stantec

May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

Tile 6

Title

**FIELD MAPBOOK**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd
Revised on: 2011-05-27 By: dharvey

# DAY 8

| Point | | |
|---|---|---|
| P31 | 254 | G18, W32, W33 |
| P33 | 255 | G21 |
| ~~P35~~ | | ~~G24~~ |
| ~~P43~~ | | ~~G~~ |
| ~~P44~~ | | |
| P 43 | 250 | G24 |
| P 35 | 251 | G24 |
| P44 | 248 | G25 |

Notes

(1) In G18, W-6 (26?) does not exist (don't do it)

(2)

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 5, 2011 Field Personnel: Alan Warmington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 17 | 0 | 20 | 0 | 0 |

**Feature No::** G21 **Habitat Type:** _____ **Time Start:** 0550 **Time End:** 0645

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † P | P |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | X | Veery | | Song Sp. | FY |
| N. Harrier †‡ A | A | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin H | H | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † H | H | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | FY | Red-winged Bl. | FY |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing P | P | Ea. Meadowlark † H | H |
| Killdeer | | Ea. Kingbird † P H | P | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo S | S | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H | H |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow H | H | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 1 of 6

Quality Control: This form is complete ☑ & legible ☑

**Signature:** AW (Field Personnel)

**Signature:** Katherine St Jean (Project Manager)

REV: 2011-05-27 / FORM 031

Feature No.: W33 Habitat Type: Time Start: 0658 Time End: 0715

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † S | S | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S | S | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † S | S | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † S | S | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † S | S | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † S | S |
| Red-tailed Hawk | X | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. H | H |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † P | P | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. P | P |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove S | S | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Signature: AW (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathryn [illegible] (Project Manager)

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 5, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 19 | 0 | 20 | 0 | 0 |

**Feature No::** G18 **Habitat Type:** _____ **Time Start:** 0645 **Time End:** 0812

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S | S | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. H | H |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † S | FY |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ H | H | No. Flicker † H | H | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † P | P |
| Virginia Rail | | Ea. Phoebe | | European Starling H | H | Red-winged Bl. | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | S |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | X | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch S H | S |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 3 of 6

Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: [signature] (Project Manager)

Feature No.: W32 Habitat Type: Time Start: 0720 Time End: 0740

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S | S | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † S | S | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird S | S | Rose-br. Grosbeak † | |
| Red-tailed Hawk A | A | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling A | FY | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle H | H |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo S | S | Yellow Wa. S | S | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 4 of 6

Signature: AW (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine St James (Project Manager)

REV: 2011-05-27 / FORM 031

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 5, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22 | SW (1) | 10 | 0 | 0 |

**Feature No::** G24 **Habitat Type:** _____ **Time Start:** 0835 **Time End:** 0928

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † P | P |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | FY |
| N. Harrier †‡ H | H | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin H | H | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | X | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † H | H |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | S |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | X |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove P H | P | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 5 of 6

Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Kathryn St Jean (Project Manager)

REV: 2011-05-27 / FORM 031

Feature No.: G25 Habitat Type: Time Start: 0940 Time End: 1025

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | N | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † S | P |
| T. Vulture | X | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † S | S | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † H | H | Least Fly. | | Br. Thrasher † | | Bobolink † H | H |
| Virginia Rail | | Ea. Phoebe | | European Starling | FY | Red-winged Bl. | FY |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † S | S |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | X | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove P | P | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Signature: AW (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katrina [illegible] (Project Manager)

REV: 2011-05-27 / FORM 031

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Birding Point Counts Survey Observation Form

Project Number: 160960595 Project Name: Amherst

Date: July 5, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 20 | SW (1) | 10 | 0 | 0 |

GPS #: T___

Station: P31 / 254 (G18)

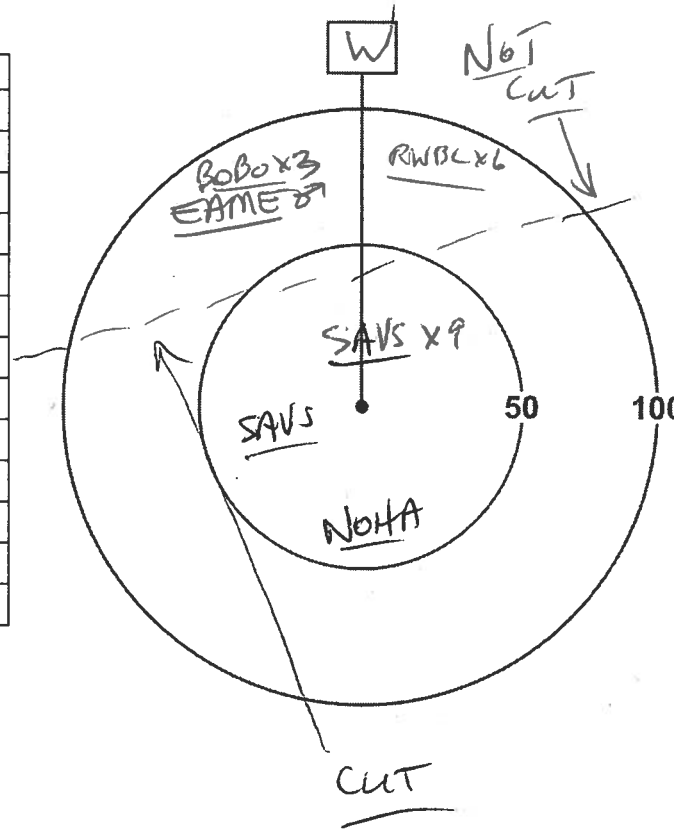
Habitat: ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop

UTM:

Start Time: 0753

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| NoHA | 1 | | | | O |
| EuST | | | | 4 | A |
| BOBO | | 3 | | | O |
| RWBL | | 6 | | | O |
| SAVS | 1 | | | | O |
| EAME | | 1 | | | O |
| SAVS | 9 | | | | A |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

*Height of blade sweep will vary from project to project; Check with Project Manager
O – On ground; A – Below height of blade sweep; B – At height of blade sweep;
C – Above height of blade sweep; D – Well Above the height of blade sweep




* Sav Sparrow – family group(s?) in isolated ash tree.

Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel) Signature: _____ (Project Manager)



REV: May, 07 Form 020

**Station:** P33 / 255 (G21)

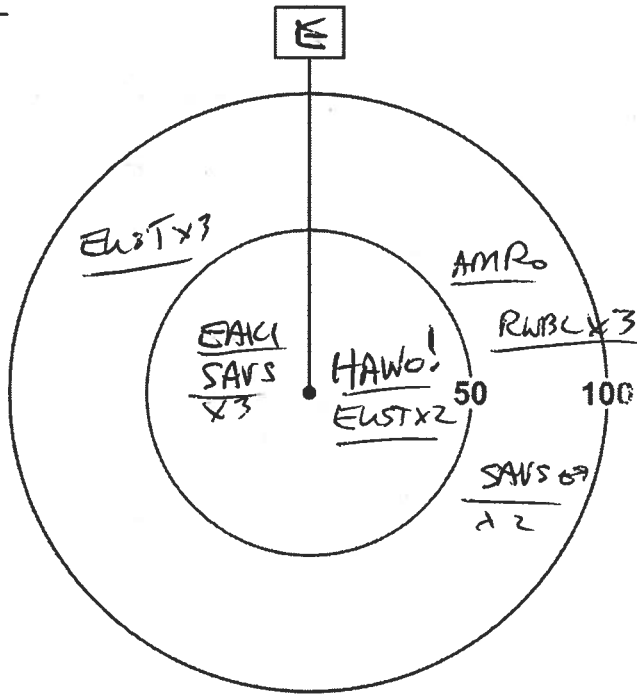
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0610

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| TRES | | | | 4 | A |
| BARS | | | | 2 | A |
| AMRO | | 1 | | | A |
| EUST | 2 | 3 | | | A |
| RWBL | | 3 | | | O |
| SAVS | 3 | 2 | | | O |
| HAWO | 1 | | | | A |
| EAKI | 1 | | | | O |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




**Station:** P43 / 250 (G24)

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0909

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| MODO | | 2 | | | O |
| EAME | | | | 1 | A |
| | | | | | |
| | | | | | |
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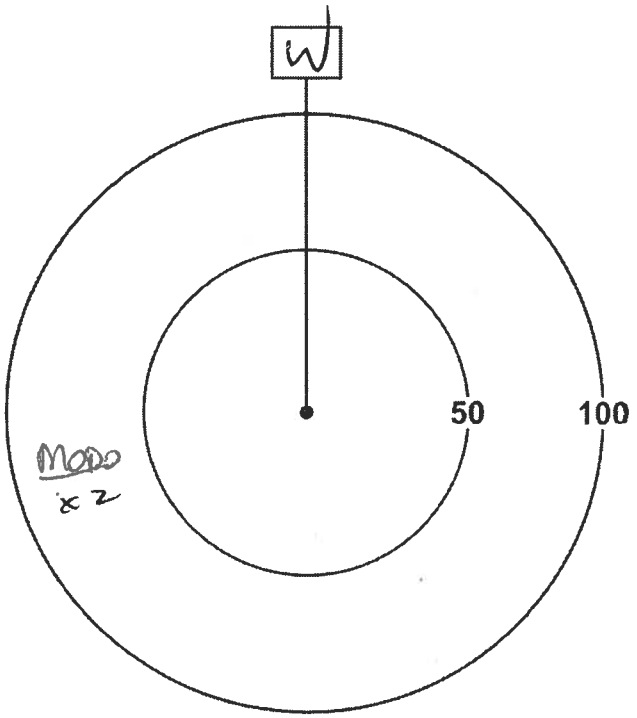
*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




Quality Control: This form is complete (✓) & legible (✓)

Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)



REV: May, 07 Form 020

**Station:** P35 / 251 (G24) (TALL RANK GRASS)

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0850

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| ~~BARS~~ | | | | 1 | A |
| SAVS | 1 | 2 | | | O |
| BOBO | | 2 | | | O |
| | | | | | |
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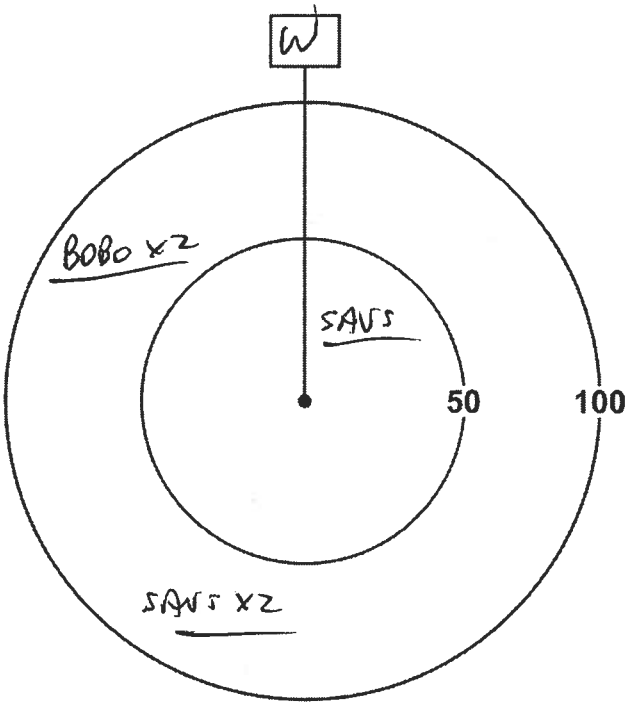


*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

**Station:** P44 / 248 (G25)

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0943

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| TUVU | | | | 1 | B |
| RBGU | | | | 1 | B |
| SOSP | 1 | 1 | | | O |
| RWBL | 1 | 1 | | | A |
| SAVS | 1 | | | | O |
| | | | | | |
| | | | | | |
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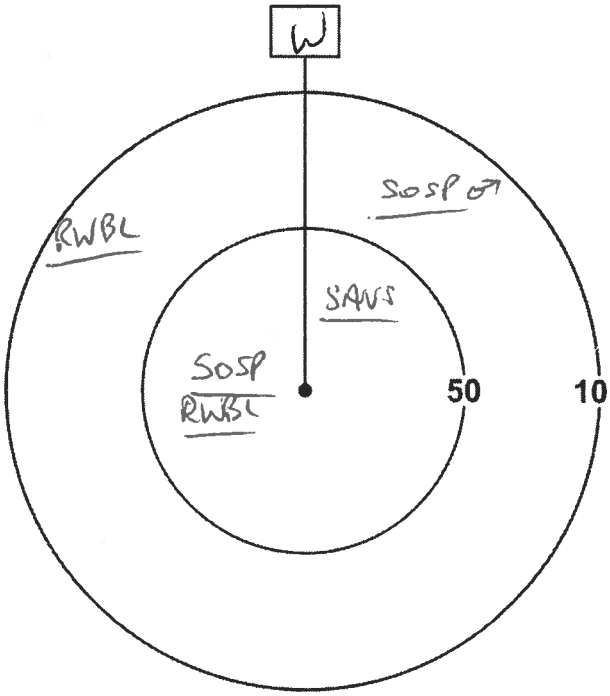


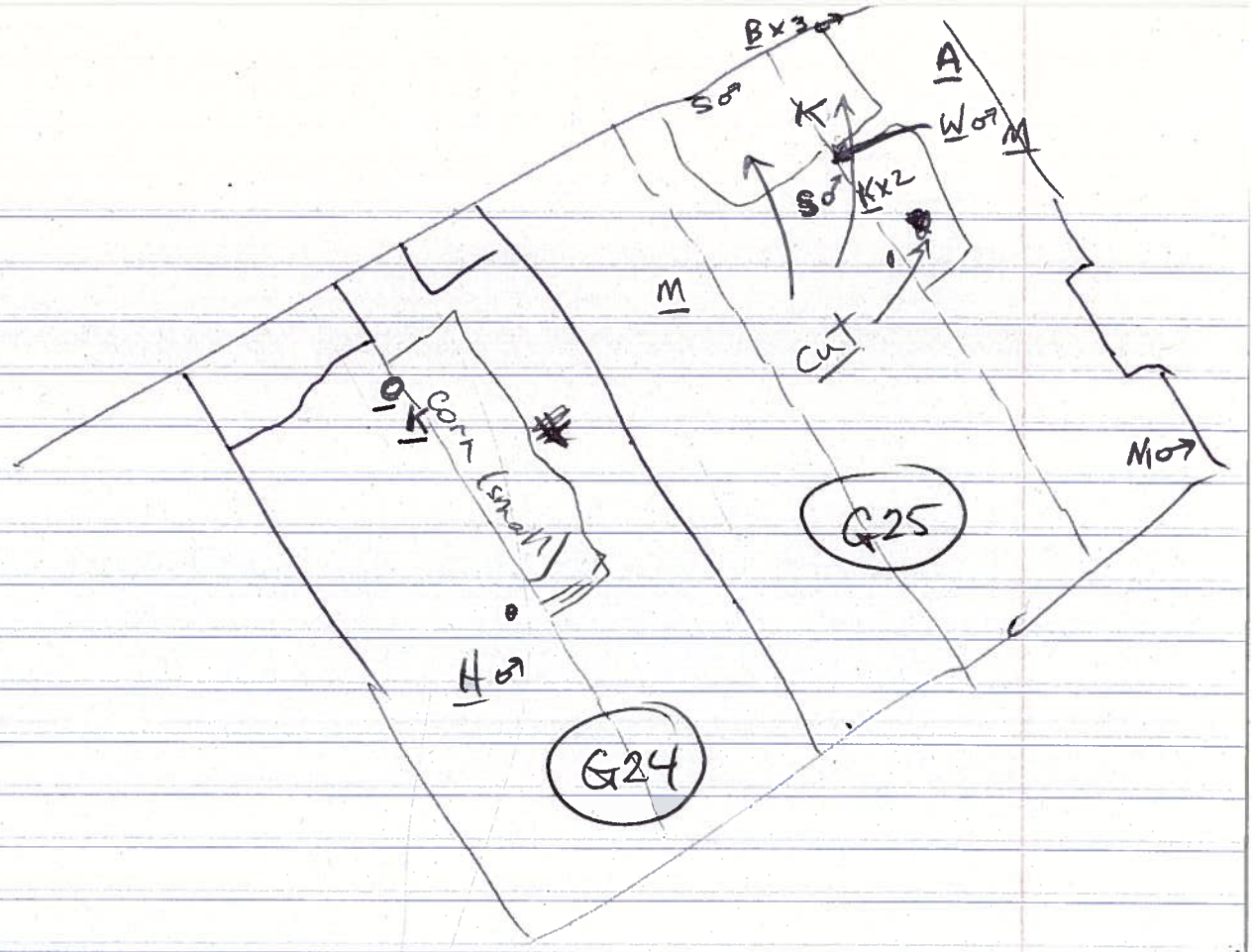

*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel) Signature: Katherine St James (Project Manager)

Page 3 of 3

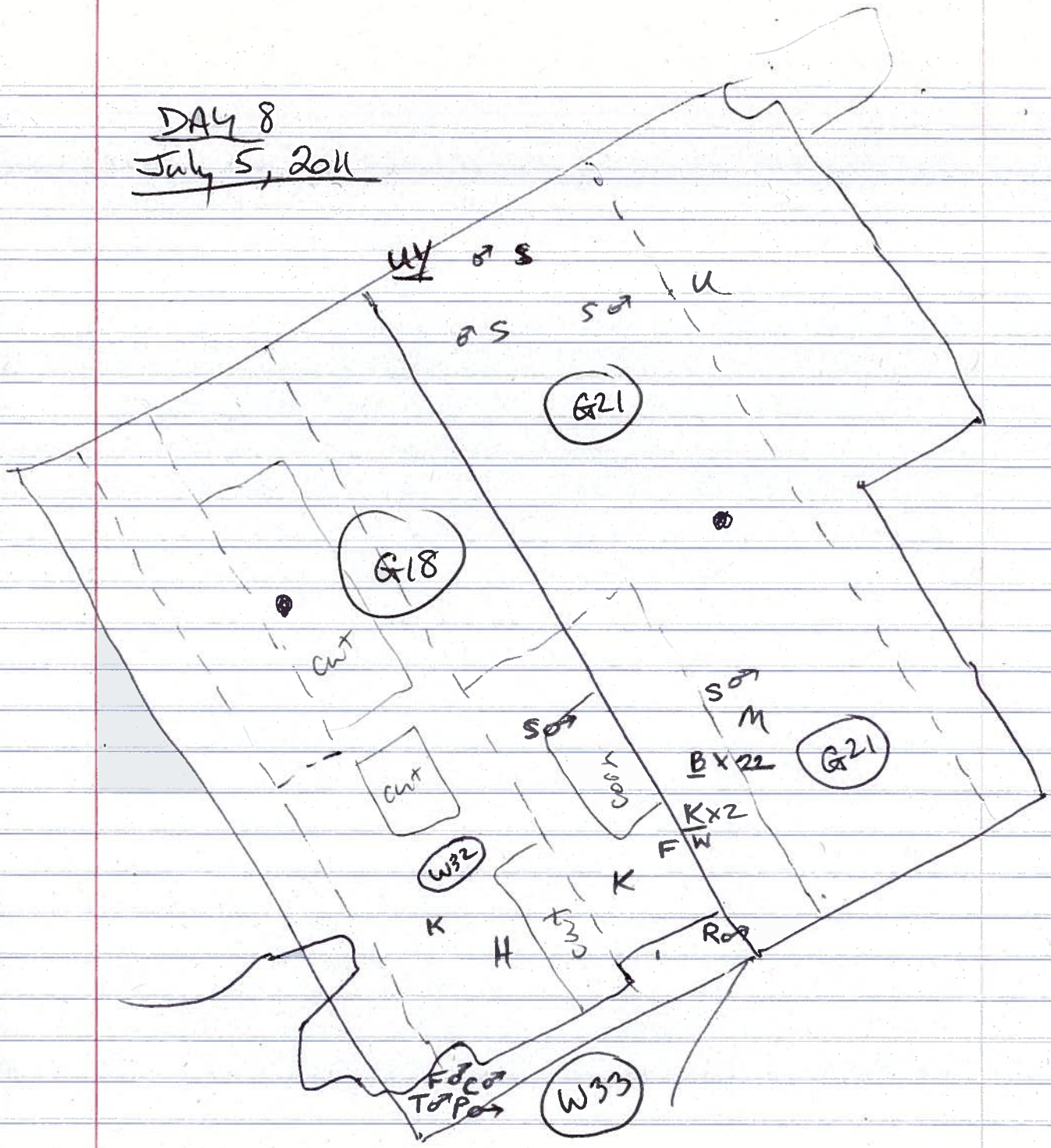
REV: May, 07 Form 020




| | | | | |
|---|---|---|---|---|
| H | N | Harrier | S | Sav Sparrow |
| K | E | Kingbird | M | E Meadowlark |
| O | B | Oriole | A | Am Kestrel |
| | | | W | Willow Flyc. |
| | | | B | Bobolink |

DAY 8 – July 5, 2011

DAY 8
July 5, 2011



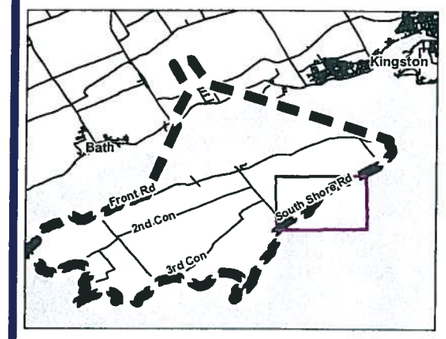

| | | | |
|---|---|---|---|
| S | Sav Sparrow | R | Rose-br Grosbeak |
| U | Upland Sandp | T | Wood Thrush |
| M | E Meadowlark | C | BB Cuckoo |
| B | Bobolink | P | E Wood-Pewee |
| K | E Kingbird | H | N Harrier |
| W | Willow Flycatcher | UY | Upland Sandpiper juvenile (ran across road). |
| F | N Flicker | | |

## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
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3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

Stantec

May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

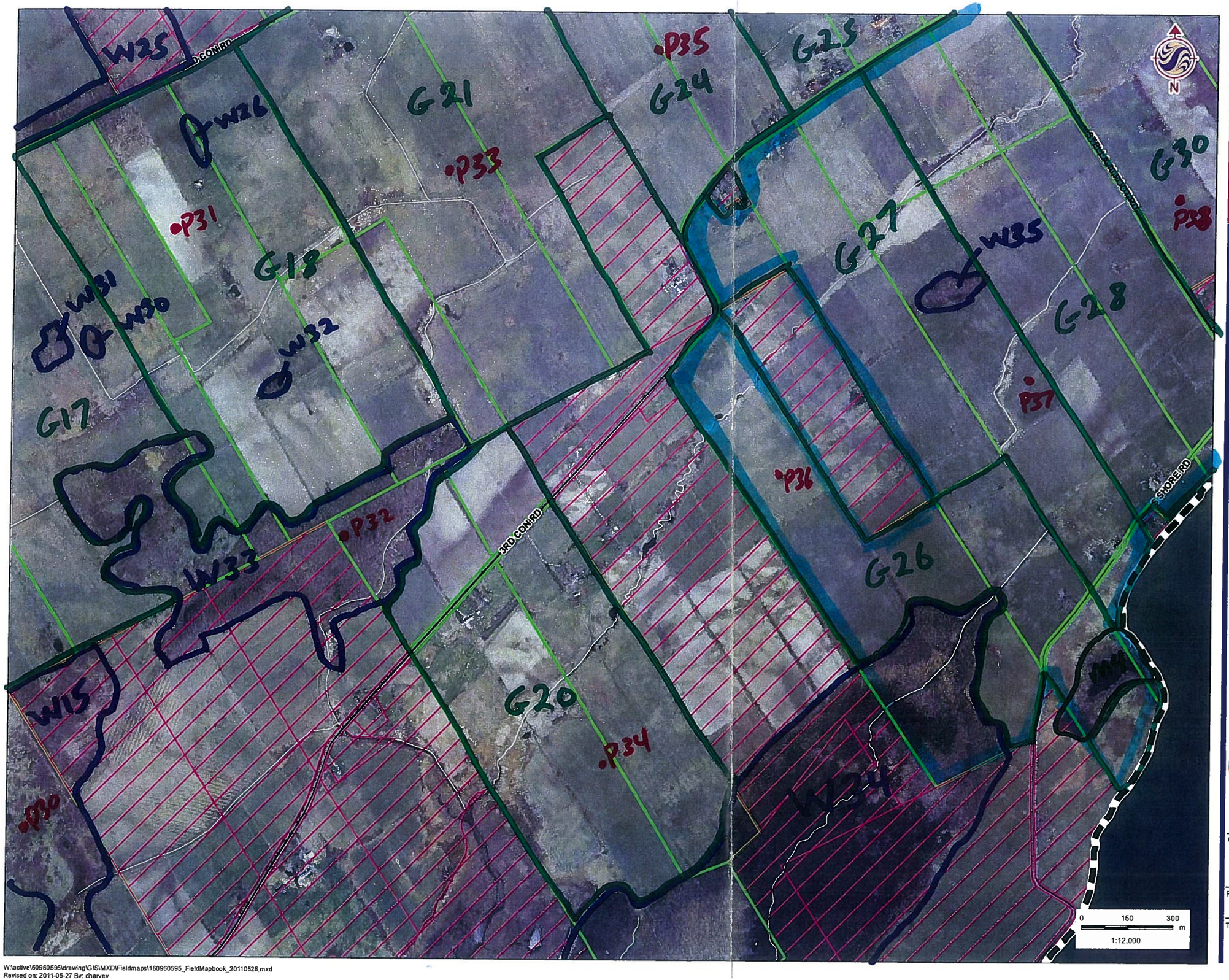
Figure No.

Tile 8

Title

**FIELD MAPBOOK**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd
Revised on: 2011-05-27 By: dhagey

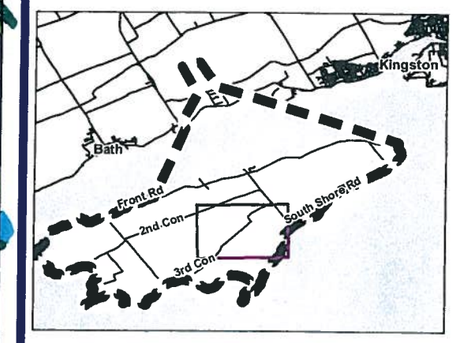



## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

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2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

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May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

Tile 6

Title

**FIELD MAPBOOK**

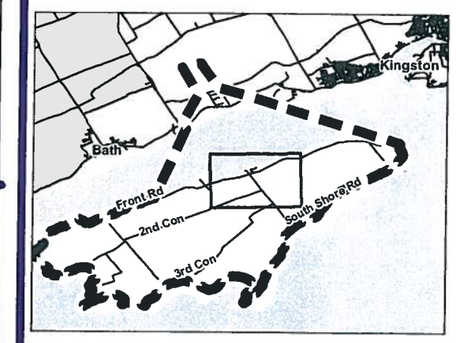
W:\active\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd
Revised on: 2011-05-27 By: dharvey

## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

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2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

Stantec

May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

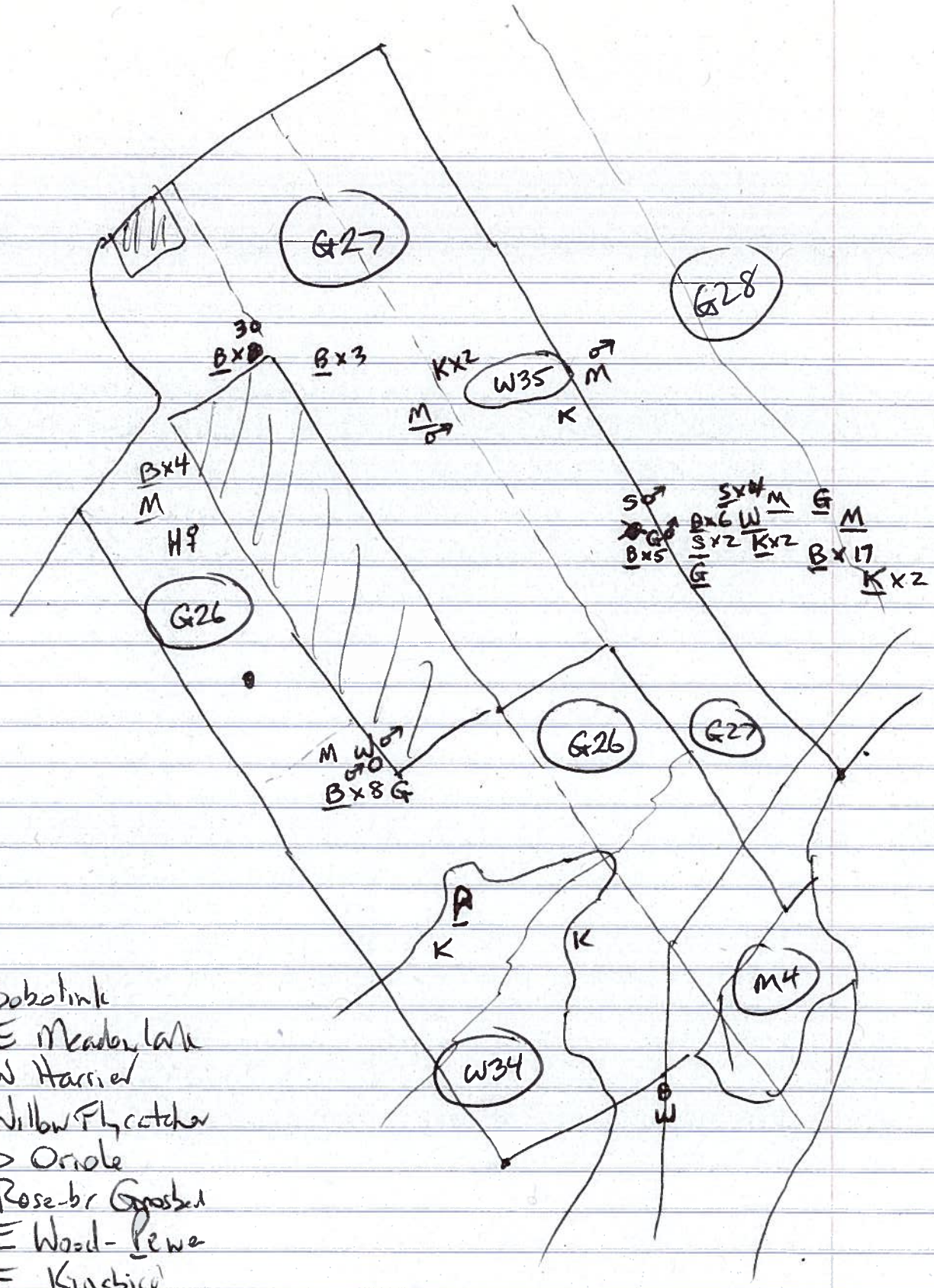
Figure No.

Tile 5

Title

**FIELD MAPBOOK**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd
Revised on: 2011-05-27 By: dhenry

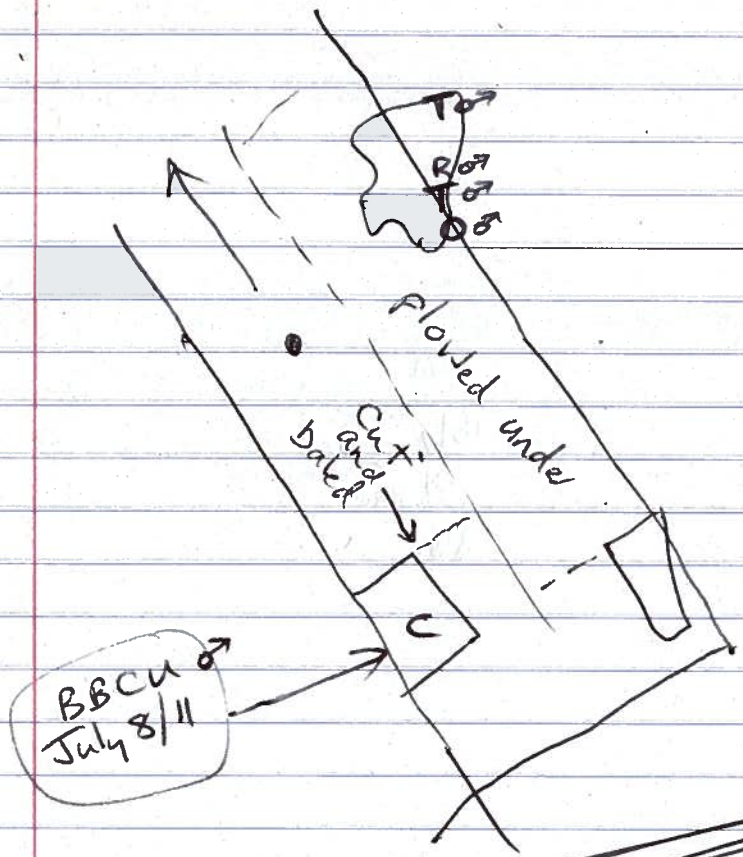



| | |
|---|---|
| B | Bobolink |
| M | E Meadowlark |
| H | N Harrier |
| W | Willow Flycatcher |
| O | B Oriole |
| G | Rose-br Grosbeak |
| P | E Wood-Pewee |
| K | E Kingbird |
| G | Grasshopper Sparrow |
| S | Sav Sparrow |

DAY 9 - July 6, 2011

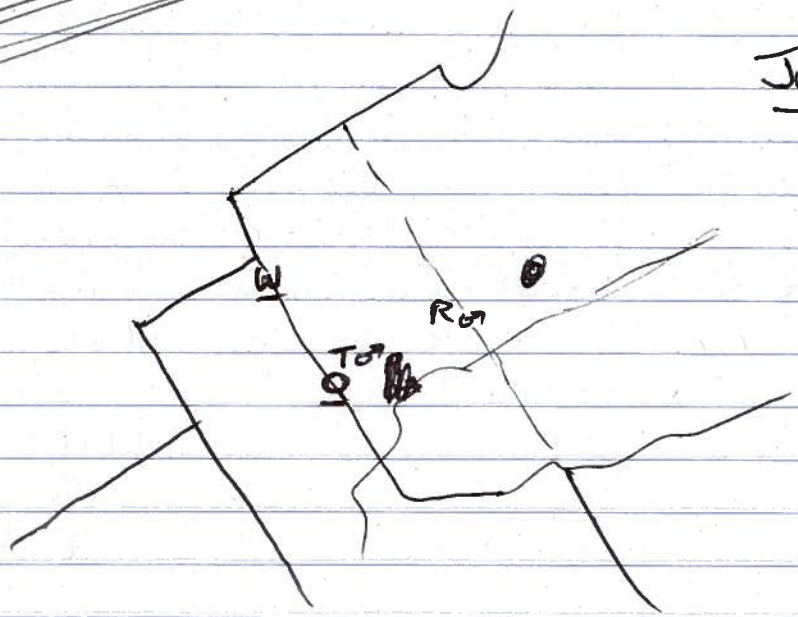
DAY 9

July 8/11




O B Oriole
I E Towhee
R Rose-br Grosbeak
W Wood Thrush
C BB Cuckoo

July 6, 2011



**Stantec Consulting Ltd.**
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 6, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 17 | W (1) | 50 | 0 | 0 |

**Feature No::** G26 **Habitat Type:** _____ **Time Start:** 0559 **Time End:** 0816

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | FY |
| N. Harrier †‡ H | H | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † H | H |
| Red-tailed Hawk | | Willow Fly. † H | H | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † H | FY |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † S | S |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | X |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | S | Baltimore Oriole † S | S |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | X | Pine Wa. ‡ | | | |
| Mourn. Dove P S | P | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 1 of 11

Quality Control: This form is complete ☑ & legible ☑

Signature: AW (Field Personnel)

Signature: Katherine [illegible] (Project Manager)

REV: 2011-05-27 / FORM 031

July 6/11

**Feature No.:** W34 **Habitat Type:** _____ **Time Start:** 0650 **Time End:** 0712

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S A | A | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. H | H | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. S | S |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † S | S | Am. Robin S A | A | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. S | S | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | FY | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo S | S | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☑ & legible ☑

**Signature:** AW (Field Personnel)

**Signature:** [signature] (Project Manager)

REV: 2011-05-27 / FORM 031

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 | Project Name: Amherst

Date: July 6, 2011 | Field Personnel: Alan Worrington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20 | SW (1) | 30 | 0 | trace |

Feature No:: M4 Habitat Type: _____ Time Start: 0723 Time End: 0810

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

Bullfrog #2 "kuk-kuck... kuk-kuk" (centre of marsh)
* Least Bittern →

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | FY | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard (flightless) | FY | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| * Least Bittern** ‡ S | T | Belt. Kingfisher † ♀ | X | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren ♂ S | T | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | X | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. S | T |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | A | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | X |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species ... | |
| Rock Dove | | Tree Swallow | X | Pine Wa. ‡ | | Common Moorhen | FY |
| Mourn. Dove | | No. R. W. Swal. | X | Cerulean Wa** †‡ | | Pair + 8+ downy young | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 3 of 11

Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Katie Sh (Project Manager)

Common Merg (2) and C. Goldeneye (1) on lake shoreline.

July 6/11

Feature No.: G28 Habitat Type: Time Start: 0816 Time End: 0848

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose F | FY | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † P | FY |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † H | H |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † U | H | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † P | P |
| Virginia Rail | | Ea. Phoebe | | European Starling | NY | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † A | A |
| Killdeer | | Ea. Kingbird † P | P | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Katrina Sy (Project Manager)

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: ~~Batt~~ July 6, 2011 Field Personnel: Alan Warmington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 23 | W (2) | 50 | 0 | trace |

**Feature No::** G27 **Habitat Type:** _____ **Time Start:** 0848 **Time End:** 0935

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † S | S |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † S | S |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. S | S |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † A | FY |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | FY |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † S | S |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H | H |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove P | P | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☒ & legible ☒.

Signature: AW (Field Personnel)

Signature: Katrina Sh (Project Manager)

REV: 2011-05-27 / FORM 031

July 6/11

Feature No.: W35 Habitat Type: Time Start: 0905 Time End: 0917

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S | S | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. H | H | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † S | S | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. S | S | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | FY | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | P | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo S | S | Yellow Wa. S | S | Baltimore Oriole † | FY |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H | H |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Signature: AW (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: (Project Manager)

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 6, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 23 | W (2) | 30 | 0 | trace |

Feature No:: ~~[illegible]~~ G30 Habitat Type: _____ Time Start: 0950 Time End: 0957 } July 6/11

1040 1053

July 9 → 0938 → 1010

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | FY |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin H | H | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | FY | Red-winged Bl. A | FY |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing P | P | Ea. Meadowlark † A | A |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | S | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch P | P |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | X | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 7 of 11

Quality Control: This form is complete ☐ & legible ☐

Signature: AW (Field Personnel)

Signature: Katherine A James (Project Manager)

REV: 2011-05-27 / FORM 031

July 8, 2011 (correct)

Feature No.: W42 Habitat Type: Time Start: 0641 Time End: 0655

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S | S | Eastern Towhee † S | S |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † S | S |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird SH | S | Rose-br. Grosbeak † S | S |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | FY |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † S | S |
| Am. Woodcock H | H | Red-eyed Vireo S | S | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | FY | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H | H |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Signature: AW (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: Katherine Sh (Project Manager)

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1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 9, 2011 (correct) Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 21 | N (1) | 20 | 0 | 0 |

**Feature No::** W40 **Habitat Type:** _____ **Time Start:** 0958 **Time End:** 1013

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † S | S | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S | S | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † S | S | Am. Robin S | S | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. S | S | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo H | H | Yellow Wa. S | S | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H | H |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☐ & legible ☐.

Signature: AW (Field Personnel)

Signature: Katherine [illegible] (Project Manager)

REV: 2011-05-27 / FORM 031

July 8, 2011 (correct)

Feature No.: W41 Habitat Type: Time Start: 0558 Time End: 0612

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat A | A |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † H | H | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | FY | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. A S | A | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H | H |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☐ ~~& legible~~ ☐

Signature: AW (Field Personnel)

Signature: Katherine Stone (Project Manager)

REV: 2011-05-27 / FORM 031

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 6, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 23 | W (2) | 30 | 0 | trace |

**Feature No::** W38 **Habitat Type:** _____ **Time Start:** 0955 **Time End:** 1040

***Record location of all significant species on site map.*** Broad-winged Skippe – 1 ex fro

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † S | S | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee H | H | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S | S | Eastern Towhee † | T |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. H | H | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | FY |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. S | T |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † A | A | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin S A | A | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird S | S | Rose-br. Grosbeak † S | T |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | FY | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † S | S |
| Am. Woodcock H | H | Red-eyed Vireo S | S | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay H | H | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | P |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 11 of 11

Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: [signature] (Project Manager)

REV: 2011-05-27 / FORM 031

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Birding Point Counts Survey Observation Form

Project Number 160960595 Project Name: Amherst

Date Jun 6, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | Temp: 17 | Wind: W (1) | Cloud: 50 | PPT: 0 | PPT in last 24 hrs: 0 |
|---|---|---|---|---|---|

GPS #: T___

✓ **Station:** P36 / 261 (G26)

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0622

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| COGR | | | | 1 | A |
| RBGU | | | | 1 | A |
| MOBO | | | | 2 | A |
| RWBL | | | | 3 | A |
| SOSP | 1 | | | | O |
| BOBO | | 4 | | | O |
| EAME | 1 | | | | O |
| | | | | | |
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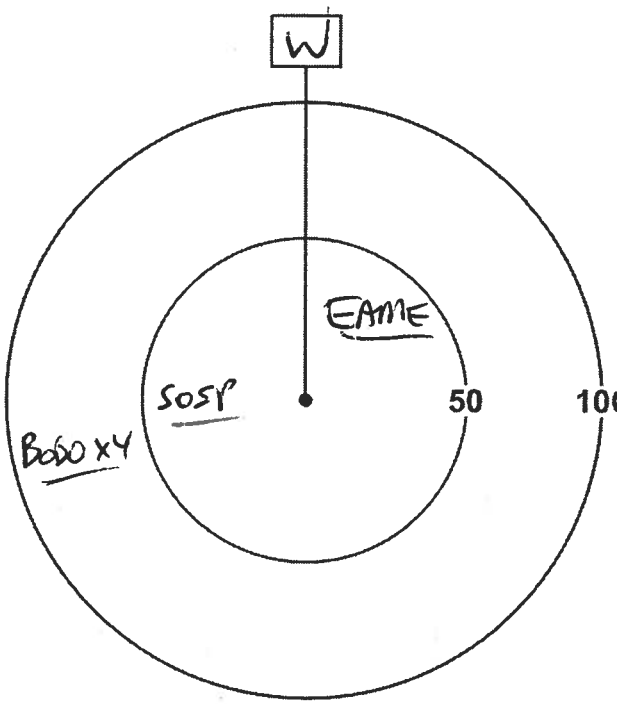


*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

Quality Control: This form is complete (✓) & legible (✓)

Signature: AW (Field Personnel) Signature: Katrina Sh (Project Manager)

 REV: May, 07 Form 020

**Station:** P37 / 259 (G27) — July 6, 2011

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0854

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| AMGO | | 1 | | | A |
| SAVS | 2 | 4 | | | O |
| SoSP | 1 | | | | O |
| | | | | | |
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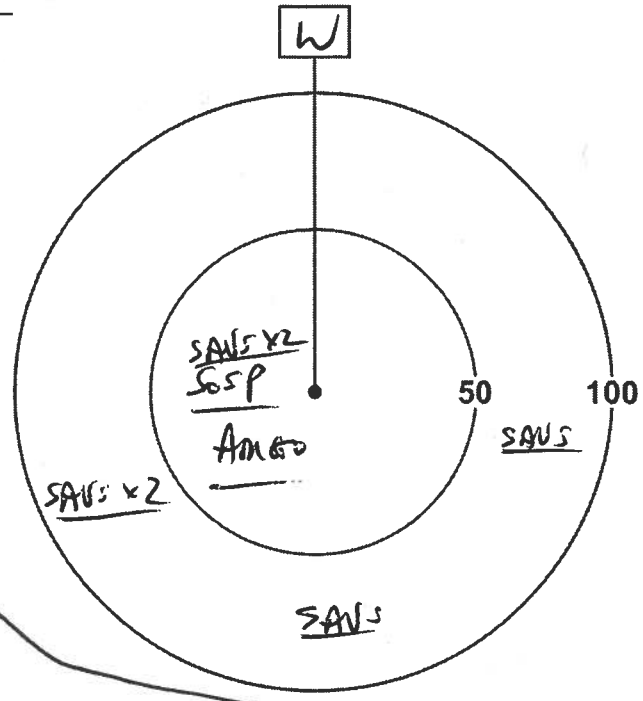


*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

**Station:** P38 / 257 (G30)

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0945

July 9, 2011
Field is cut and baled

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| AMGO | | 2 | | | A |
| EAKI | | 1 | | | A |
| EUST | | | | 2 | A |
| WAXW CEWA | | 2 | | | A |
| SAVS | 2 | 5 | | | O |
| AMRO | | | | 1 | A |
| YEWA | 1 | | | | O |
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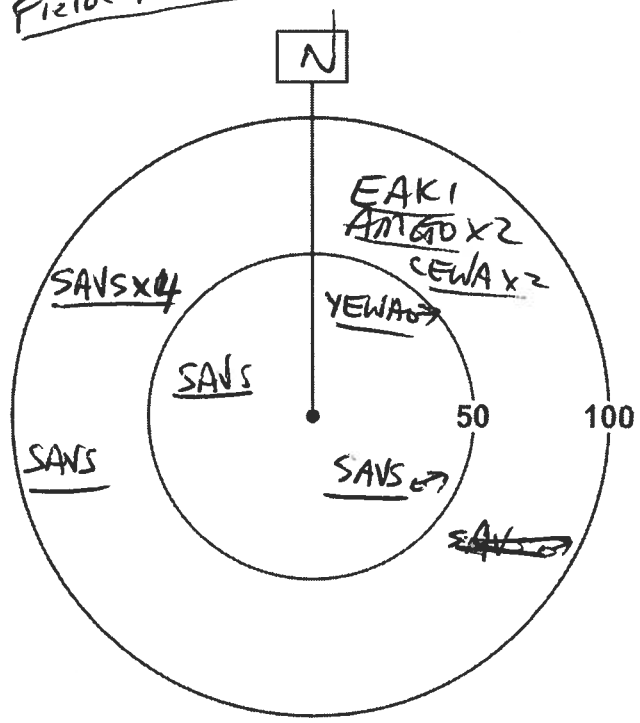


*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

Quality Control: This form is complete (✓) & legible (✓)

Signature: _____ (Field Personnel) Signature: _____ (Project Manager)

 REV: May, 07 Form 020

**Station:** P47 / 263 (W38) July 6/11

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 1016

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| BBCU | 1 | 1 | | | A |
| SWSP | | 2 | | | O |
| SOSP | | 1 | | | O |
| RBGR | | 1 | | | A |
| REVI | | 1 | | | A |
| | | | | | |
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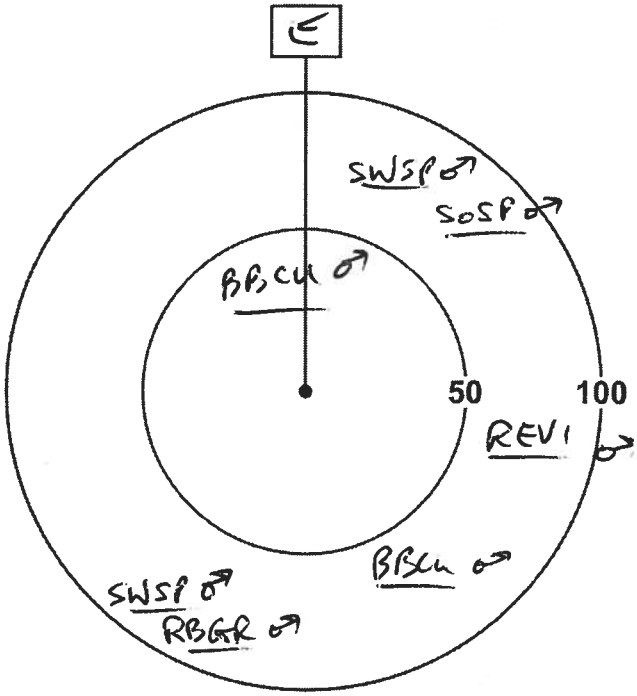


*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

**Station:** _____

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** _____

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| | | | | | |
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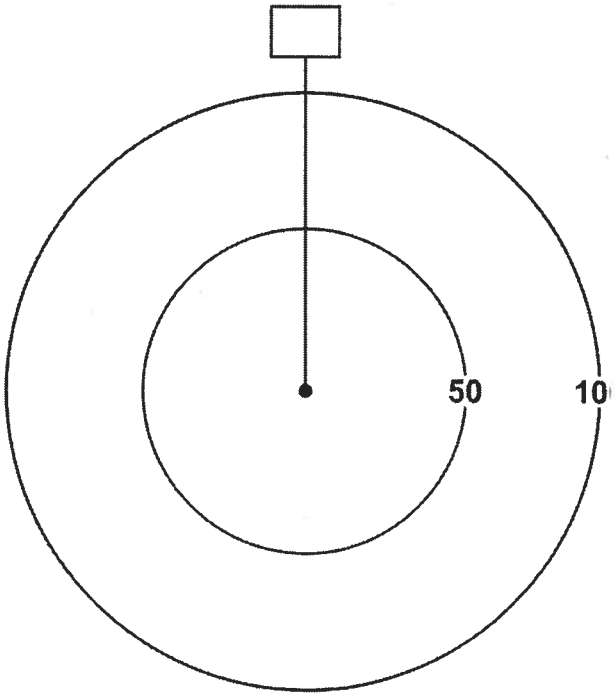



*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

Quality Control: This form is complete (✓) & legible (✓).

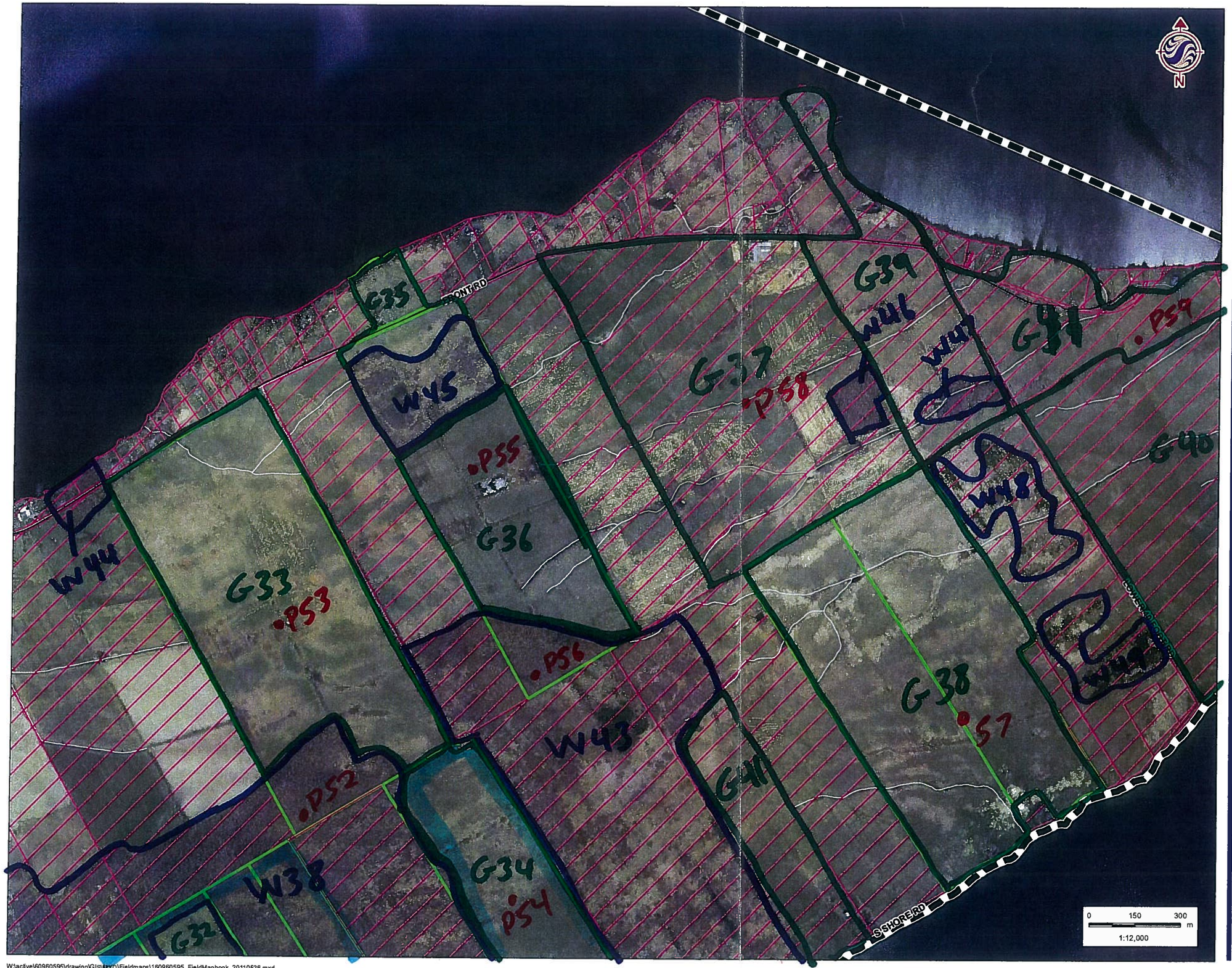
Signature: _____ (Field Personnel) Signature: _____ (Project Manager)



REV: May, 07 Form 020

# DAY 9 — June 20, 2011

| Point | | |
|---|---|---|
| P36 | 261 | G26<br>W34<br>M4 |
| P37 | 259 | G27, G28 (first)<br>W35 |
| P38 | 257 | G30<br>W40, W41, W42 |
| P47 | 263 | W38 |

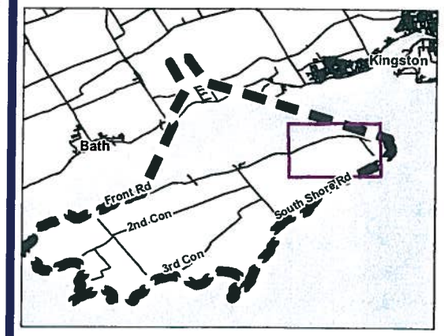



## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

Stantec

May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

Tile 9

Title

**FIELD MAPBOOK**

W:\acs\ve\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd
Revised on: 2011-05-27 By: dharvey

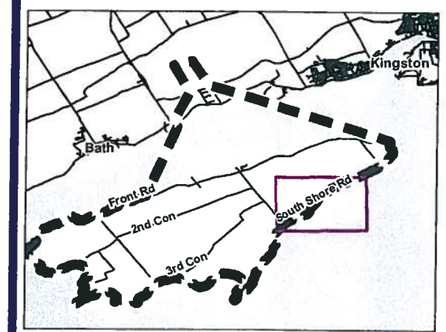
W:\active\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd
Revised on: 2011-05-27 By: dharvey

## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

Stantec

May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

Tile 8

Title

**FIELD MAPBOOK**

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595

Project Name: Amherst

Date: July 8, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20 | 0 | 50 | 0 | 0 |

**Feature No::** G31 **Habitat Type:** _____ **Time Start:** 0550 **Time End:** 0752

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | FY | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † S | S | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † S | FY |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin H | H | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † P S | P | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † H | H | Least Fly. | | Br. Thrasher † | | Bobolink † | FY |
| Virginia Rail | | Ea. Phoebe | | European Starling | FY | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † S | S |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. ?H | H |
| Upla. Sandpiper ‡ A | A | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo S | S | Yellow Wa. P | P | Baltimore Oriole † | |
| Am. Woodcock H | H | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 1 of 5

Quality Control: This form is complete ☐ & legible ☐.

Signature: AW (Field Personnel)

Signature: Katherine [illegible] (Project Manager)

REV: 2011-05-27 / FORM 031

Feature No.: G32 Habitat Type: Time Start: 0807 Time End: 0944

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow H | H | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow H | H | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † S | S |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | FY |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. S | S |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † H P | P |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ A | A | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | X | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | X | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | X | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☐ & legible ☐

Signature: AW (Field Personnel)

Signature: Kahne Sm (Project Manager)

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 8, 2011 Field Personnel: Alan Warmington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22 | 0 | 20 | 0 | 6 |

**Feature No::** W38 **Habitat Type:** _____ **Time Start:** 0843 **Time End:** 0942

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S | S | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ S | S | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † S | S | Am. Robin S | S | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird H | H | Rose-br. Grosbeak † S | S |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. S | S | Br. Thrasher † | | Bobolink † | X |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle P | P |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | S | Baltimore Oriole † | |
| Am. Woodcock H | H | Red-eyed Vireo S | S | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H | H |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | X | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 3 of 5

Quality Control: This form is complete ☐ & legible ☐.

Signature: AW (Field Personnel)

Signature: [signature] (Project Manager)

REV: 2011-05-27 / FORM 031

Feature No.: G34 Habitat Type: Time Start: 1002 Time End: 1030

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat H | H |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin H | H | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † H | H |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. H | H |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | S | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

E Tailed - Blue - 14
mud puddle Ord Woods Road

Pg. 4 of 5

Signature: AW (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: Karen Sa (Project Manager)

REV: 2011-05-27 / FORM 031

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 8, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22 | trace SE | 30 | 0 | 0 |

**Feature No::** W43 **Habitat Type:** _____ **Time Start:** 1002 **Time End:** 1033

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † H | H | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † H | H | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | S | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H | H |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 5 of 5

Quality Control: This form is complete ☐ & legible ☐.

Signature: AW (Field Personnel)

Signature: [signature] (Project Manager)

REV: 2011-05-27 / FORM 031

# DAY 10

| | | |
|---|---|---|
| | | → (W41) |
| P48 | 269 | G31 |
| P49 | 271 | G31 |
| P51 | 273 | G32 |
| P50 | 275 | W38 (edge) |
| [illegible] | | [illegible] (edge) |
| P54 | 267 | G34, W43 |

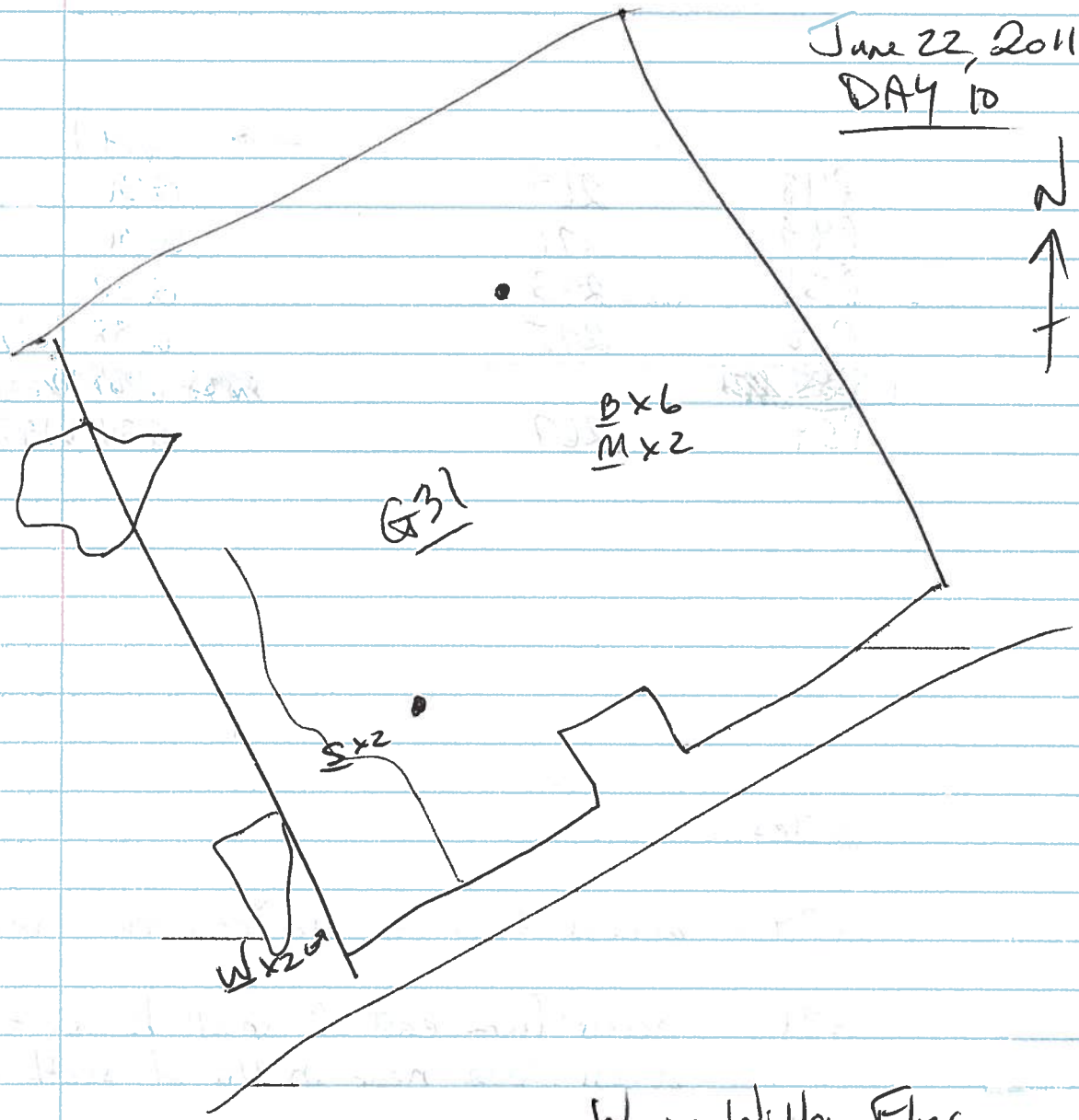
## Notes

G34 - access from bend in "cross-over" road

G31 - access from east of small house - no access zone near middle of south end

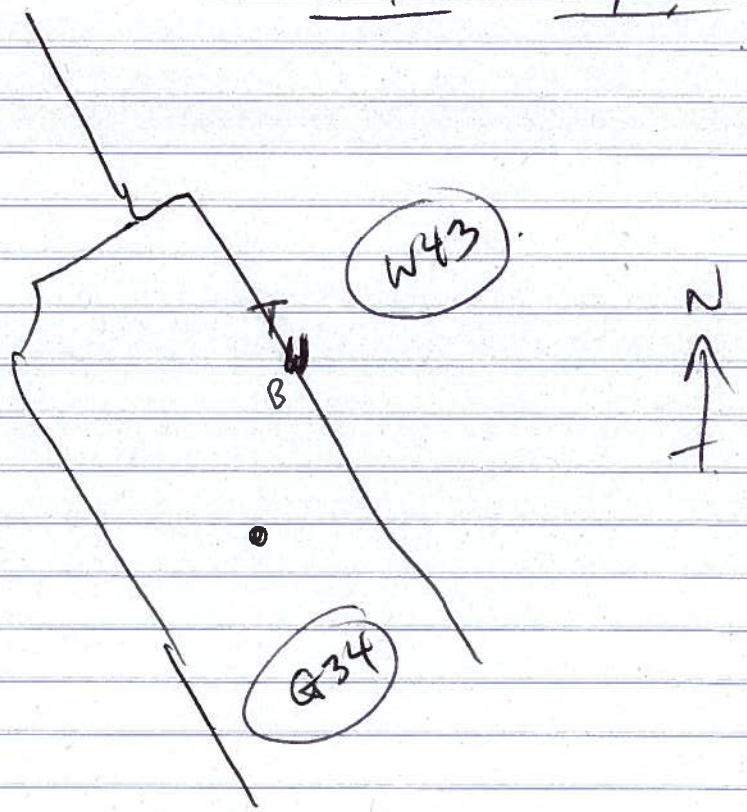
G32 - access from ditch to east of small house next to horses (east)

June 22, 2011
DAY 10



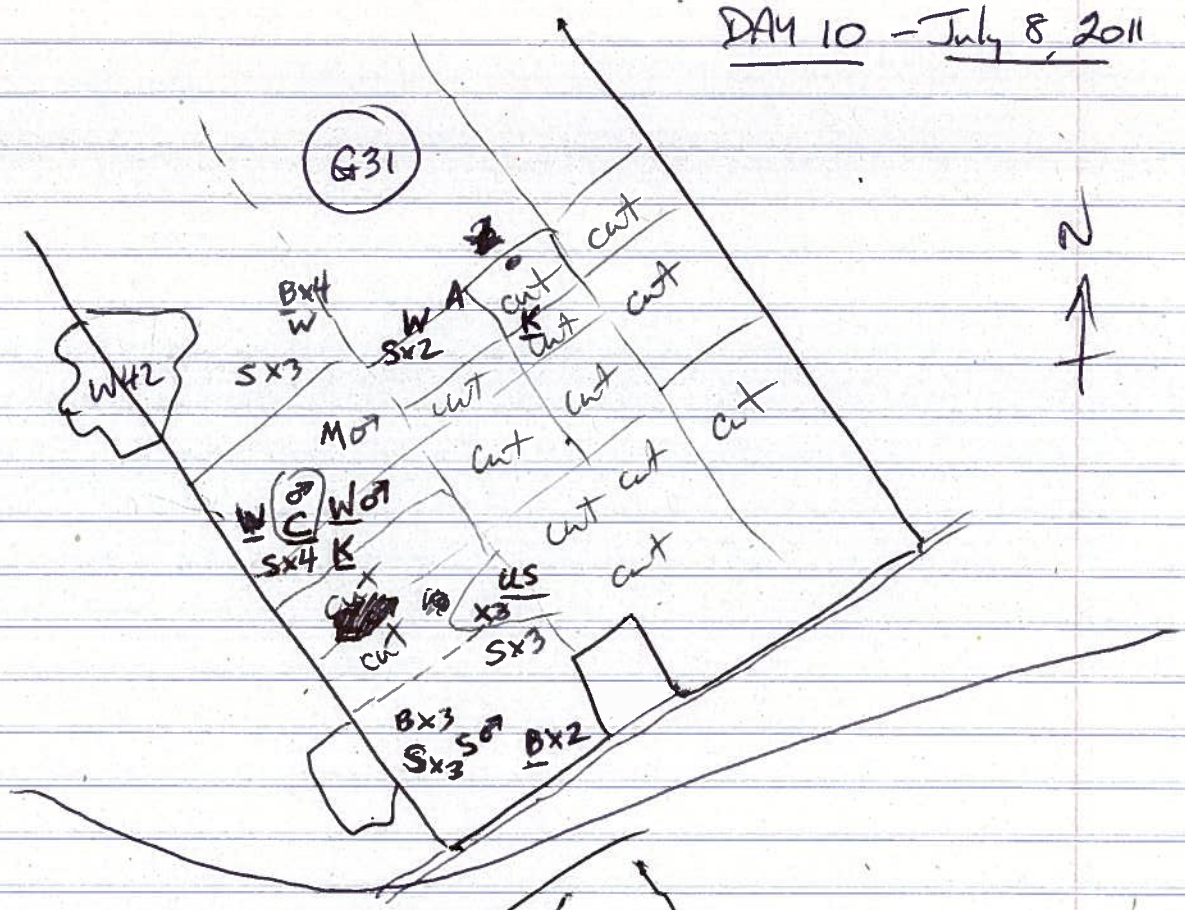

W – Willow Flyc
S – Sav Sparrow
B – Bobolink
M – E Meadowlark

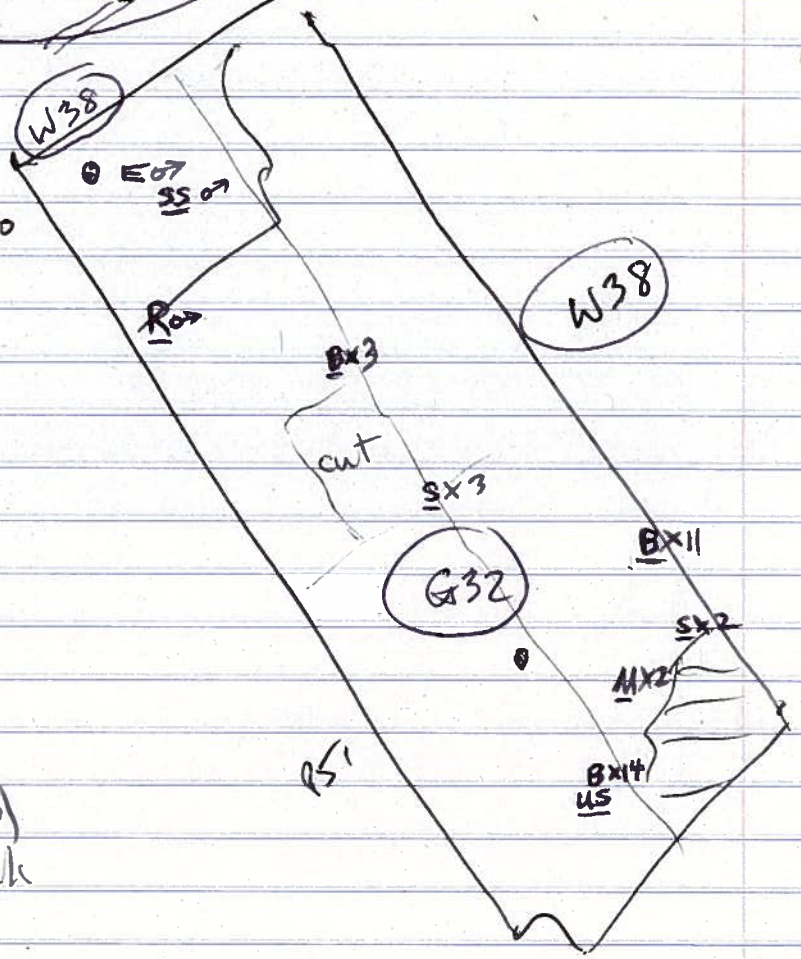
DAY 10 - July 8, 2011




T Brown Thrasher
W Willow Flycatcher
B Bobolink

DAY 10 – July 8, 2011




July 8, 2011

| | |
|---|---|
| S | Sav Sparrow |
| US | Upland Sandpiper |
| C | BB Cuckoo |
| W | Willow Flycatcher |
| K | E Kingbird |
| M | E Meadowlark |
| B | Bobolink |
| A | Am Kestrel (ad ♂) |
| R | Rose-br Grosbeak |
| E | E Wood-Pewee |
| SS | Sapsucker |

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Birding Point Counts Survey Observation Form

Project Number 160960595 Project Name: Amherst

Date July 8, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 20 | 0 | 50 | 0 | 0 |

GPS #: T___

Station: P48 / 269 (G31)

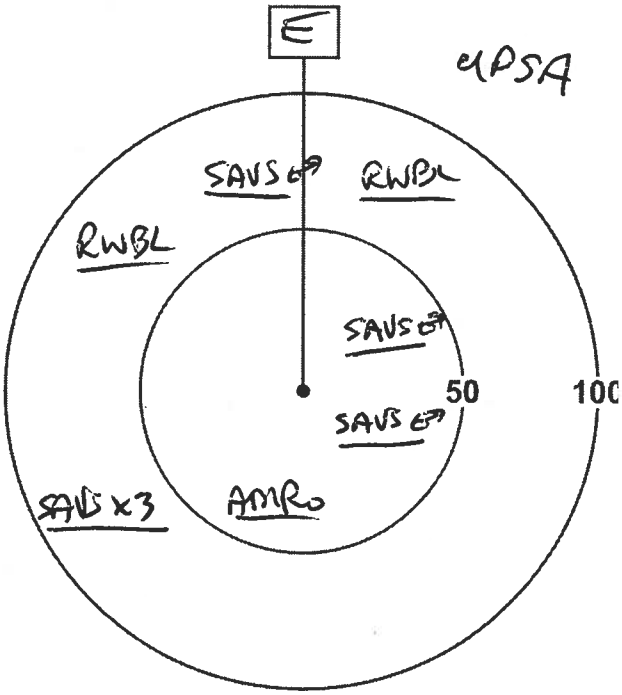
Habitat: ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

UTM: _____

Start Time: 0616

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| BARS | | | | 3 | A |
| BHCO | | | | 1 | A |
| SAVS | 2 | 4 | | | O |
| RWBL | | 2 | | | O |
| AMRO | 1 | | | | O |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




Field with Point Count has been cut + baled

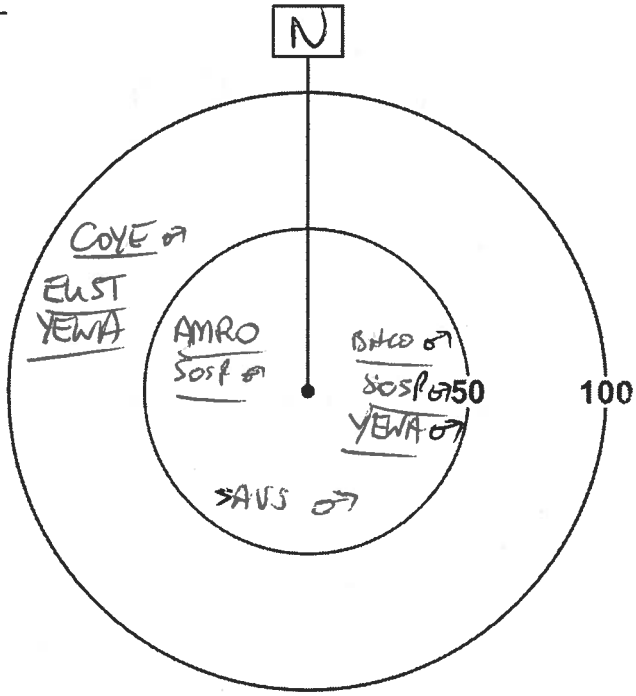
Quality Control: This form is complete (✓) & legible (✓).

Signature: AW (Field Personnel) Signature: _____ (Project Manager)

 REV: May, 07 Form 020

**Station:** P49/ 271 (G31)
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____
**UTM:** _____
**Start Time:** 0722

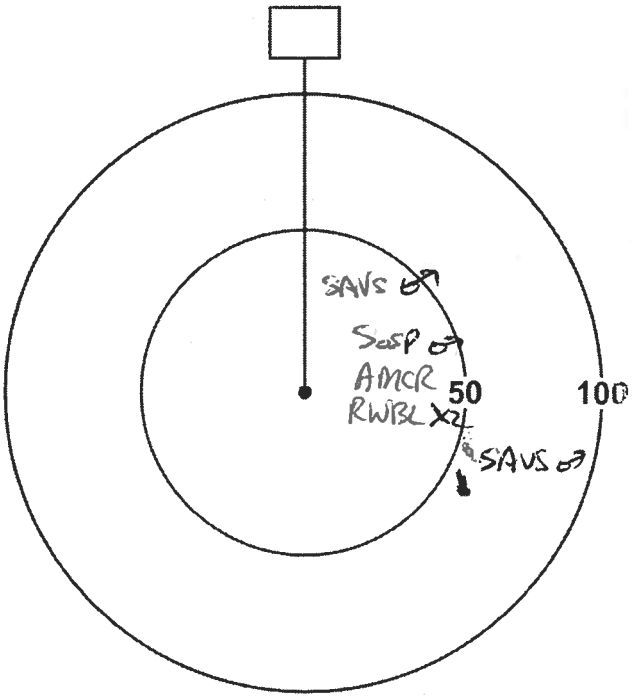
| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| COYE | | 1 | | | O |
| EUST | | 1 | | | A |
| YEWA | | 1 | | | A |
| YEWA | 1 | | | | O |
| SOSP | 2 | | | | O |
| BHCO | 1 | | | | A |
| AMRO | 1 | | | | A |
| SAVS | 1 | | | | O |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |




*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

**Station:** P51 / 273 (G32)
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____
**UTM:** _____
**Start Time:** 0820

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| TRES | | | | 3 | A |
| BARS | | | | 4 | A |
| CLSW | | | | 1 | A |
| SOSP | 1 | | | | O |
| AMCR | 1 | | | | A |
| RWBL | 2 | | | | A |
| SAVS | 1 | 1 | | | O |
| BOBO | | | | 1 | A |
| RBGU | | | | 1 | A |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |




*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

Quality Control: This form is complete (✓) & legible (✓).
Signature: _____ (Field Personnel) Signature: _____ (Project Manager)

 REV: May, 07 Form 020

**Station:** P50 / 275 (W38) + Edge

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0851

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| REVI | | 1 | | | A |
| EAWP | 1 | | | | A |
| HOWR | 1 | 1 | | | O |
| AMRO | 1 | | | | A |
| | | | | | |
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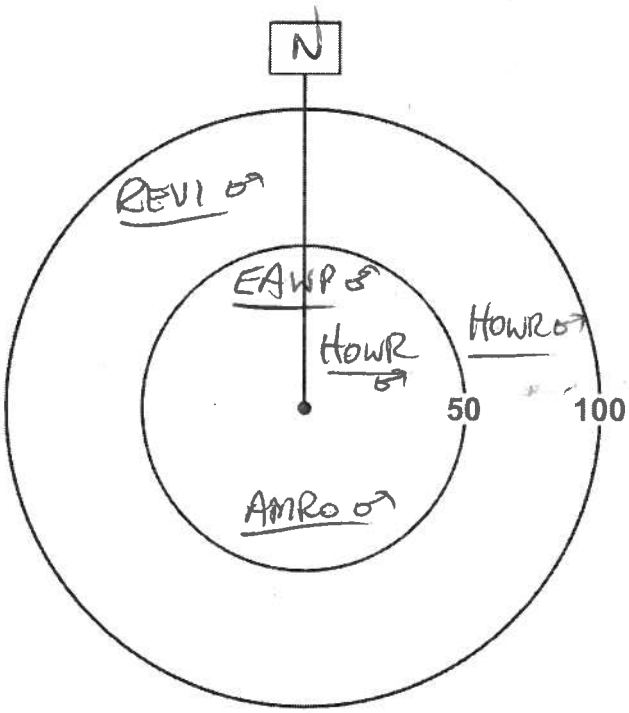
*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




**Station:** P54 / 267 (G34) (W43)

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 1013

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| BOBO | 1 | | | | O |
| YEWA | 1 | | | | O |
| RWBL | | 1 | | | A |
| SOSP | | 1 | | | O |
| | | | | | |
| | | | | | |
| | | | | | |
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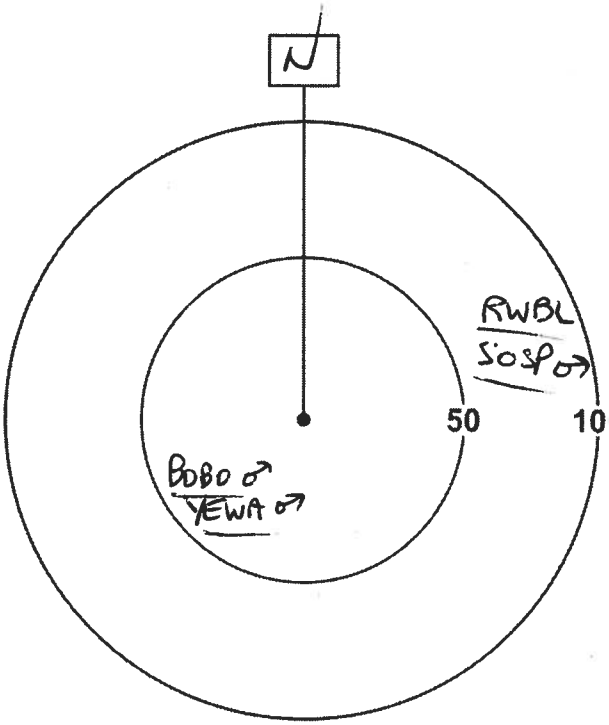
*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel) Signature: _____ (Project Manager)



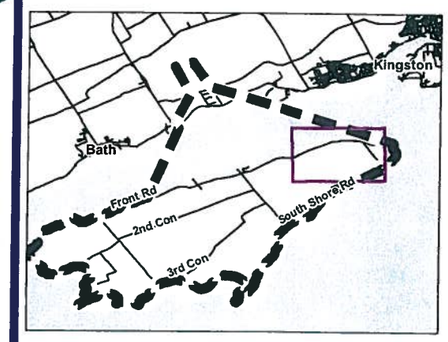
REV: May, 07 Form 020

## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

Stantec

May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

Tile 9

Title

**FIELD MAPBOOK**

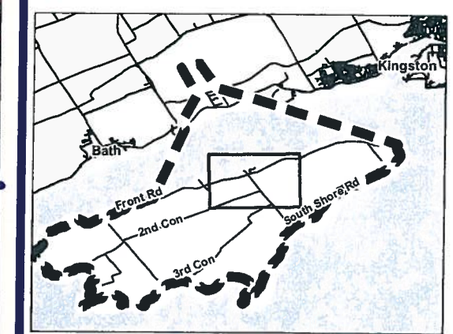
W:\active\160960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd
Revised on: 2011-05-27 By: dhaney

## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

Stantec

May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

Tile 5

Title

**FIELD MAPBOOK**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd
Revised on: 2011-05-27 By: dharvey

# DAY 11

| | | | |
|---|---|---|---|
| P45 | 278 | G29 | 900 m |
| P46 | 279 | W38 (x1) | |
| P53 | 281 | G33 | |
| P52 | 282 | W38 (x2) | |
| P56 | 283 | W43 | |
| P55 | 285 | G36 | |
| | | W45 | |
| | | G35 | |

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 10, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18 | SW (1) | 80 | 0 | 0 |

**Feature No::** G29 **Habitat Type:** _____ **Time Start:** 0550 **Time End:** 0735

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † S | FY |
| T. Vulture | X | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † H | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | FY |
| N. Harrier †‡ H | CF | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. S | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † H A | CF |
| Virginia Rail | | Ea. Phoebe | | European Starling | X | Red-winged Bl. A | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † S | CF |
| Killdeer | | Ea. Kingbird † H | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. H | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | X | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch P | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow H | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 1 of 7

Quality Control: This form is complete ☑ & legible ☑

Signature: AW (Field Personnel)

Signature: [signature] (Project Manager)

Feature No.: W38 Habitat Type: Time Start: 0642 0833 Time End: 0707 ~~0808~~ 0902

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S | | Eastern Towhee † S | T |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture H | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. H | | Veery | | Song Sp. S | |
| N. Harrier †‡ | | No. Flicker † S | | Hermit Thrush ‡ | | Swamp Sp. S | T |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † S | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † S | | Am. Robin H | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. S | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock H | | Red-eyed Vireo S | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | CF | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | H |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | A | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 2 of 7

Signature: AW (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: Kathy S (Project Manager)

REV: 2011-05-27 / FORM 031

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595

Project Name: Amherst

Date: July 10, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20 | SW (2) | 20 | 0 | 0 |

**Feature No::** G33 **Habitat Type:** _____ **Time Start:** 0758 **Time End:** 0908

***Record location of all significant species on site map.*** Meadow Frit – 1 raysod

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † S | FY |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin H | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | FY | Willow Fly. † H | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | H | Red-winged Bl. A | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | P | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † P | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow H | | Pine Wa. ‡ | | | |
| Mourn. Dove | P | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 3 of 7

Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: _____ (Project Manager)

REV: 2011-05-27 / FORM 031

Feature No.: W43 Habitat Type: Time Start: 0910 Time End: 0943

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee H | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren SA | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | |
| N. Harrier †‡ | | No. Flicker † HS | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † S | | Am. Robin | FY | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird S | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | FY | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing H | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle HA | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole H | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | | Baltimore Oriole † | |
| Am. Woodcock H | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay A | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | X | Yel-rumped Wa. ‡ | | Am. Goldfinch H | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Signature: AW (Field Personnel)

Quality Control: This form is complete ☒ & legible ☒

Signature: [illegible] (Project Manager)

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 10, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22 | S (1) | 20 | 0 | 0 |

**Feature No::** G36 **Habitat Type:** _____ **Time Start:** 0943 **Time End:** 1008

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | FY |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | |
| N. Harrier †‡ H | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. S | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | H | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird S | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | X | Willow Fly. † H | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † H | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | FY | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | X |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | X | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | X | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Kathleen St Jean (Project Manager)

REV: 2011-05-27 / FORM 031

Feature No.: W45 Habitat Type: Time Start: 1008 Time End: 1016

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin H | FY | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird H | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † H | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † H | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | FY | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing H | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † H | | Blue-wing. Wa. † | | Co. Grackle H | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. H | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow P | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch P | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Signature: AW (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine St James (Project Manager)

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 10, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 23 | S (1) | 20 | 0 | 0 |

**Feature No::** G35 **Habitat Type:** _____ **Time Start:** 1012 **Time End:** 1022

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin H | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | CF |
| Virginia Rail | | Ea. Phoebe | | European Starling | FY | Red-winged Bl. A | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † H | |
| Killdeer | | Ea. Kingbird † H | | Blue-wing. Wa. † | | Co. Grackle | X |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | X | Blue Jay | X | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | X |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove S | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

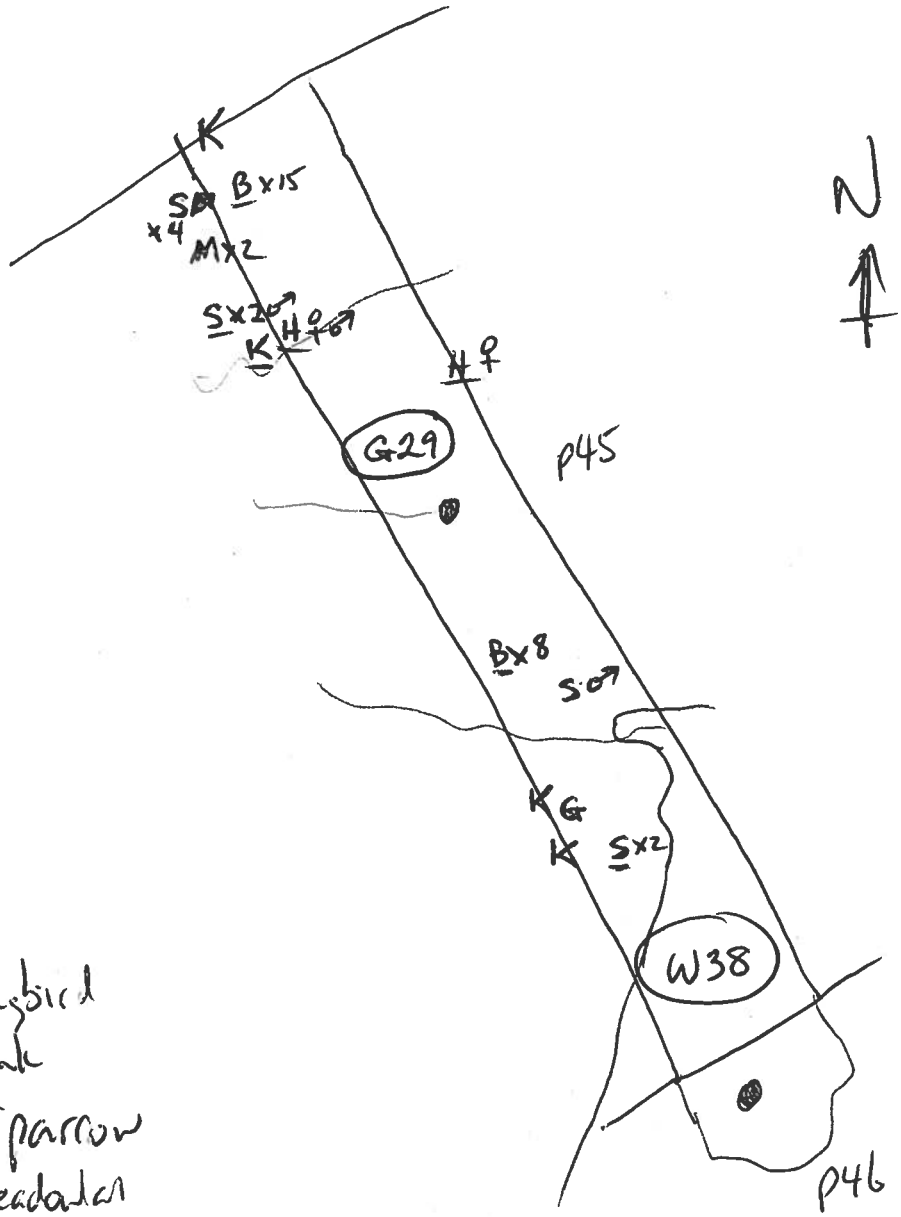
Pg. 7 of 7

Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Kathryn St Jones (Project Manager)

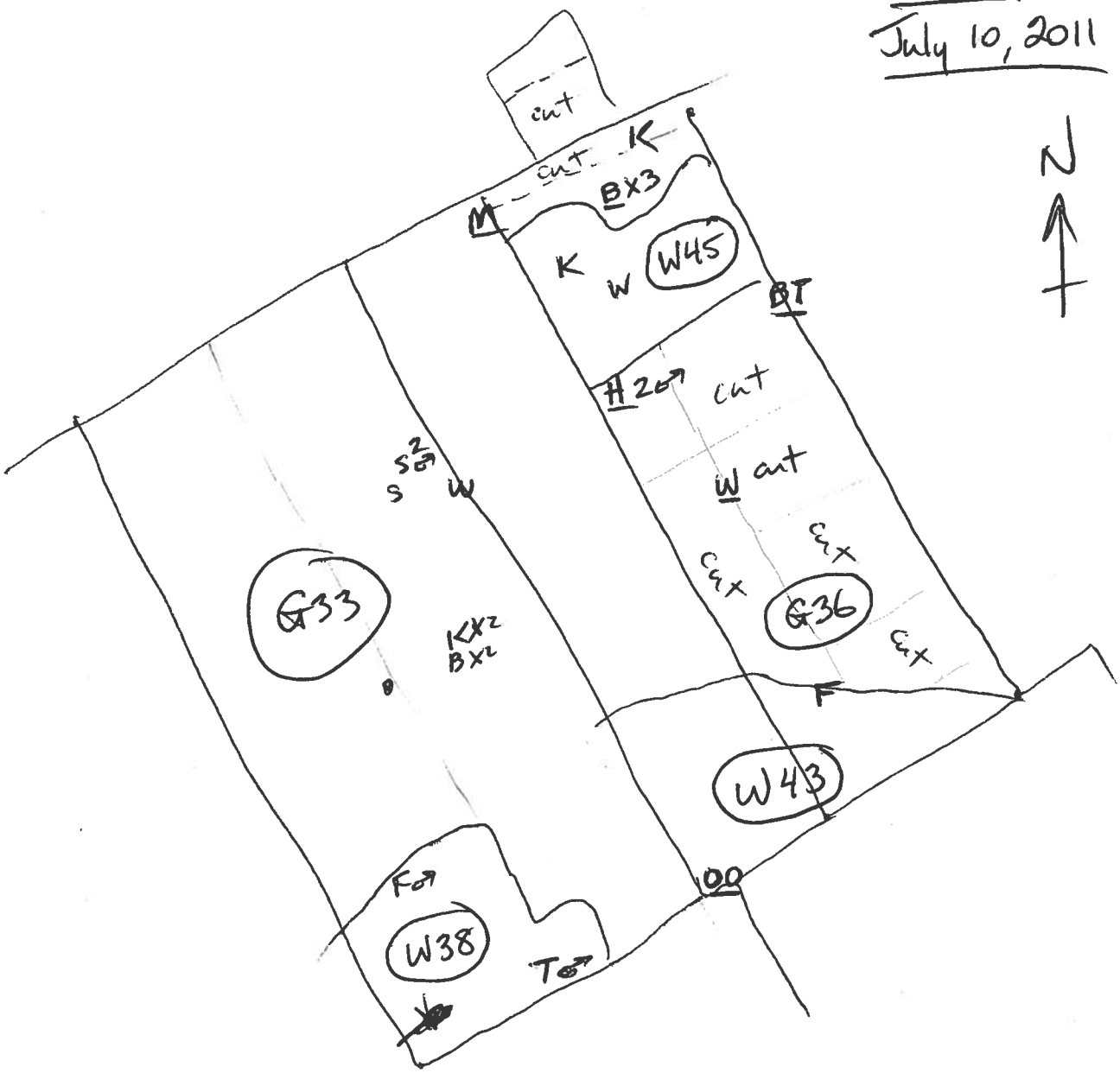
REV: 2011-05-27 / FORM 031




K E Kingbird
B Bobolink
S Sav Sparrow
M E Meadowlark
H N Harrier
G Grasshopper Sparrow

DAY 11 - July 10, 2011

DAY 11
July 10, 2011




W Willow Flycatcher
S Sav Sparrow
B Bobolink
F N Flicker
T E Towhee
OO Orchard Oriole (ad ♂)

H N Harrier
BT Brown Thrasher
K E Kingbird
M E Meadowlark

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Birding Point Counts Survey Observation Form

Project Number 160960595 Project Name: Amherst

Date July 10, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 18 | SW (1) | 70 | 0 | 0 |

GPS #: T___

Station: P45/278 (G29) 900 m

Habitat: ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

UTM: _____

Start Time: 0612

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| NOHA | | 1 | | | A |
| BOBO | 3 | 2 | | | O |
| SAVS | 1 | | | | O |
| | | | | | |
| | | | | | |
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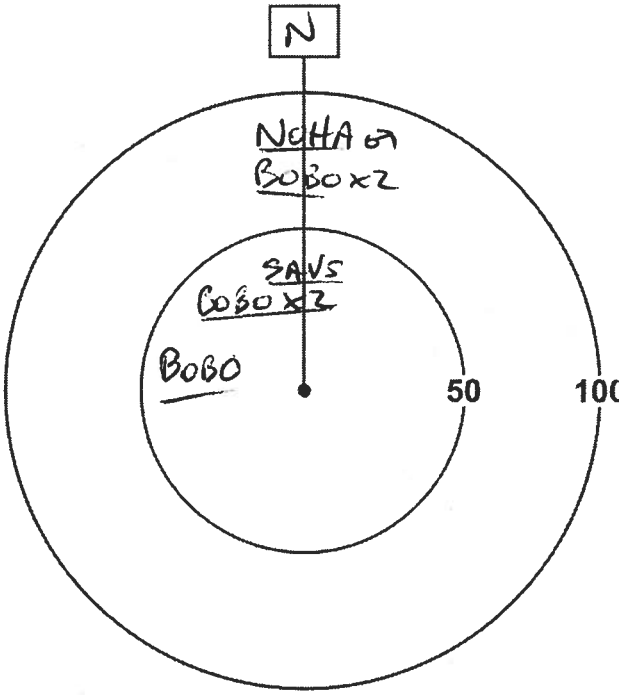


*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel) Signature: Katherine Stokes (Project Manager)

 REV: May, 07 Form 020

**Station:** P46 / 275 (W38) x1

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0648

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| AMGO | | | | 1 | A |
| SWSP | 2 | | | | O |
| COYE | 1 | | | | O |
| HOWR | 1 | | | | O |
| AMRO | 1 | | | | A |
| WOTH | 1 | | | | A |
| SOSP | 1 | | | | O |
| EAWP | | 1 | | | A |
| | | | | | |
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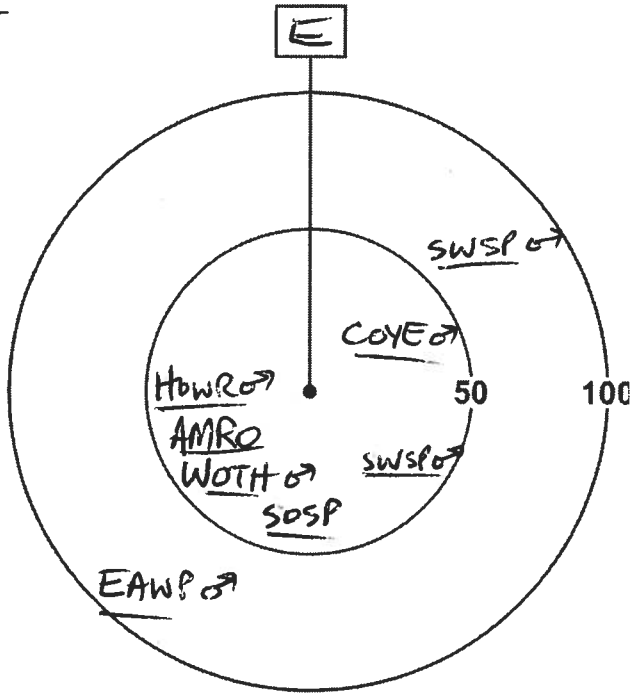
*Height of blade sweep will vary from project to project; Check with Project Manager
O – On ground; A – Below height of blade sweep; B – At height of blade sweep;
C – Above height of blade sweep; D – Well Above the height of blade sweep




**Station:** P53 / 281 (G33)

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0810

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| EUST | | | | 10 | A |
| TRES | | | | 1 | A |
| AMRO | | | | 1 | A |
| MODO | | | | 2 | A |
| CEWA | 1 | | | | A |
| SAVS | 2 | | | | O |
| RWBL | 4 | | | | A |
| EAKI | 1 | 1 | | | A |
| SOSP | 1 | | | | O |
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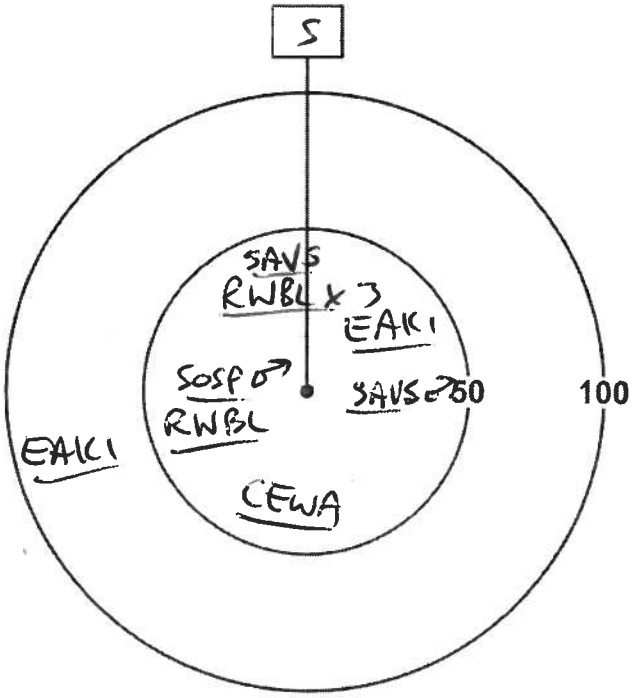
*Height of blade sweep will vary from project to project; Check with Project Manager
O – On ground; A – Below height of blade sweep; B – At height of blade sweep;
C – Above height of blade sweep; D – Well Above the height of blade sweep




Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel)

Signature: Katherine Stokes (Project Manager)



REV: May, 07 Form 020

**Station:** P52 /282 (W38)

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0841

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| WOTH | | 1 | | | O |
| REVI | 1 | 1 | | | A |
| AMRO | 1 | | | | A |
| | | | | | |
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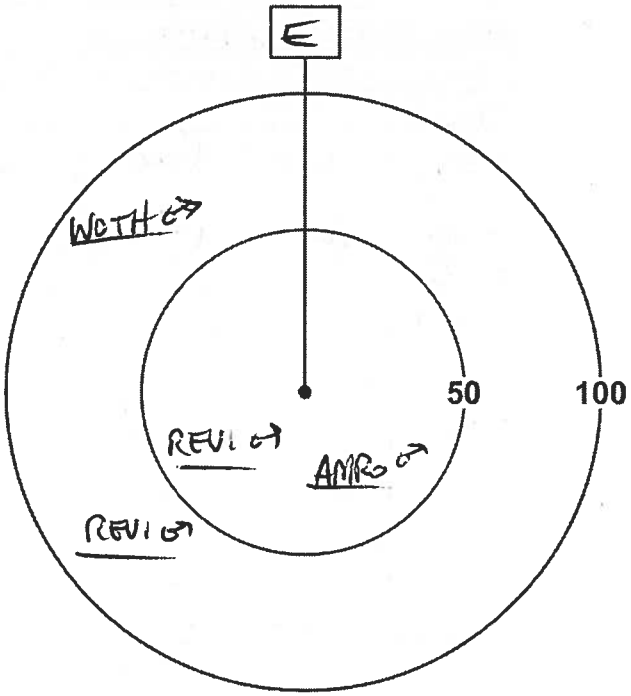
*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




**Station:** P56 /283 (W43)

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0923

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| COGR | 1 | | | | A |
| GRCA | 1 | | | | O |
| BLJA | 1 | | | | A |
| EAWP | | 1 | | | A |
| | | | | | |
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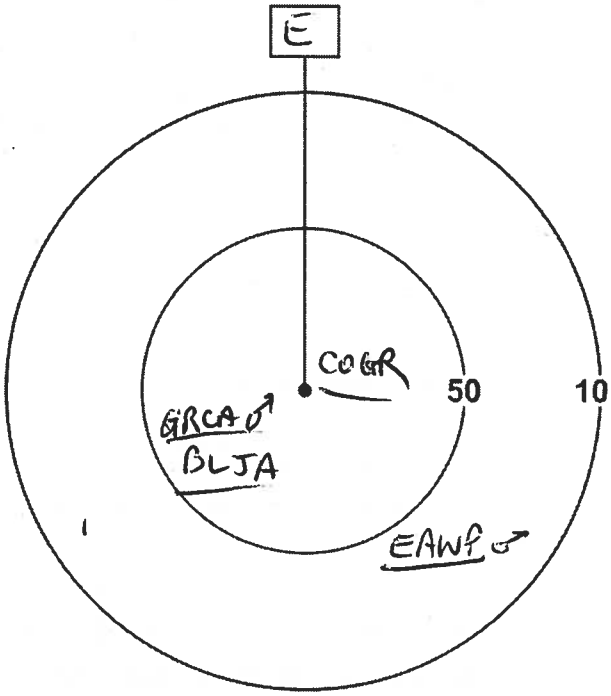
*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)



REV: May, 07 Form 020

**Station:** P55 / 285 (G36)
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____
**UTM:** _____
**Start Time:** 0956

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| TRES | | | | 2 | A |
| BARS | 1 → feeding | | | | A |
| SOSP | 2 | | | | O |
| AMRO | | 1 | | | O |
| EUST | | | | 4 | A |
| AMCR | | | | 2 | A |
| | | | | | |
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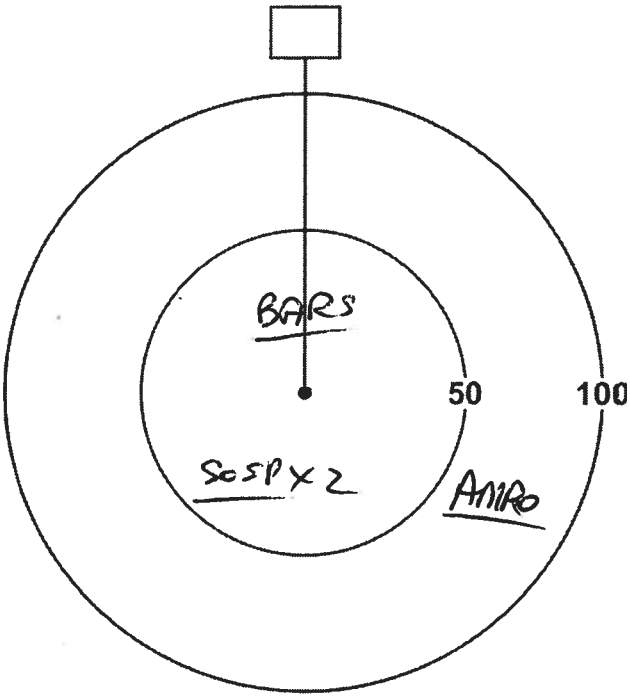


*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

**Station:** _____
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____
**UTM:** _____
**Start Time:** _____

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| | | | | | |
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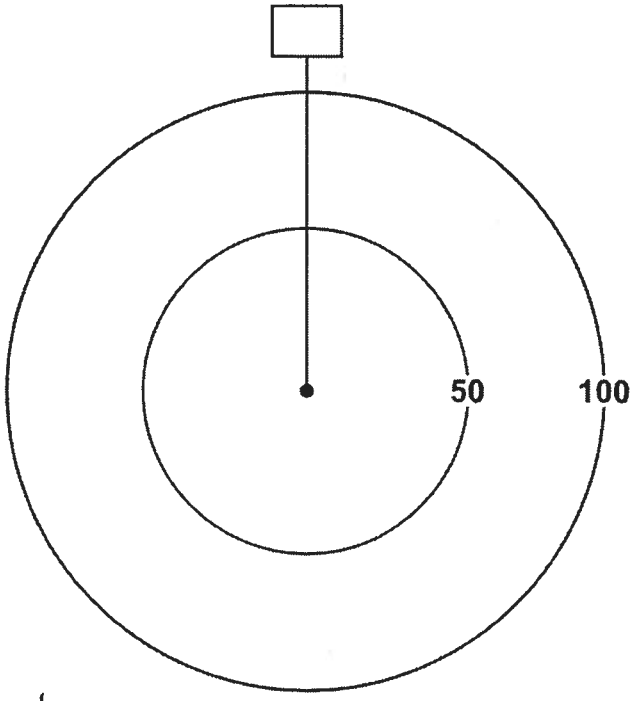



*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep.

Quality Control: This form is complete (✓) & legible (✓).
Signature: _____ (Field Personnel)
Signature: Katherine [illegible] (Project Manager)

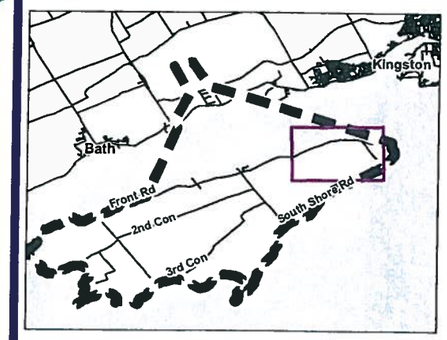

REV: May, 07 Form 020

## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

Stantec

May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

Tile 9

Title

**FIELD MAPBOOK**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd
Revised on: 2011-05-27 By: dhanwu

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 11, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22 | S (1) | 75 | trace 0 | 0 |

Feature No:: G39 Habitat Type: _____ Time Start: 0650 / 0743 Time End: 0655 / 0756

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † H | H |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin H | H | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † S H | S | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | FY |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer H | H | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | S | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove S | S | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 1 of 5

Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Kathryn Stan (Project Manager)

REV: 2011-05-27 / FORM 031

Feature No.: W47 Habitat Type: Time Start: 0646 806 Time End: 0650 809

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl H | H | Bl-capped Chickadee H | H | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S | S | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin H | FY | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † S | S | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † P | P | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo S | S | Yellow Wa. S | S | Baltimore Oriole † H | H |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Signature: AW (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑

Signature: Katherine [illegible] (Project Manager)

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 11, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22 | S (1) | 75 | trace 0 | 0 |

Feature No:: G37 Habitat Type: _____ Time Start: 0700 Time End: 0800

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | N | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † S | FY |
| T. Vulture | X | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | FY |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin SH | FY | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | X | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | FY | Red-winged Bl. | FY |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer A | A | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | X |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. S | S |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo S | S | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch P | P |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | X |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove H | H | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 3 of 5

Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Kathie Fr (Project Manager)

REV: 2011-05-27 / FORM 031

Feature No.: W46 Habitat Type: _____ Time Start: 0737 Time End: 0745

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl H | H | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S | S | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. H | H | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † S | S | Am. Robin S | S | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. S | S |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | CF | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. S | S | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | FY |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † H | H |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 4 of 5

Signature: AW
(Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: [illegible]
(Project Manager)

REV: 2011-05-27 / FORM 031

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 11, 2011 Field Personnel: Alan Worrington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 23 | S (1) | 80 | 0 | trace |

Feature No:: G38 Habitat Type: _____ Time Start: 813 Time End: 0918

nothing cut

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | X | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | X | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † S | FY |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ H | H | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † H | H |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | FY |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ A | A | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | S | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | NU |
| Common Tern | | Purple Mart. | X | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | X | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 5 of 5

Quality Control: This form is complete ☐ & legible ☐.

Signature: AW (Field Personnel)

Signature: [signature] (Project Manager)

REV: 2011-05-27 / FORM 031

DAY 12 – June 26, 2011

– July 11, 2011

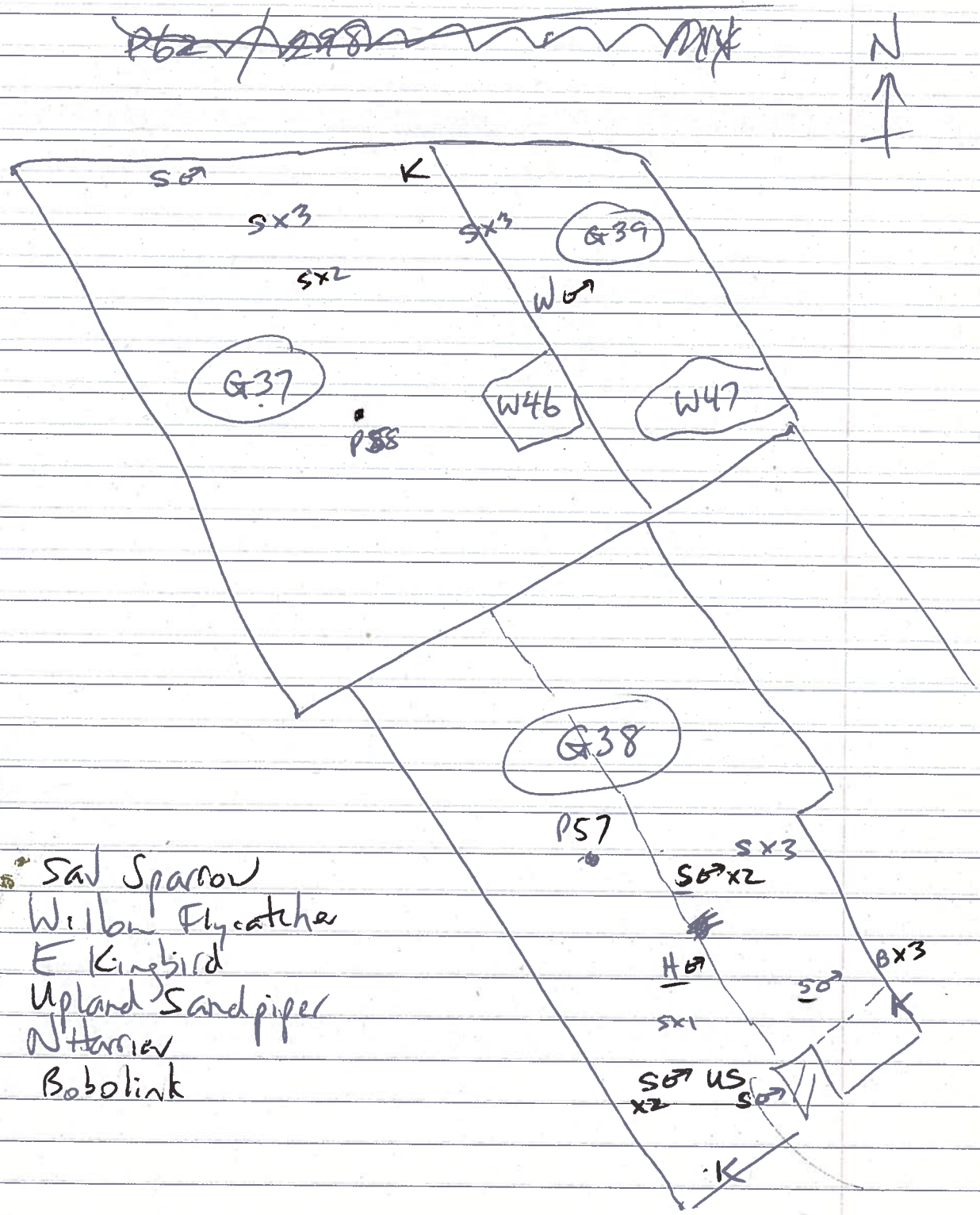
| | | |
|---|---|---|
| P58 | 287 | G37 |
| | | W46 |
| | | ~~G39~~ |
| | | W47 |
| P57 | 288 | G38 |

[ P62 / 298 M4 ]

W47

WAVI S
BAOR H
WIFL S

DAY 12 - July 11, 2011




S Sav Sparrow
W Willow Flycatcher
K E Kingbird
US Upland Sandpiper
H Northern Harrier
B Bobolink

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Birding Point Counts Survey Observation Form

Project Number: 160960595

Project Name: Amherst

Date: July 11, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 22 | S 1 | 85 | 0 | 0 |

GPS #: T___

Station: P58 / 287 G37

Habitat: ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

UTM: _____

Start Time: 0713

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| AMGO | 2 | | | | A |
| RTHA | | | | 1 | A |
| BARS | | | | 1 | A |
| RWBL | | | | 1 | A |
| SAVS | 2 | 3 | | | O |
| EUST | 1 | | | | A |
| AMRO | 1 | | | | A |
| BHCO | 1 | | | | A |
| SOSP | | 1 | | | O |
| | | | | | |
| | | | | | |
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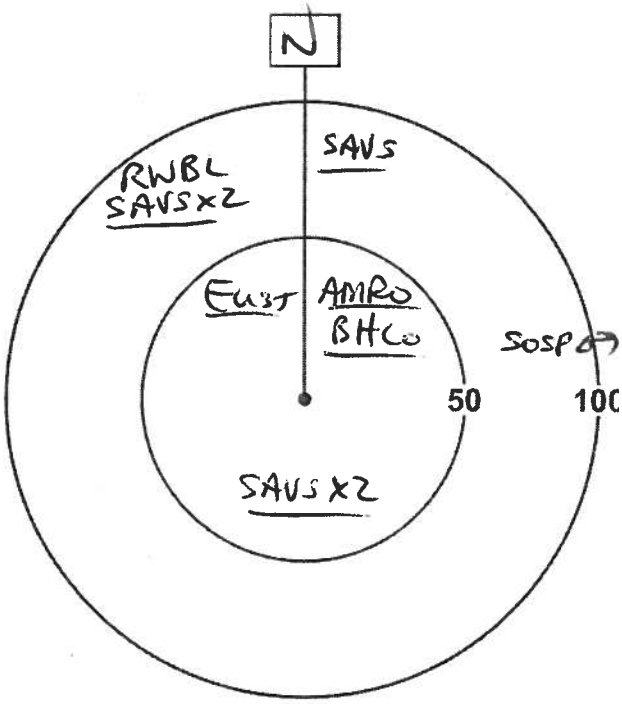
| | | | | | |




*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)

Page _____ of _____

REV: May, 07 Form 020

**Station:** P57 / 288 (G38)
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____
**UTM:** _____
**Start Time:** 0830

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| RBGU | | | | 2 | A |
| PUMA | | | | 1 | A |
| RWBL | | 1 | | | O |
| SAVS | 1 | | | | O |
| BOBO | | 1 | | | O |
| TRES | | | | 2 | A |
| | | | | | |
| | | | | | |
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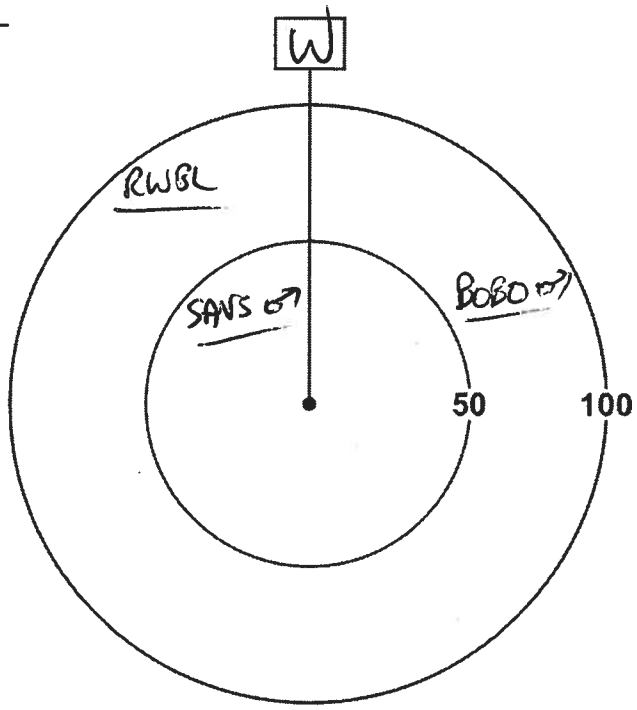


*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

**Station:** _____
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____
**UTM:** _____
**Start Time:** _____

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
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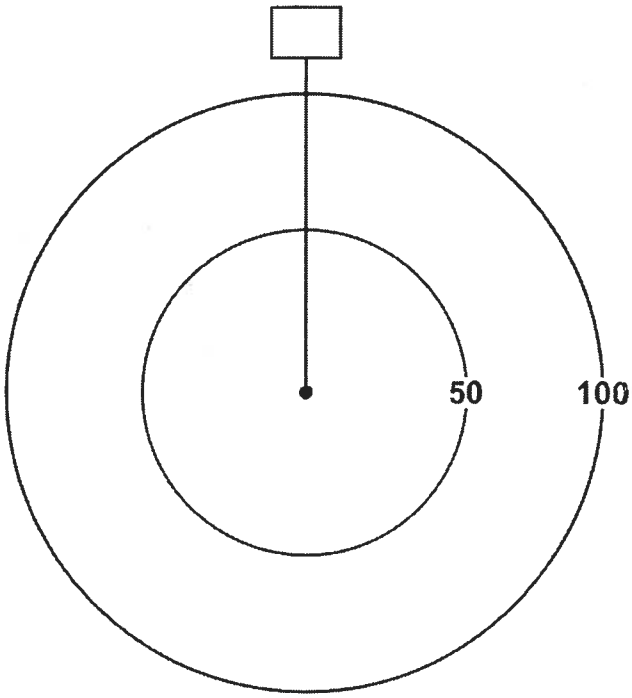
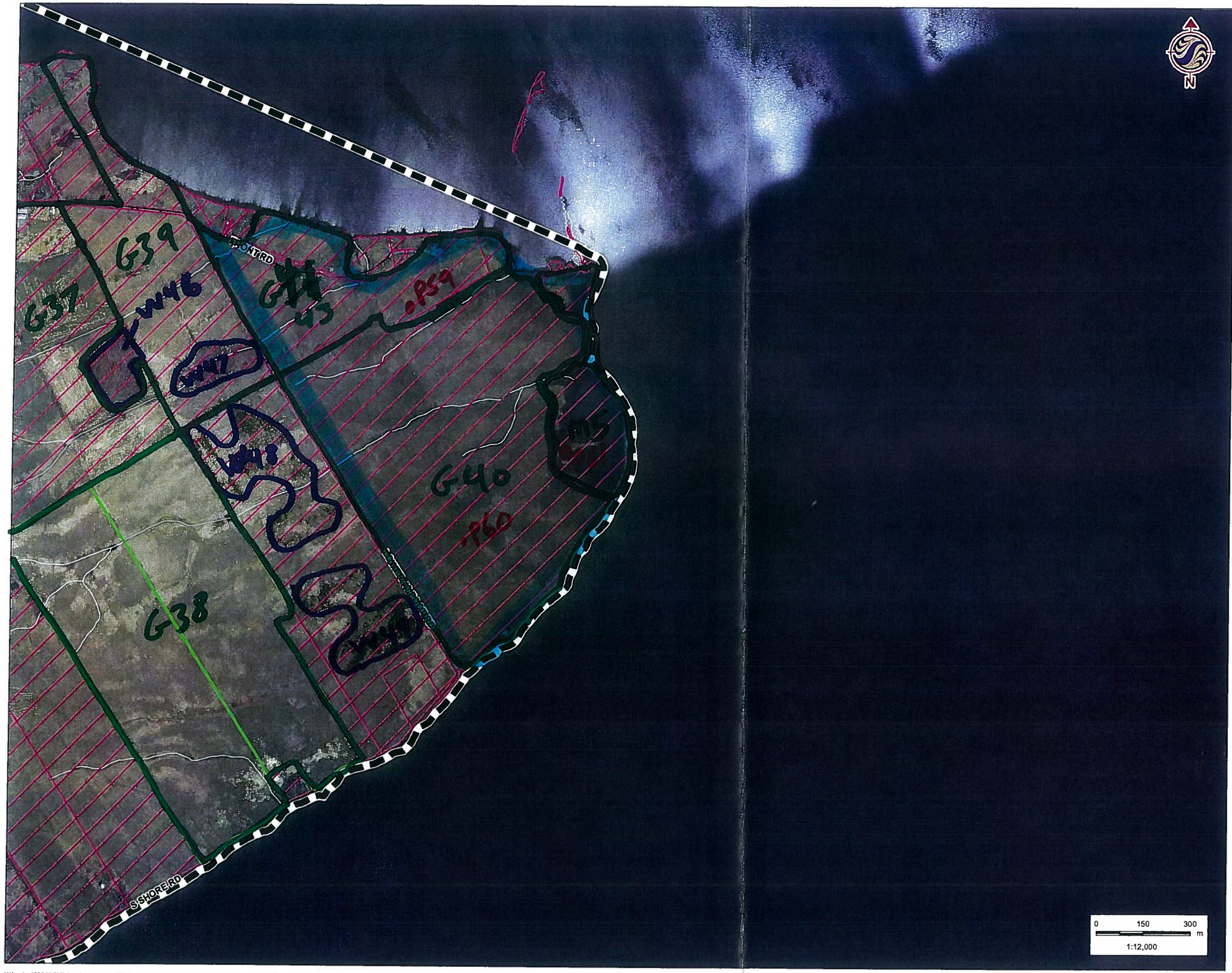



*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

Quality Control: This form is complete (✓) & legible (✓).
Signature: _____ (Field Personnel)
Signature: Katherine [illegible] (Project Manager)

Page _____ of _____
REV: May, 07 Form 020

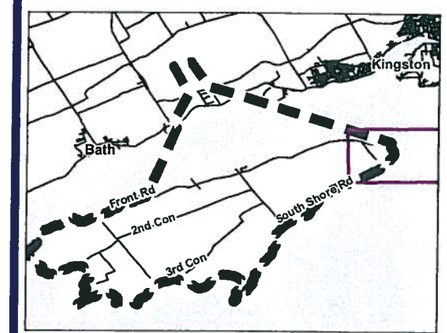



## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

Stantec

May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

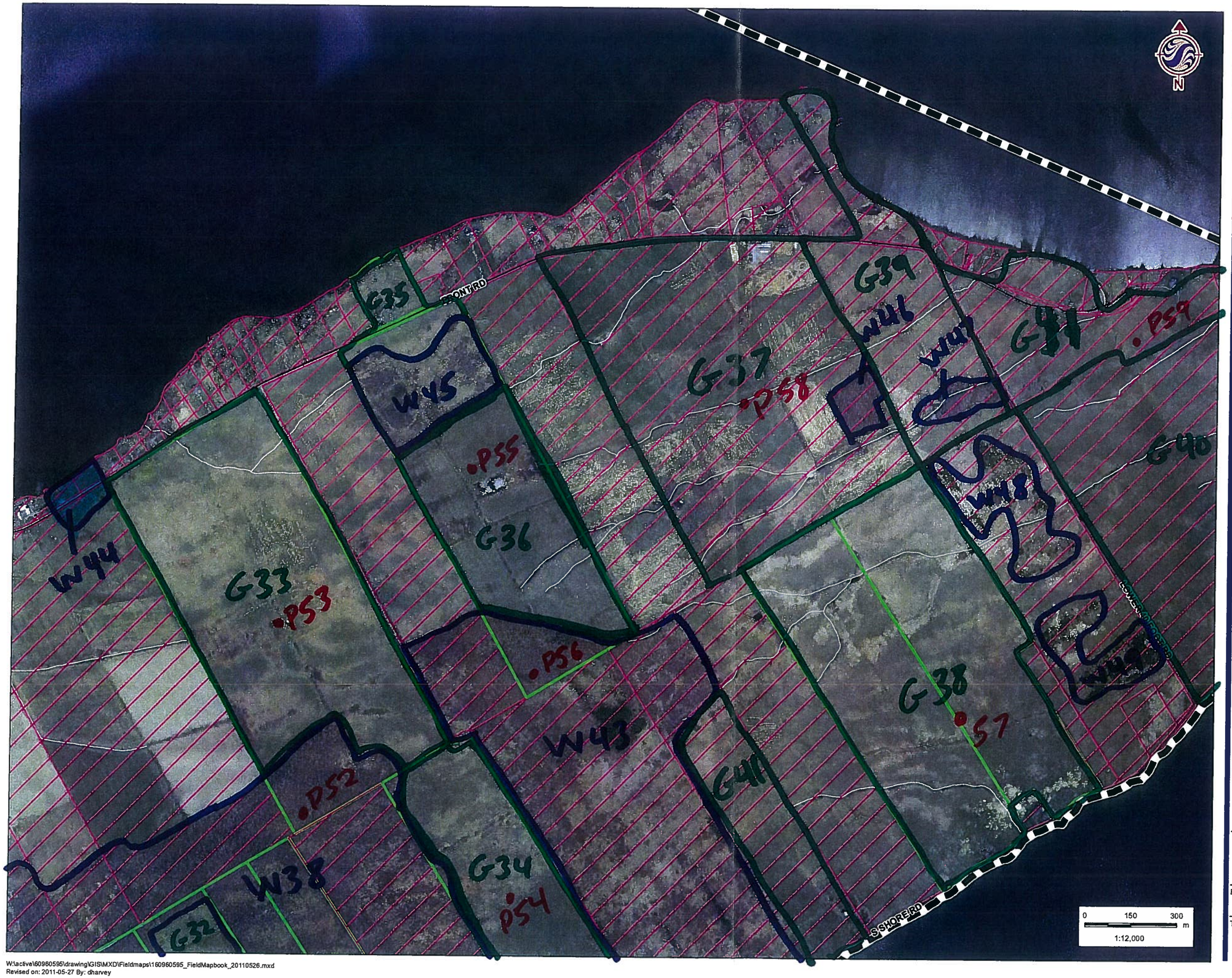
Figure No.

Tile 10

Title

**FIELD MAPBOOK**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd
Revised on: 2011-05-27 By: dharvey

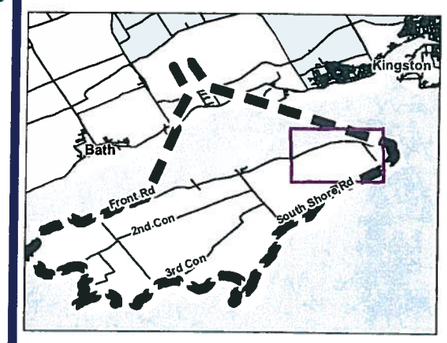



## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

Stantec

May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

Tile 9

Title

**FIELD MAPBOOK**

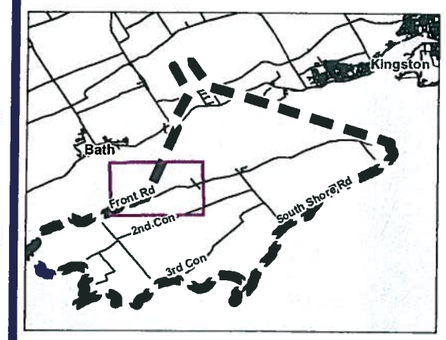
W:\active\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd
Revised on: 2011-05-27 By: dharvey

## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

Stantec

May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

Tile 4

Title

**FIELD MAPBOOK**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd
Revised on: 2011-05-27 By: dharvey

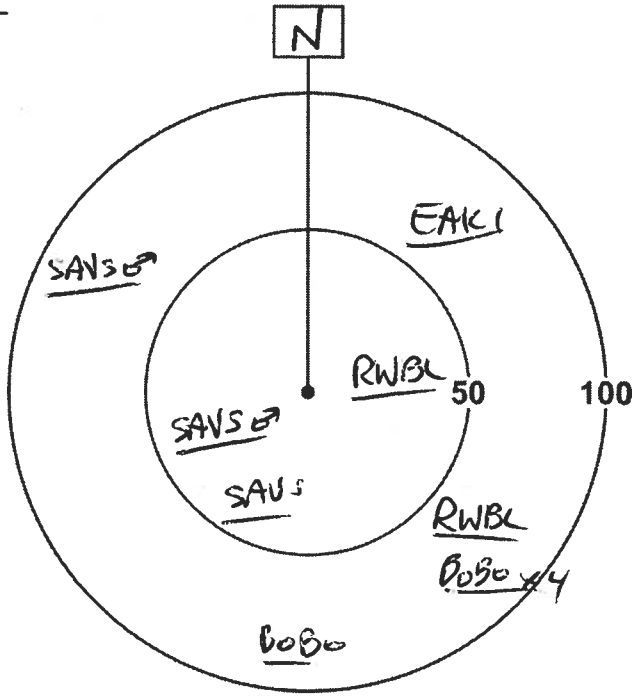
**Station:** P60 / 294 (G40)

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0758

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| Feeding { BARS | 3 | | | | A |
| TREs | 4 | | | | A |
| SAVS | | | | 1 | A |
| SAVS | 2 | 1 | | | O |
| EAKI | | 1 | | | O |
| RWBL | 1 | 1 | | | A |
| BOBO | | 5 | | | O |
| PUMA | | | | 2 | A |
| | | | | | |
| Eastern Garter-Snake (1) | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |




*Height of blade sweep will vary from project to project; Check with Project Manager
O – On ground; A – Below height of blade sweep; B – At height of blade sweep;
C – Above height of blade sweep; D – Well Above the height of blade sweep

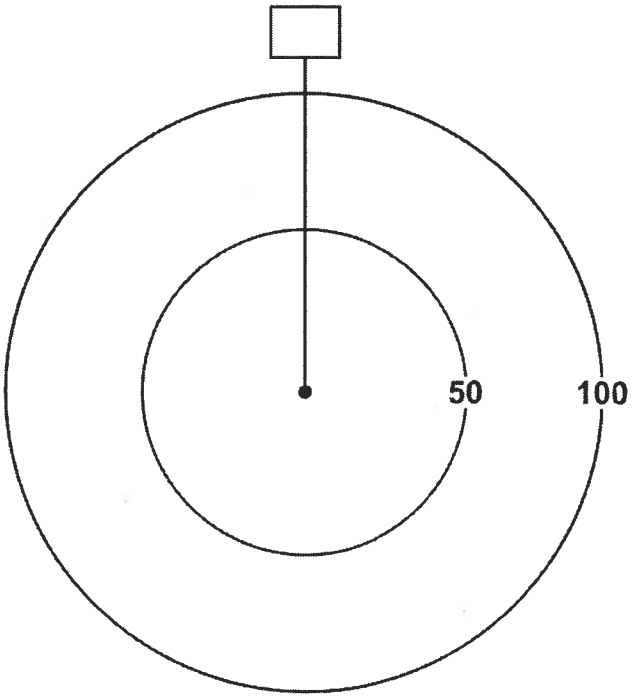
**Station:** P61 / 302 (M5)

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0825

| | Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|---|
| 1 | HERG | | 1 | | | O |
| 1 | RBGU | | 1 | | | O |
| 5 | GADW | | 5 | | | O |
| 1 | CAGO | | 1 | | | O |
| 11 | WISN | | 2 | | | O |
| 11 | LEYE | | 2 | | | O |
| 11 | KILL | | 5 | | | O |
| 5 | EUST | | 5 | | | O |
| 11 | SPSA | | 3 | | | O |
| 11 | WIPH | | 4 | | | O |
| 1 | GWTE | | 1 | | | O |
| 11 | MALL | | 3 | | | O |
| | SAVS | | 5 | | | O |
| | MAWR | | 1 | | | O |
| | LESA | | 3 | | | O |




*Height of blade sweep will vary from project to project; Check with Project Manager
O – On ground; A – Below height of blade sweep; B – At height of blade sweep;
C – Above height of blade sweep; D – Well Above the height of blade sweep

Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel) AW

Signature: _____ (Project Manager)



REV: May, 07 Form 020

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Birding Point Counts Survey Observation Form

Project Number: 160960595 Project Name: Amherst

Date: July 9, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | Temp: 20 | Wind: N (1) | Cloud: 0 | PPT: 0 | PPT in last 24 hrs: 0 |
|---|---|---|---|---|---|

GPS #: T___

Station: P59/291 (G41)

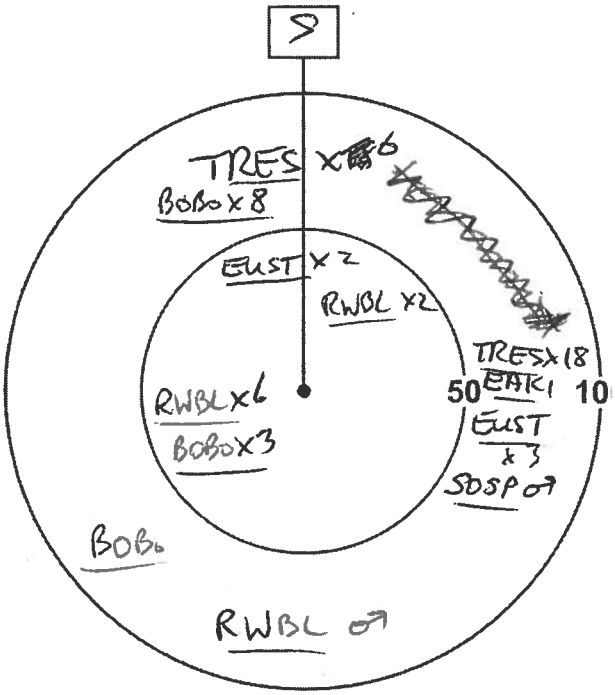
Habitat: ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

UTM: _____

Start Time: 0707

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| TRES | | 18 | | | A |
| TRES | | 6 | | | O |
| EAKI | | 1 | | | A |
| BOBO | 3 | 9 | | | O |
| EUST | 2 | 3 | | | A |
| RWBL | 8 | 1 | | | A |
| BARS | | | | 4 | A |
| SOSP | | 1 | | | O |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

*Height of blade sweep will vary from project to project; Check with Project Manager
O – On ground; A – Below height of blade sweep; B – At height of blade sweep;
C – Above height of blade sweep; D – Well Above the height of blade sweep




18 Tree Swallow – feeding in lee of large trees

Quality Control: This form is complete (✓) & legible (✓).

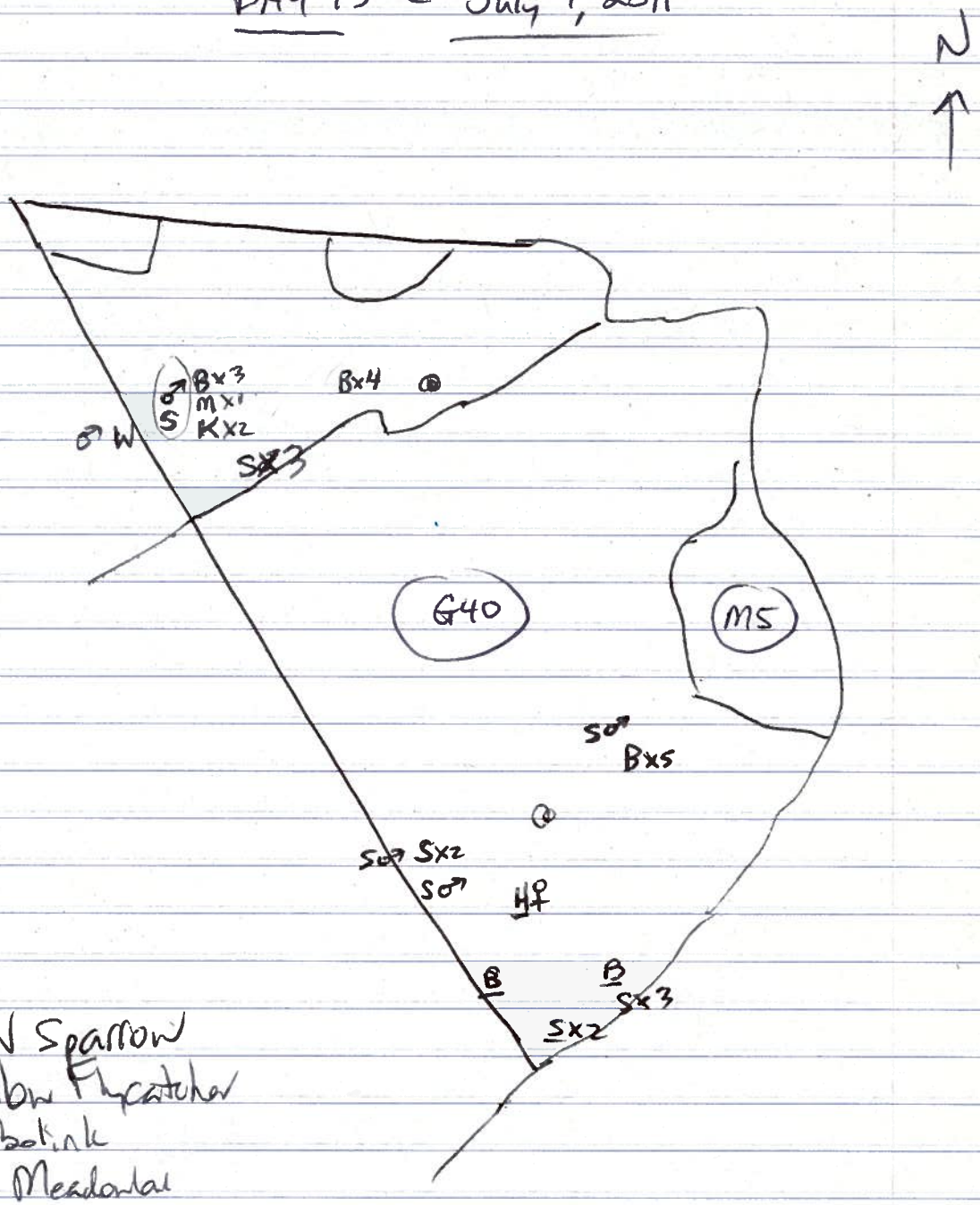
Signature: _____ (Field Personnel) AW

Signature: _____ (Project Manager)



REV: May, 07 Form 020

# DAY 13 – July 9, 2011




S Sav Sparrow
W Willow Flycatcher
B Bobolink
M E Meadowlark
K E Kingbird
H N Harrier

**Feature No.:** M5 **Habitat Type:** _____ **Time Start:** 0820 **Time End:** 0902

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose H | FY | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard H | H | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern H | H | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | X | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | X | Red-headed Wo** † | | Marsh Wren ~~IIII~~ 6♂ | T | Field Sp. † | |
| Gr. Egret | X | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | X | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | FY |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † H | H |
| Virginia Rail | | Ea. Phoebe | | European Starling | X | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | FY | Ea. Kingbird † | NE | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | FY | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe S H | DD | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | X | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | X | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | X | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | X | Pine Wa. ‡ | | GW Teal | X |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | Gadwall | X |

* *Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

W Phalarope FY
Black cr. N Heron X
→ 3 adults + 1 imm

2 Yellowlegs – Migrant (2) X
Least Sandpiper – " (3) X

Wilson's Phalarope – only one (!) adult still present, all others have migrated south; a total of (4) flying juveniles present.

Pg. 6 of 6

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** AW (Field Personnel)

**Signature:** [signature] (Project Manager)

REV: 2011-05-27 / FORM 031

**Stantec Consulting Ltd.**
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 9, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20 | N (1) | 0 | 0 | 0 |

**Feature No::** G40 **Habitat Type:** _____ **Time Start:** 0750 **Time End:** 0922

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | FY | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † S | FY |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| * Osprey | NY | Hairy Wo. | | Veery | | Song Sp. | |
| N. Harrier †‡ H | H | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | FY |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | FY |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull (shore) | H | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | NY |
| Common Tern | | Purple Mart. H | N | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | FY | Pine Wa. ‡ | | Gadwall (shore) | X |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | W Phalarope H | A |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 5 of 6

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** AW (Field Personnel)

**Signature:** Kathrine [illegible] (Project Manager)

* Osprey – At least 1 small young

REV: 2011-05-27 / FORM 031

Feature No.: G41/G43 Habitat Type: Time Start: 0645 Time End: 0735

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † S | S |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † S | S | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † CF P | CF |
| Virginia Rail | | Ea. Phoebe | | European Starling 1 | FY | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † H | H |
| Killdeer H | H | Ea. Kingbird † P H | P | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | S | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H | H |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | FY | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Woods opposite
WAVI S
BAOR H
WIFL S

Pg. 4 of 6

Signature: AW (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: Kathe [illegible] (Project Manager)

REV: 2011-05-27 / FORM 031

**Stantec Consulting Ltd.**
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 9, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18 | N (1) | 0 | 0 | 0 |

**Feature No::** W44 **Habitat Type:** _____ **Time Start:** 0623 **Time End:** 0632

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

Am Redstart – adult ♂♂

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ S | S |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S | S | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | FY |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † S | S | Am. Robin P | P | No. Cardinal S | S |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling H | H | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo S | S | Yellow Wa. S | S | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay H | H | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H | H |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove S | S | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☑ & legible ☐.

**Signature:** _____ (Field Personnel)

**Signature:** _____ (Project Manager)

REV: 2011-05-27 / FORM 031

**Feature No.:** W22 **Habitat Type:** **Time Start:** 0548 **Time End:** 0612

***Record location of all significant species on site map.*** ● North Section

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee S H | FY | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † ● S | S |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin S | S | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird S | S | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † H | P | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † H | H |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. H ● | H | Purple Finch | |
| Ring-b. Gull | | Blue Jay H | H | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove S | S | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Brown Thrasher – S end at intersection with main road
Field Sparrow – N section, West of laneway
Baltime Oriole – S end at intersection with main (paved) road



Quality Control: This form is complete ☐ & legible ☐.

**Signature:** AW (Field Personnel)

**Signature:** Katherine St Jean (Project Manager)

REV: 2011-05-27 / FORM 031

**Stantec Consulting Ltd.**
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 9, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 16 | N (1) | 0 | 0 | 0 |

**Feature No::** W23 **Habitat Type:** _____ **Time Start:** 0536 **Time End:** 0545

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin S | S | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird S | S | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. H | H |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H | H |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove S | S | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☑ & legible ☑

**Signature:** AW (Field Personnel)

**Signature:** Katrine (Project Manager)

REV: 2011-05-27 / FORM 031

# DAY 13

| | | |
|---|---|---|
| | | W44 ✓ |
| | | W23 ✓ |
| | | W22 ✓ |
| P59 | 291 | G41 ✓ |
| P60 | 294 | G40 |
| P61 | 302 | M5 |

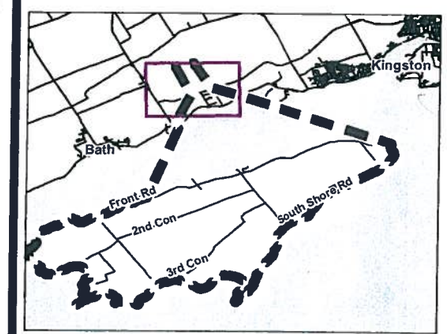
Do P61 at a distance, before flushing birds

## Legend

- Study Area
- Road
- Watercourse
- Amphibian Station

**Property Status**

- Optioned
- Not Optioned




## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
3. Imagery Source: First Base Solutions ©, 2011. Imagery Date: 2008

Stantec

May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

Tile 11

Title

**FIELD MAPBOOK**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbook_20110526.mxd
Revised on: 2011-05-27 By: dharvey

DAY 14 – June 27, 2011

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | P62 | | | 298 | | M4 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | P1 | | | 301 | | G1, W2 |
| 1st → | | | P2 | | | 299 | | W2 |
| | | | | | | | | W1 |
| | | | | | | | | G2 |

* *Height of blade sweep varies from project to project; check with project manager.*

**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display

Pg. ____ of ____

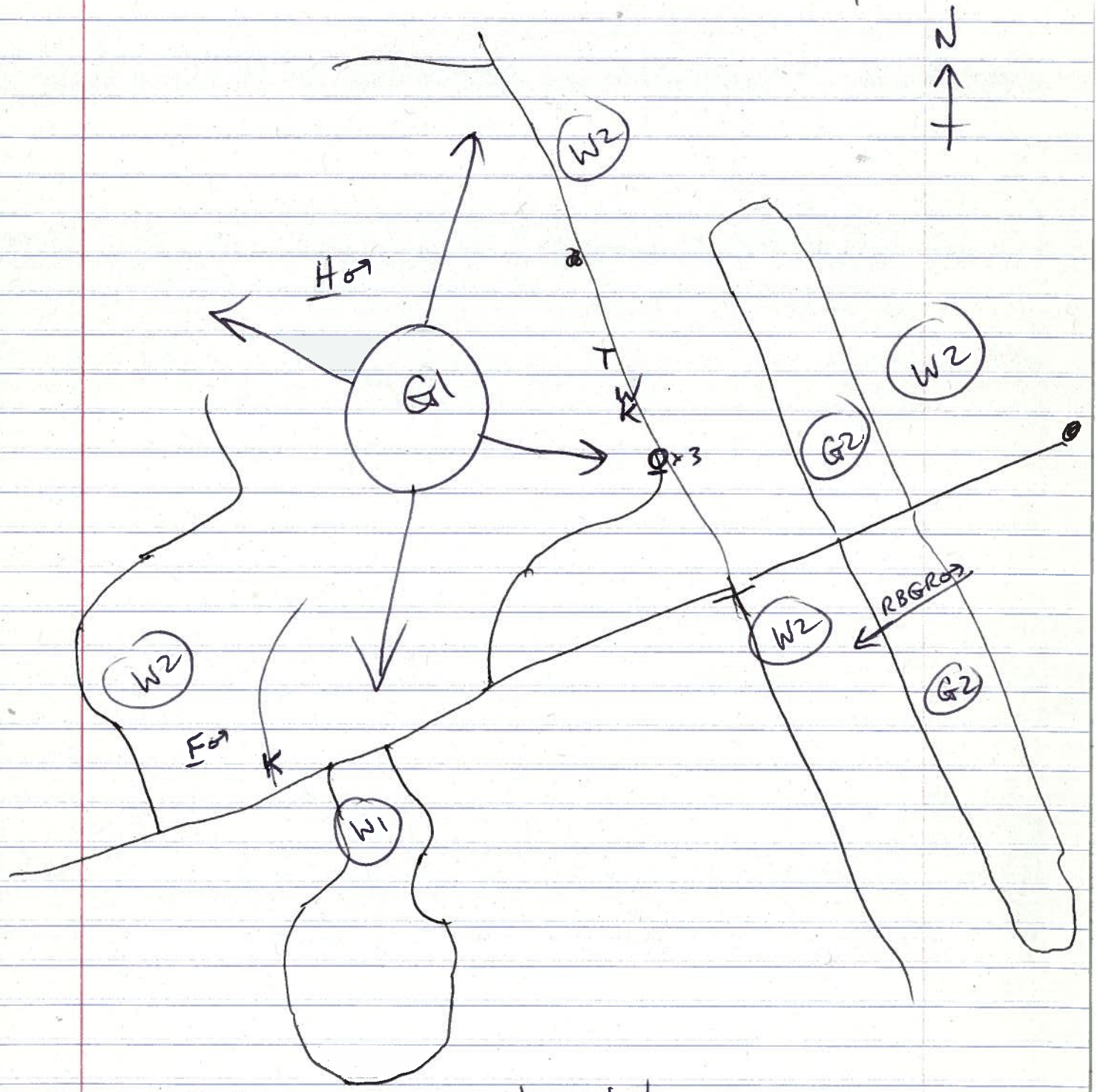
Quality Control: This form is complete ❑ & legible ❑.

**Signature:** _____ (Field Personnel)

**Signature:** _____ (Project Manager)

REV: 2011-05-06 / FORM 036-b

DAY 14 – July 12, 2011




F Field Sparrow
K E Kingbird
O B Oriole
W Willow Flycatch
T Brow-Thrashe

H N Harrier

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Birding Point Counts Survey Observation Form

Project Number 160960595 Project Name: Amherst

Date July 12, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 23 | S (1) | 100 | 0 | 0 |

GPS #: T___

**Station:** P2/ 299 (W2)

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0630

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| COYE | 1 | 1 | | | O |
| SOSP | 1 | 1 | | | O |
| | | | | | |
| | | | | | |
| | | | | | |
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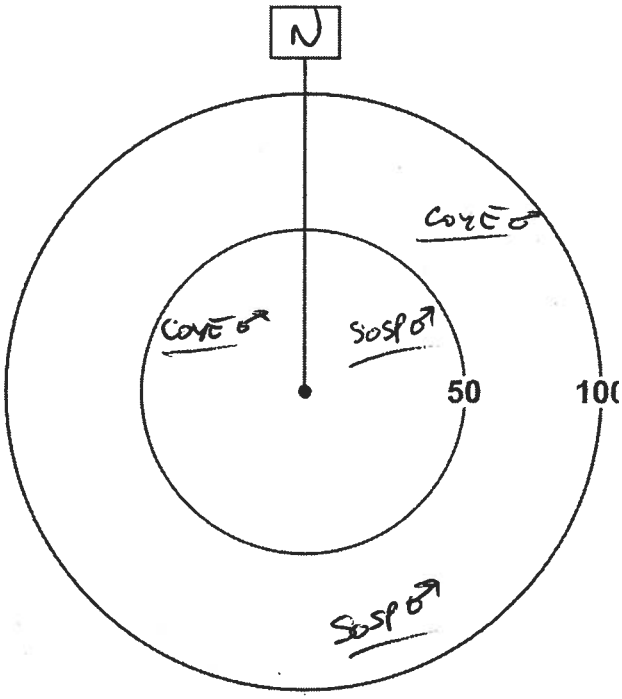
| | | | | | |

*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel) Signature: Katherine St James (Project Manager)

Page 1 of 2

REV: May, 07 Form 020

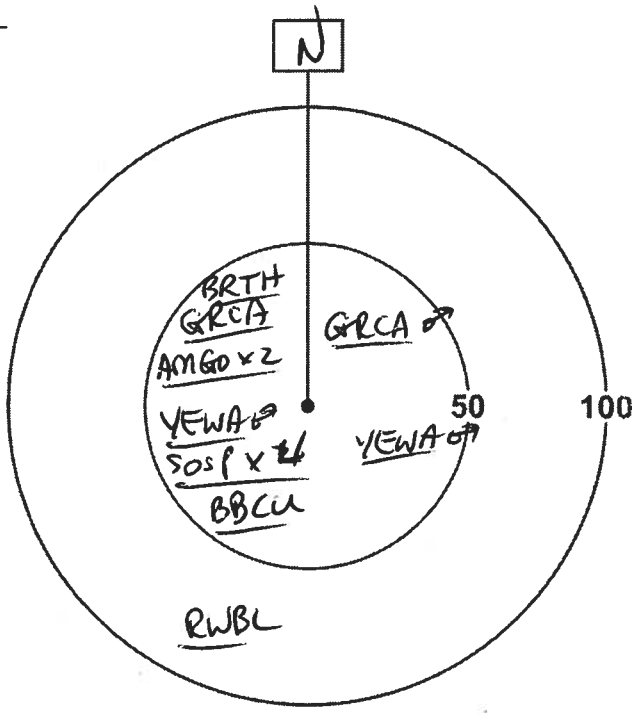
**Station:** P1 / 301 (G1) (W2)

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 0737

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| BHCO | | | | 2 | A |
| AMGO | 2 | | | | O |
| GRCA | 2 | | | | O |
| YEWA | 2 | | | | O |
| SOSP | 4 | | | | O |
| RWBL | | 1 | | | O |
| BRTH | 1 | | | | O |
| BBCU | 1 | | | | O |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |




*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

**Station:** _____

**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** _____

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
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| | | | | | |
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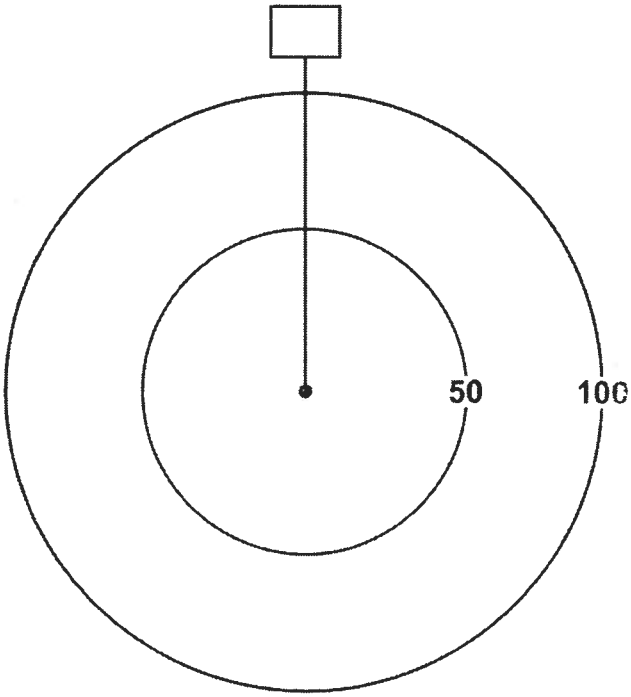



*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep

Quality Control: This form is complete (✓) & legible (✓)

Signature: _____ (Field Personnel)

Signature: Katherine St Jones (Project Manager)



REV: May, 07 Form 020

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Birding Point Counts Survey Observation Form

Project Number 160960595 Project Name: Amherst

Date July 11, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | Temp: 22 | Wind: S (1) | Cloud: 60 | PPT: 0 | PPT in last 24 hrs: 0 |
|---|---|---|---|---|---|

GPS #: T___

**Station:** A P62 / 298 (M4)

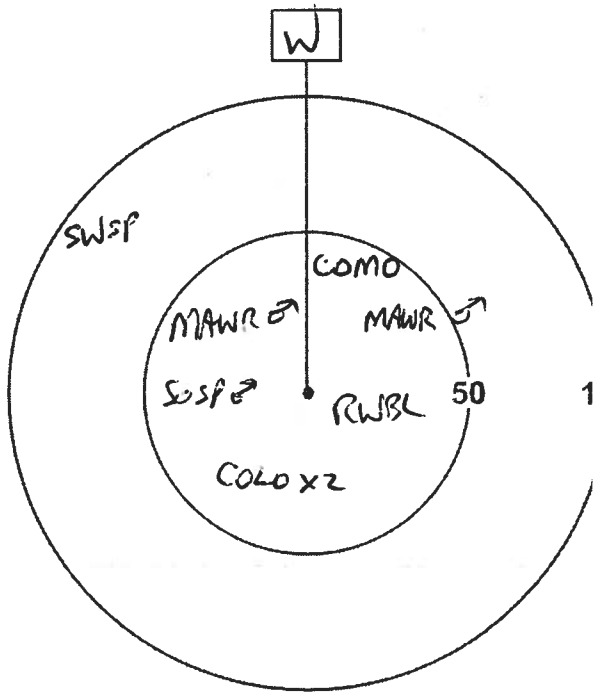
**Habitat:** ☐Forest ☐Swamp ☐Marsh ☐Hay ☐Pasture ☐Crop _____

**UTM:** _____

**Start Time:** 607

| Species | <50 m | 50-100 m | > 100m | Flyovers | Height* |
|---|---|---|---|---|---|
| TRES | | | | 1 | A |
| NRWS | | | | 3 | A |
| COMO | 1 | | | | O |
| | | | | | |
| | | | | | |
| TAPE: | | | | | |
| COMO | 3 | | | | O |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

*Height of blade sweep will vary from project to project; Check with Project Manager
**O** – On ground; **A** – Below height of blade sweep; **B** – At height of blade sweep;
**C** – Above height of blade sweep; **D** – Well Above the height of blade sweep




Common Moorhen:
- (1) during regular census (calling)
- (1) called during V. Rail tape
- (2) called during COMO tape
- (1) called during Pied-b Grebe tape
- total of (3) adults calling

Quality Control: This form is complete (✓) & legible (✓)

Signature: _____ (Field Personnel) AW

Signature: Katherine Shu (Project Manager)

Page 1 of 1

REV: May, 07 Form 020

**Stantec Consulting Ltd.**
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: Jul, 12, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 23 | W 1 | 100 | 0 | 0 |

**Feature No::** W2 **Habitat Type:** _____ **Time Start:** 0625 0655 0718 **Time End:** 0645 0707 0800

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren S | S | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † S | S |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | FY |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin H | H | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird S | P | Rose-br. Grosbeak † H | H |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | FY | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle H | H |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. S | P |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. P S | P | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow H | H | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch P | P |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | FY | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*

Pg. 1 of 4

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** AW (Field Personnel)

**Signature:** Katrina St James (Project Manager)

REV: 2011-05-27 / FORM 031

**Feature No.:** G2 **Habitat Type:** _____ **Time Start:** 0643 **Time End:** 0646

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat | |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | X |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☐ & legible ☐.

**Signature:** AW (Field Personnel)

**Signature:** Katrina Stam (Project Manager)

**Stantec Consulting Ltd.**
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 12, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 23 | S (1) | 100 | 0 | 0 |

**Feature No::** W1 **Habitat Type:** _____ **Time Start:** 0648 **Time End:** 0654

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing H | H | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. S | S |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | S | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H | H |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | X | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove | | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☐ & legible ☐.

**Signature:** AW (Field Personnel)

**Signature:** Katherine St James (Project Manager)

REV: 2011-05-27 / FORM 031

**Feature No.:** G1 **Habitat Type:** **Time Start:** 0707 0720 **Time End:** 0712 0758

***Record location of all significant species on site map.***

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | H | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | H | Ovenbird ‡ | |
| Mallard | | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat ND S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| Co. Loon ‡ | | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | FY |
| N. Harrier †‡ | T | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird H | P | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † H | H | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † H | H | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. | FY |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing H | H | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † H | H | Blue-wing. Wa. † | | Co. Grackle | CF |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | P |
| Upla. Sandpiper ‡ | | Blue-headed Vireo.‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. S | P | Baltimore Oriole † | FY |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch H P | P |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | | Pine Wa. ‡ | | | |
| Mourn. Dove S | S | No. R. W. Swal. | | Cerulean Wa** †‡ | | | |

** Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.*



Quality Control: This form is complete ☑ & legible ☑.

**Signature:** AW (Field Personnel)

**Signature:** Katherine Stahn (Project Manager)

REV: 2011-05-27 / FORM 031

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Bird Survey Observation Form

(Use a separate form for each habitat type)

Project Number: 160960595 Project Name: Amherst

Date: July 11, 2011 Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22 | S 1 | 60 | 0 | 0 |

Feature No:: M4 Habitat Type: _____ Time Start: 0555 Time End: 0635

***Record location of all significant species on site map.*** * on lake side

** Endangered, Threatened or Special Concern
† Partners In Flight
‡ Area Sensitive Species

| Species | BE* | Species | BE* | Species | BE* | | BE* |
|---|---|---|---|---|---|---|---|
| Can. Goose | | Yellow-b Cuckoo | | Bank Swallow † | | Bl-and-wh Wa. ‡ | |
| Wood Du. | | Black-b Cuckoo † | | Cliff Swallow | | Am. Redstart ‡ | |
| Am. Black Duck | | Ea. Screech Owl | | Barn Swallow | X | Ovenbird ‡ | |
| * Mallard | FY | Gr. Horned Owl | | Bl-capped Chickadee | | No. Waterthrush ‡ | |
| R. N. Pheasant | | Barred Owl ‡ | | Tufted Titmouse | | Mourning Wa. ‡ | |
| Ruffed Grouse ‡ | | Long-eared Owl | | Red-br. Nuthatch | | Co. Yellowthroat S | S |
| W. Turkey | | No. Saw-whet Owl | | Wh-br. Nuthatch | | Hooded Wa** †‡ | |
| * Co. Loon ‡ | P | Co. Nighthawk** | | Br. Creeper ‡ | | Canada Wa. †‡ | |
| Pied-b. Grebe | | Whip-poor-will †‡ | | Carolina Wren. | | Scarlet Tanager ‡ | |
| D. C. Cormorant ‡ | | Chimney Swift** † | | House Wren | | Eastern Towhee † | |
| Am. Bittern | | Ruby-thr. Humming. | | Winter Wren ‡ | | Chipping Sp. | |
| Least Bittern** ‡ | | Belt. Kingfisher † | | Sedge Wren | | Clay-colored Sp. | |
| G. B. Heron | | Red-headed Wo** † | | Marsh Wren | T | Field Sp. † | |
| Gr. Egret | | Red-bellied Wo. | | Golded-cr. Kinglet ‡ | | Vesper Sp. † | |
| Green Heron | | Yell-bellied Sap. ‡ | | B. G. Gnatcatcher ‡ | | Savannah Sp. † | |
| T. Vulture | | Downy Wo. | | Ea. Bluebird | | Grasshopper Sp. † | |
| Osprey | | Hairy Wo. | | Veery | | Song Sp. S | S |
| N. Harrier †‡ | | No. Flicker † | | Hermit Thrush ‡ | | Swamp Sp. | T |
| Sharp-sh. Hawk ‡ | | Pileated Wo. ‡ | | Wood Thrush † | | Wh-throated Sp. ‡ | |
| Coopers Hawk ‡ | | Ea. Wood-Pewee † | | Am. Robin | | No. Cardinal | |
| Red-shou. Hawk †‡ | | Alder Fly. | | Gray Catbird | | Rose-br. Grosbeak † | |
| Red-tailed Hawk | | Willow Fly. † | | No. Mockingbird | | Indigo Bunt. | |
| Am. Kestrel † | | Least Fly. | | Br. Thrasher † | | Bobolink † | |
| Virginia Rail | | Ea. Phoebe | | European Starling | | Red-winged Bl. A | A |
| Sora | | Gr. Crested Fly. | | Cedar Waxwing | | Ea. Meadowlark † | |
| Killdeer | | Ea. Kingbird † | | Blue-wing. Wa. † | | Co. Grackle | |
| Spot. Sandpiper | | Yellow-thr. Vireo ‡ | | Gold-wing. Wa** † | | Br-headed Cow. | |
| Upla. Sandpiper ‡ | | Blue-headed Vireo ‡ | | Nashville Wa. | | Orchard Oriole | |
| Wilson's Snipe | | Warbling Vireo | | Yellow Wa. | | Baltimore Oriole † | |
| Am. Woodcock | | Red-eyed Vireo | | Chestnut-s. Wa. | | Purple Finch | |
| Ring-b. Gull | | Blue Jay | | Magnolia Wa. ‡ | | House Finch | |
| Herring Gull | | Am. Crow | | Bl-thr Blue Wa. ‡ | | Pine Siskin | |
| Caspian Tern | | Co. Raven | | Yel-rumped Wa. ‡ | | Am. Goldfinch | |
| Black Tern** ‡ | | Horned Lark | | Bl-thr Gr. Wa. ‡ | | House Sparrow | |
| Common Tern | | Purple Mart. | | Blackburnian Wa. ‡ | | Other Species … | |
| Rock Dove | | Tree Swallow | X | Pine Wa. ‡ | | C Morchen | T |
| Mourn. Dove | | No. R. W. Swal. | X | Cerulean Wa** †‡ | | See Point Count Sheet | |

* Record highest Breeding Evidence (BE) observed over all habitat. Use codes as in Breeding Bird Atlas of Ontario.

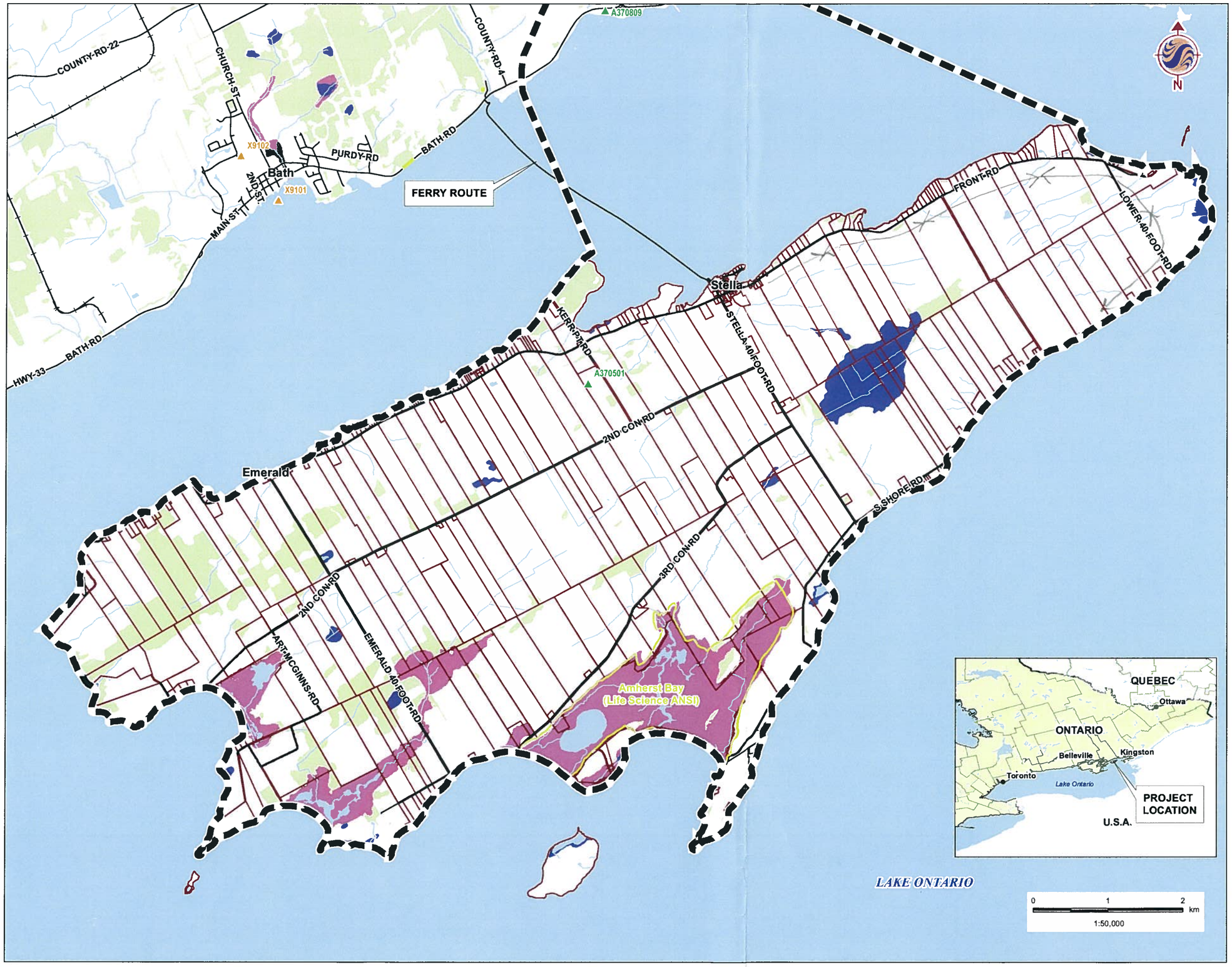
Pg. 1 of 1

Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Katrina Sh (Project Manager)

REV: 2011-05-27 / FORM 031




## Legend

- Study Area
- Active Landfill
- Closed Landfill
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.

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April 2011
160960595

Client/Project
Client
Title
Project

Figure No.
DRAFT

Title
**STUDY AREA**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\60960595_FieldMapOverview_20110413.mxd
Revised on: 2011-04-05 By: pworsell

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Driving Short-eared Owl Observation Form

Project Number: 160960595 Project Name: Amherst

Date / Time: June 9/2011 8:20-8:40 9:05-9:20 Field Personnel: Pete Read

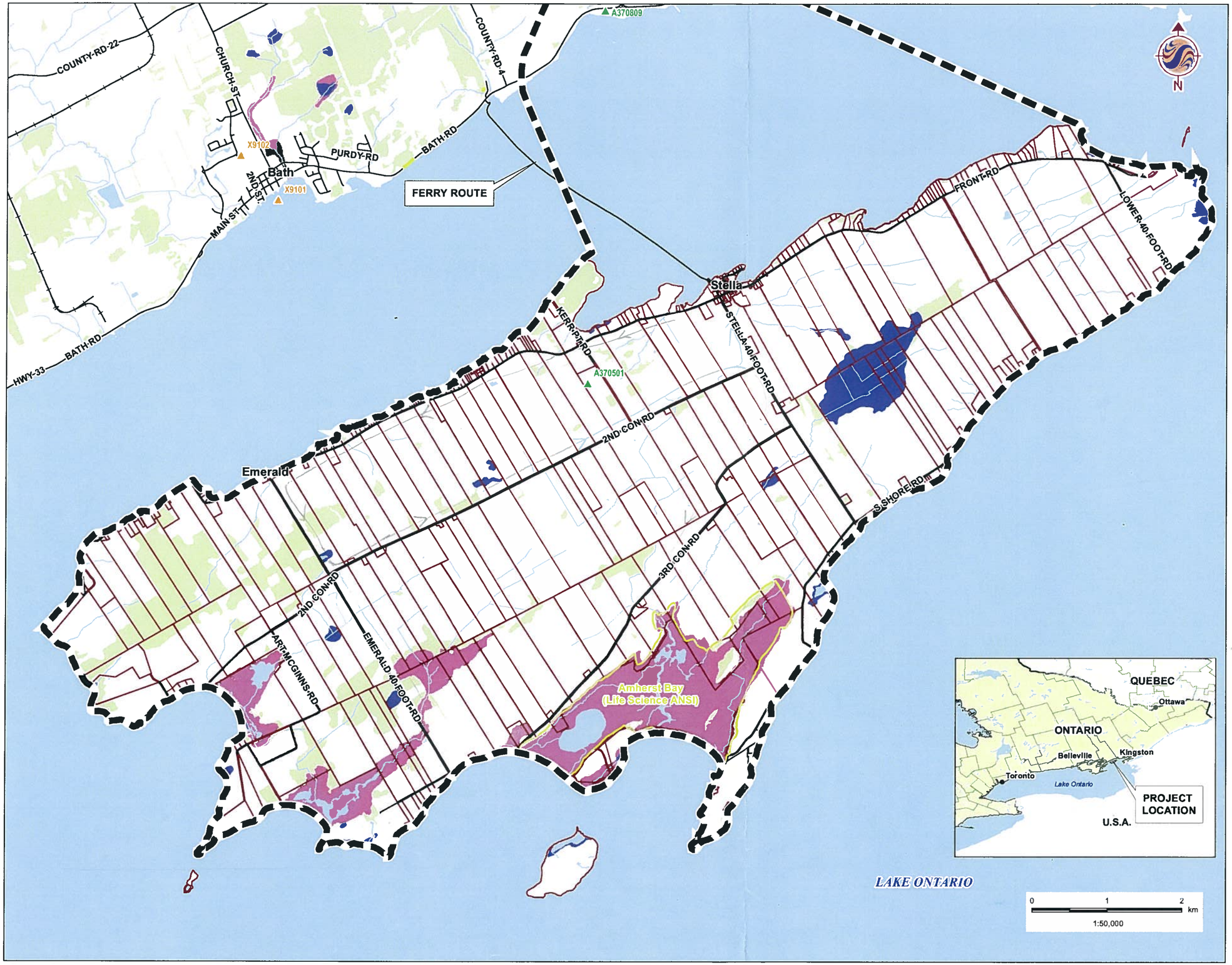
| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: | Ave. Snow Depth: |
|---|---|---|---|---|---|---|
| | 19 | 3 NE | 100% | 0 | 1 cm | — |

| Time | # of Individuals | Location | Behaviour |
|---|---|---|---|
| | | *Habitat type, proximity to features (woodlands, ravines etc.)* | *Perched, Hunting, flying, height* |

Quality Control: This form is complete (__) & legible (__).

Signature: P. Read (Field Personnel) Signature: _____ (Project Manager)

 REV: May, 07 Form 022




## Legend

- Study Area
- Active Landfill
- Closed Landfill
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
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April 2011
160960595

Client/Project
Client
Title
Project

Figure No.
DRAFT

Title
**STUDY AREA**

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Revised on: 2011-04-05 By: pworsell

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Driving Short-eared Owl Observation Form

Project Number: 160 960 595

Project Name: Amherst

Date / Time: June 10 / 2011

Field Personnel: Pete Read

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: | Ave. Snow Depth: |
|---|---|---|---|---|---|---|
| | 18 | 3 NE | 100% | 0 | < 0.1cm | — |

8:00 - 9:15

| Time | # of Individuals | Location | Behaviour |
|---|---|---|---|
| | | *Habitat type, proximity to features (woodlands, ravines etc.)* | *Perched, Hunting, flying, height* |

Quality Control: This form is complete (__) & legible (__).

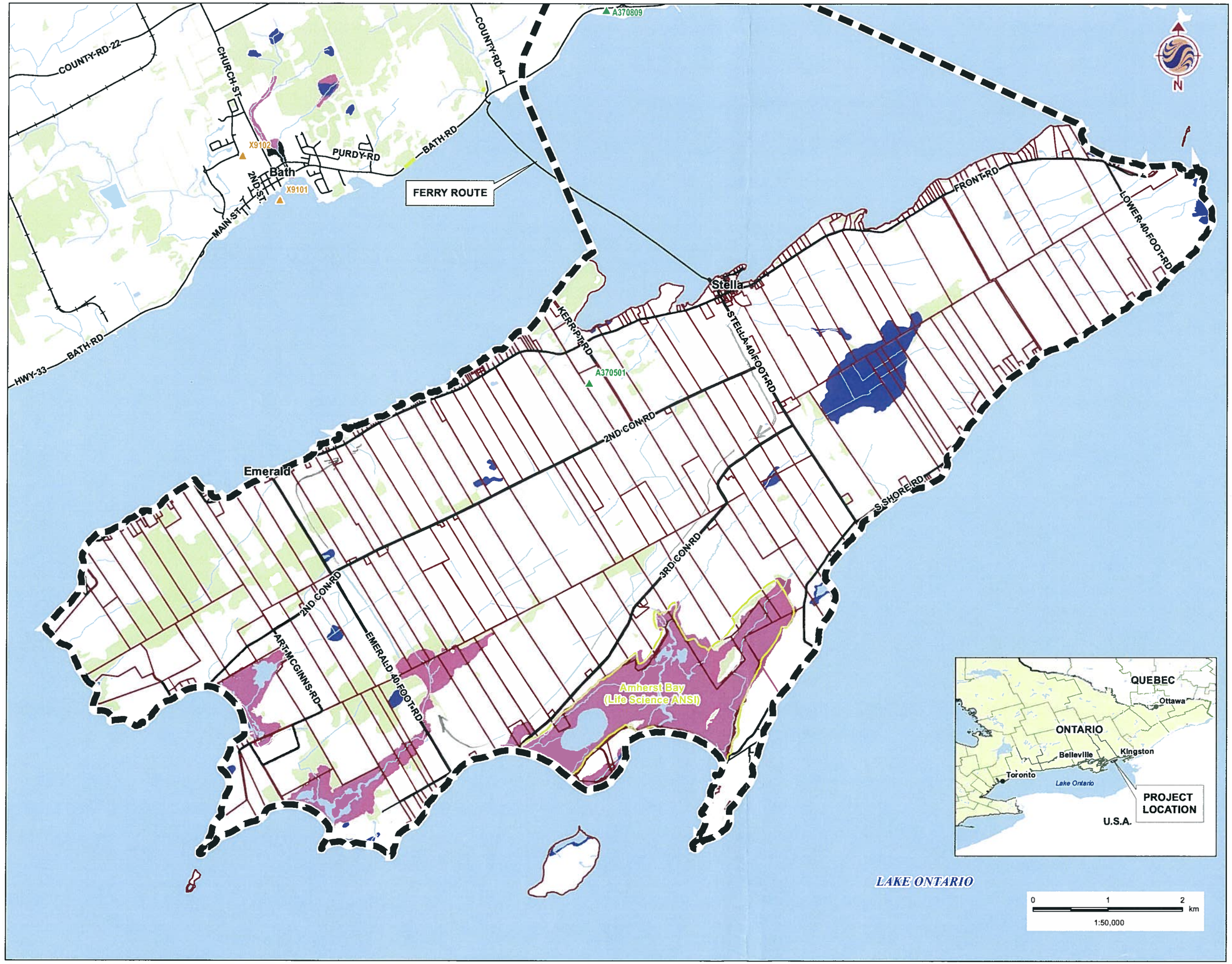
Signature: P Read (Field Personnel)

Signature: _____ (Project Manager)



REV: May, 07

Form 022




## Legend

- Study Area
- Active Landfill
- Closed Landfill
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
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April 2011
160960595

Client/Project
Client
Title
Project

Figure No.
DRAFT

Title
**STUDY AREA**

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Revised on: 2011-04-05 By: pworsell

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Driving Short-eared Owl Observation Form

Project Number: 160960595 Project Name: Amherst

Date / Time: June 11/2011 8:00 - 9:15 Field Personnel: Pete Read

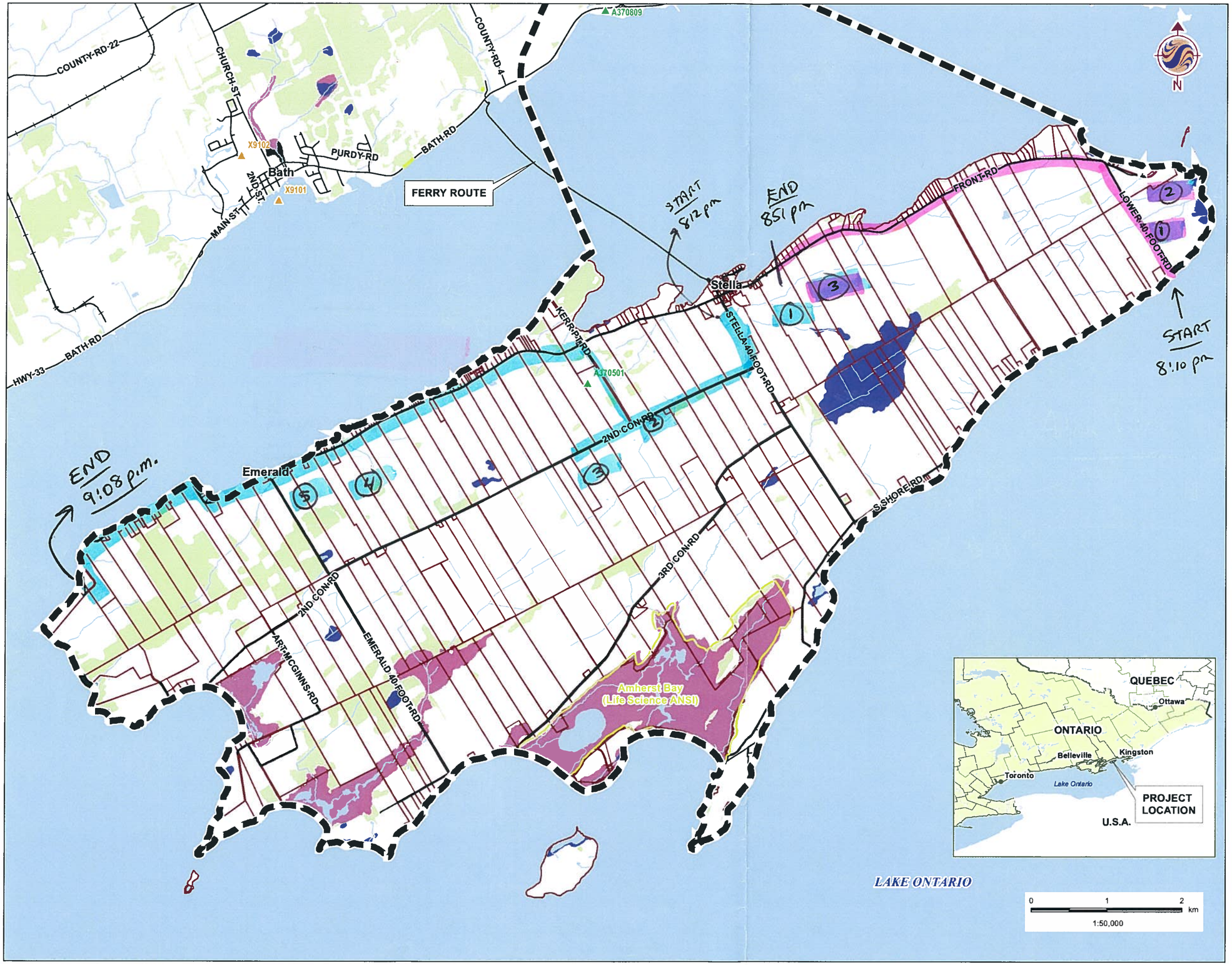
| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: | Ave. Snow Depth: |
|---|---|---|---|---|---|---|
| | 19 | 2-3 E | 100 % | sprinkle | 3 mm | - |

| Time | # of Individuals | Location | Behaviour |
|---|---|---|---|
| | | *Habitat type, proximity to features (woodlands, ravines etc.)* | *Perched, Hunting, flying, height* |

Quality Control: This form is complete (__) & legible (__).

Signature: P. Read (Field Personnel) Signature: _____ (Project Manager)

 REV: May, 07 Form 022




## Legend

- Study Area
- Active Landfill
- Closed Landfill
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

July 2, 2011
Alan Wormington
July 3, 2011

## Notes

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April 2011
160960595

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Client
Title
Project

Figure No.
DRAFT

Title
**STUDY AREA**

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Revised on: 2011-04-05 By: pworsell

**Stantec Consulting Ltd.**
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Short-eared Owl Driving Survey Form

Project Number: 160960595

Project Name: Amherst

Date: July 2, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 23 | 0 | 40 | 0 | 0 |

Start Time: 8:10 pm

End Time: 851 p.m

Total KM Driven: 6

| Raptor No. (as on map) | Time | Species & No. | Age/Sex (if determined) | Height* (m) | Habitat | Behaviour (i.e. hunting, perching, actively migrating) |
|---|---|---|---|---|---|---|
| 1 | 826 | NOHA ♂ | ad ♂ | A | grassland | hunting |
| 2 | 828 | Osprey | ad | A | " | nest platform |
| 3 | 846 | NOHA | ad ♂ | A | " | hunting |
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** Height of blade sweep varies from project to project; check with project manager.*

Pg. ___ of ___

Quality Control: This form is complete ☐ & legible ☐.

Signature: AW (Field Personnel)

Signature: Katrina S (Project Manager)

REV: 2011-05-06 / FORM 036b

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Canada N1G 4P5
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# Short-eared Owl Driving Survey Form

Project Number: 160960595

Project Name: Amherst

Date: July 3, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 24 | trace W | 30 | 0 | lots of rain 0330 to 0430 am |

Start Time: 812 pm

End Time: 908 pm

Total KM Driven: 13 km

| Raptor No. (as on map) | Time | Species & No. | Age/Sex (if determined) | Height* (m) | Habitat | Behaviour (i.e. hunting, perching, actively migrating) |
|---|---|---|---|---|---|---|
| 1 | 823 | NOHA 1 | ad ♂ | B | grass | flying (not hunting) |
| 2 | 829 | UPSA 1 | ad | A | " | on post |
| 3 | 836 | NOHA | 1 ad ♂ | A | " | hunting |
| 4 | 853 | AMKE | 2 (ad pr) | A | forest edge | sitting on dead trees |
| 5 | 857 | RTHA | 1 ad | A | grass | sitting in dead tree |
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* Height of blade sweep varies from project to project; check with project manager.

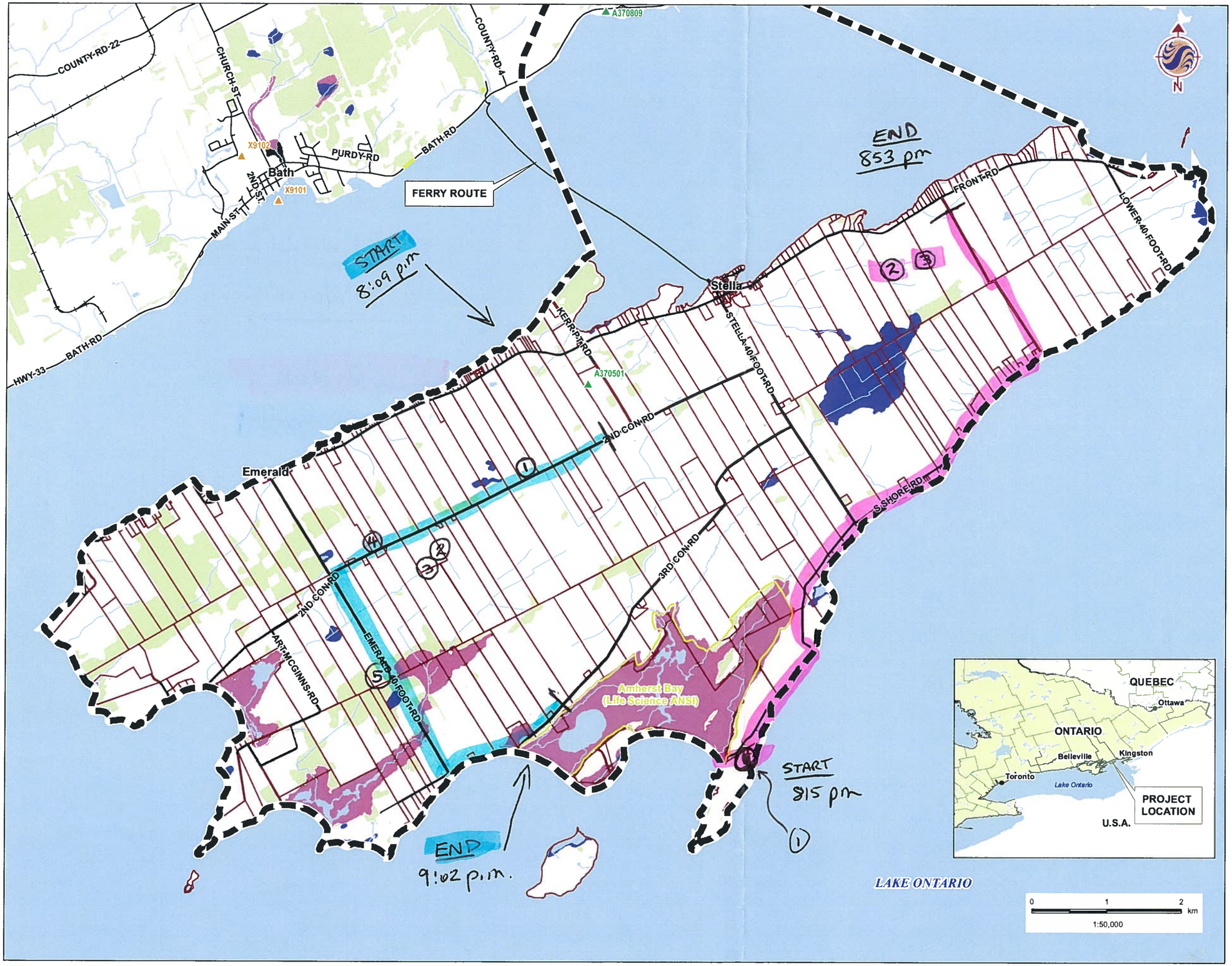
Pg. ___ of ___

Quality Control: This form is complete ☐ & legible ☐.

Signature: _____ (Field Personnel)

Signature: Kathryn Son (Project Manager)

REV: 2011-05-06 / FORM 036b




## Legend

- Study Area
- Active Landfill
- Closed Landfill
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

July 4, 2011

July 5, 2011

## Notes

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April 2011
160960595

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Client
Title
Project

Figure No.
DRAFT

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**STUDY AREA**

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Revised on: 2011-04-05 By: pworsell

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# Short-eared Owl Driving Survey Form

Project Number: 160960595

Project Name: Amherst

Date: July 4, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 24 | W (1) | 0 | 0 | 0 |

Start Time: 815 p.m

End Time: 853 pm

Total KM Driven: 9 Km

| Raptor No. (as on map) | Time | Species & No. | Age/Sex (if determined) | Height* (m) | Habitat | Behaviour (i.e. hunting, perching, actively migrating) |
|---|---|---|---|---|---|---|
| 1 | 730 | OROR | 1 ad. ♂ | A | overgrown thickets | singing perching dead tree |
| 2 | 848 | RTHA | 1 ad | 0 | grass | sitting on hay bales |
| 3 | 853 | RTHA | 1 ad | 0 | " | sitting on post |
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* *Height of blade sweep varies from project to project; check with project manager.*

Pg. ___ of ___

Quality Control: This form is complete ☐ & legible ☐.

Signature: AW (Field Personnel)

Signature: Katherine S (Project Manager)

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# Short-eared Owl Driving Survey Form

Project Number: 160960595

Project Name: Amherst

Date: July 5, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 23 | SW (1) | 70 | trace | 0 |

Start Time: 8:09 p.m

End Time: 9:02 pm

Total KM Driven: 11 Km

gloomy!

| Raptor No. (as on map) | Time | Species & No. | Age/Sex (if determined) | Height* (m) | Habitat | Behaviour (i.e. hunting, perching, actively migrating) |
|---|---|---|---|---|---|---|
| 1 | 814 | NOHA | 1 ad ♀♀ | A | grass | hunting |
| 2 | 820 | NOHA | 1 ad ♀♀ | O | " | sitting on post |
| 3 | 820 | NOHA | 1 ad ♀♀ | O | " | " " " |
| 4 | 827 | RTHA | 1 juvenile | O | " | sitting on hay bale |
| 5 | 839 | NOHA | 1 ad ♂♂ | A | " | hunting |
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* *Height of blade sweep varies from project to project; check with project manager.*

Pg. ___ of ___

Signature: AW (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathleen Stone (Project Manager)

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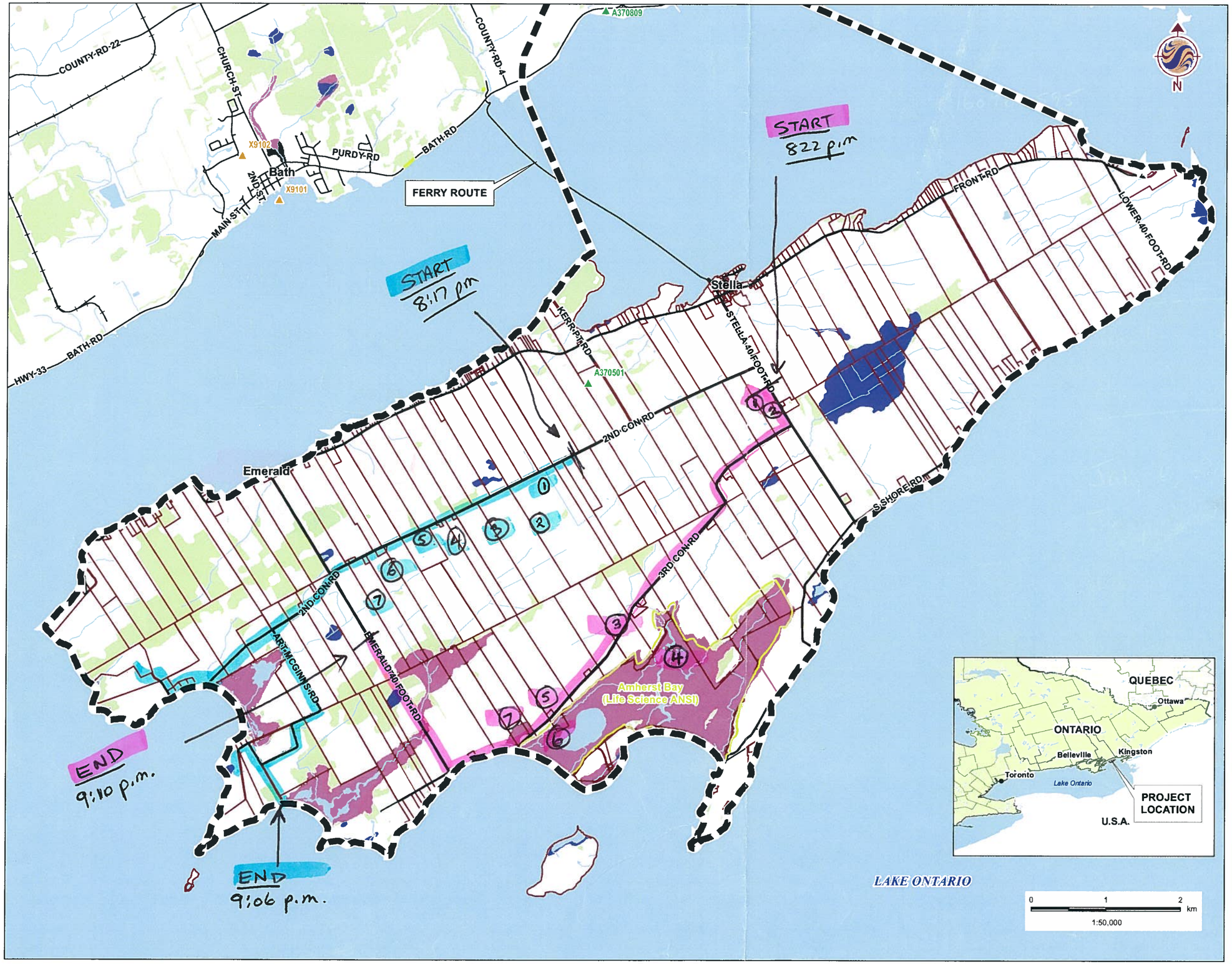


## Legend

- Study Area
- Active Landfill
- Closed Landfill
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

July 6, 2011

July 7, 2011

## Notes

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**STUDY AREA**

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# Short-eared Owl Driving Survey Form

Project Number: 160960595

Project Name: Amherst

Date: July 6, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22 | Trace SW | 25 | 0 | trace |

Start Time: 822 p.m.

End Time: 9:10 p.m.

Total KM Driven: 9 km

| Raptor No. (as on map) | Time | Species & No. | Age/Sex (if determined) | Height* (m) | Habitat | Behaviour (i.e. hunting, perching, actively migrating) |
|---|---|---|---|---|---|---|
| 1 | 822 pm | RTHA | 2 ad. | A | grass | sitting dead tree / pair |
| 2 | 824 | AMKE | 1 ♂ | A | " | flying by |
| 3 | 842 | AMKE | 1 | A | " | " |
| 4 | 844 | GBHE | 4 ad | A | marsh | |
| → 2+ | nests | in dead trees, | in marsh | / exact | location | difficult to judge |
| on | map. | | | | | |
| 5 | 854 | NOHA | 1 ad ♂♂ | A | grass | hunting |
| 6 | 857 | NOHA | 1 ad ♂♂ | A | marsh | " ? |
| 7 | 858 | NOHA | 1 ad ♂♂ | A | grass | " |
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* *Height of blade sweep varies from project to project; check with project manager.*

Pg. ___ of ___

Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Kathleen [illegible] (Project Manager)

REV: 2011-05-06 / FORM 036b

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# Short-eared Owl Driving Survey Form

Project Number: 160960595

Project Name: Amherst

Date: July 7, 2011

Field Personnel: Alan Worminga

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22 | 0 | 50 | 0 | 0 |

Start Time: 8:17 pm

End Time: 9:06 pm

Total KM Driven: 13 km

| Raptor No. (as on map) | Time | Species & No. | Age/Sex (if determined) | Height* (m) | Habitat | Behaviour (i.e. hunting, perching, actively migrating) |
|---|---|---|---|---|---|---|
| 1 | 8:18 | NoHA | 1 ad ♂♂ | 0 | grass | sitting on post |
| 2 | 8:19 | NoHA | 1 ad ♀♀ | 0 | grass | " " " |
| 3 | 8:24 | RTHA | 1 ad | A | grass | flying |
| 4 | 8:25 | NoHA | 1 ad ♀♀ | 0 | grass | sitting on post |
| 5 | 8:26 | AMKE | 1 ad | A | grass | flying |
| 6 | 8:34 | RTHA | 1 ad | 0 | grass | sitting on haybale |
| 7 | 8:34 | NoHA | 1 ad ♀♀ | 0 | grass | " " " " |
| | | | | | | 38922 |
| | | | | | | 38905 |
| | | | | | | 13 |

* *Height of blade sweep varies from project to project; check with project manager.*

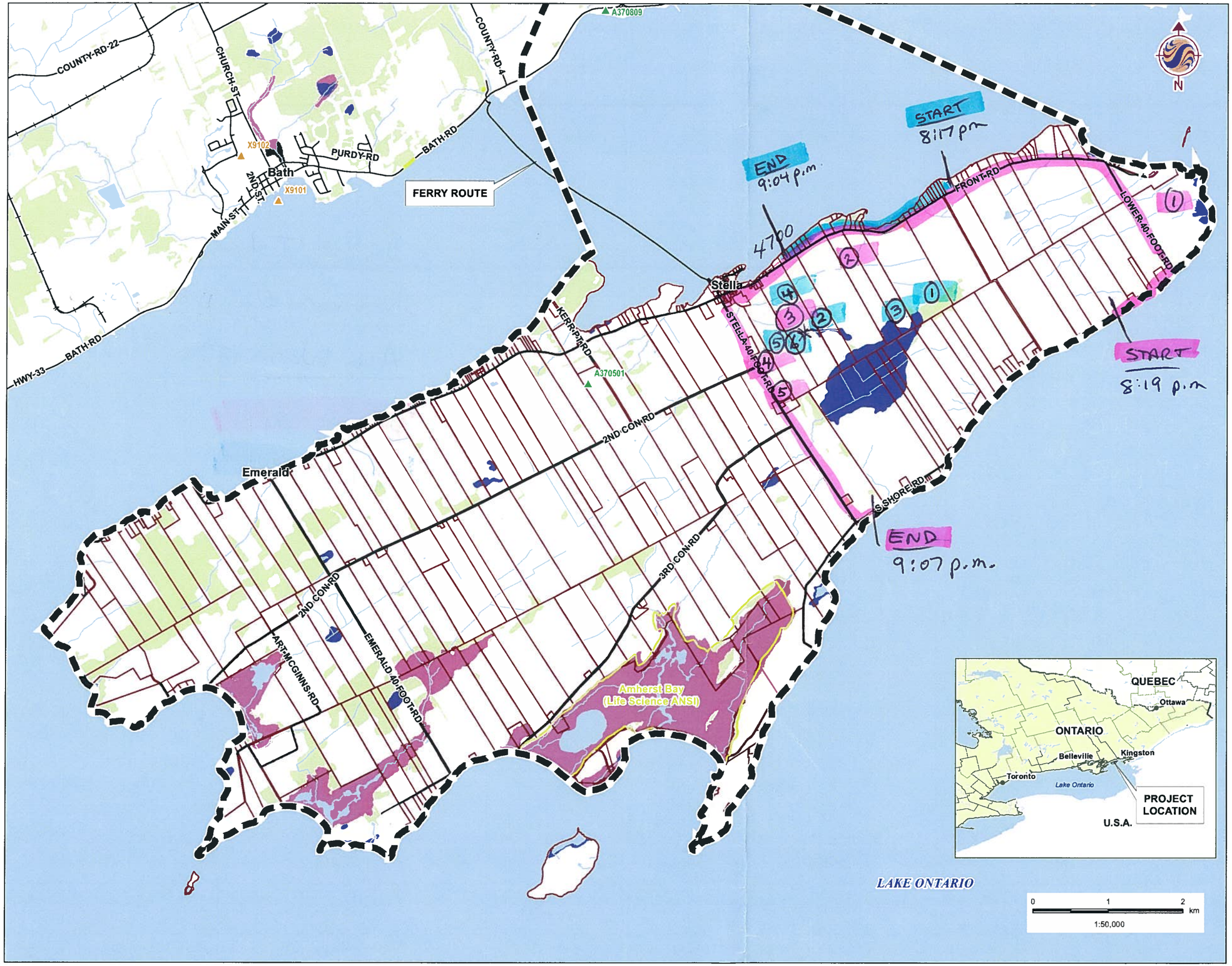
Pg. ___ of ___

Quality Control: This form is complete ☐ & legible ☐.

Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)

REV: 2011-05-06 / FORM 036b




## Legend

- Study Area
- Active Landfill
- Closed Landfill
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

July 8, 2011
July 9, 2011

## Notes

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Client
Title
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**STUDY AREA**

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# Short-eared Owl Driving Survey Form

Project Number: 160960595

Project Name: Amherst

Date: July 8, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20 | W (1) | 15 | 0 | 0 |

Start Time: 8:19 pm

End Time: 9:07 p.m

Total KM Driven: 11 km

| Raptor No. (as on map) | Time | Species & No. | Age/Sex (if determined) | Height* (m) | Habitat | Behaviour (i.e. hunting, perching, actively migrating) |
|---|---|---|---|---|---|---|
| 1 | 832 | OSPR | 2 | A | grass | two on platform (age?) |
| 2 | 844 | NOHA | 1 ad ♂♂ | A | grass | hunting |
| 3 | 846 | NOHA | 1 ad ♀♀ | O | grass | sitting on post |
| 4 | 858 | RTHA | 1 ad | A | grass | flying |
| 5 | 902 | AMKE | 2 (pr?) | A | grass | flying |
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** Height of blade sweep varies from project to project; check with project manager.*

Pg. ___ of ___

Quality Control: This form is complete ☐ & legible ☐.

Signature: _____ (Field Personnel)

Signature: Katherine Son (Project Manager)

REV: 2011-05-06 / FORM 036b

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# Short-eared Owl Driving Survey Form

Project Number: 160960595

Project Name: Amherst

Date: July 9, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18 | SW (1) | 30 | 0 | 0 |

Start Time: 8:17 p.m.

End Time: 9:04 pm

Total KM Driven: 2 km

| Raptor No. (as on map) | Time | Species & No. | Age/Sex (if determined) | Height* (m) | Habitat | Behaviour (i.e. hunting, perching, actively migrating) |
|---|---|---|---|---|---|---|
| 1 | 823 | RTHA | 1 ad | A | grass/wood edge | sitting in dead tree |
| 2 | 828 | NOHA | 1 ad ♀♀ | O | grass | sitting on post |
| 3 | 832 | NOHA | 2 ad ♀♀ | A | grass | hunting |
| 4 | 842 | NOHA | 2 ad ♂♂ | A | grass | fighting |
| 5 | 849 | RTHA | 1 ad | A | grass | flying |
| 6 | 850 | NOHA | ♀ or juv | A | grass | hunting |

** Height of blade sweep varies from project to project; check with project manager.*

Pg. ___ of ___

Quality Control: This form is complete ☑ & legible ☑.

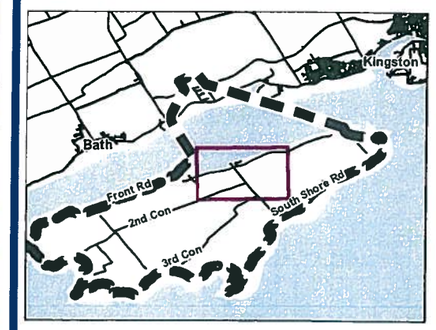
Signature: _____ (Field Personnel)

Signature: Kathryn Sm (Project Manager)

REV: 2011-05-06 / FORM 036b

**Legend**

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Tentitive Access Properties
- Amphibian Station

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Client
Title
Project

Figure No.
Tile 3

Title
**FIELD MAPBOOK**

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## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Tentitive Access Properties
- Amphibian Station

## Notes

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Client
Title
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Figure No.
Tile 4

Title
**FIELD MAPBOOK**

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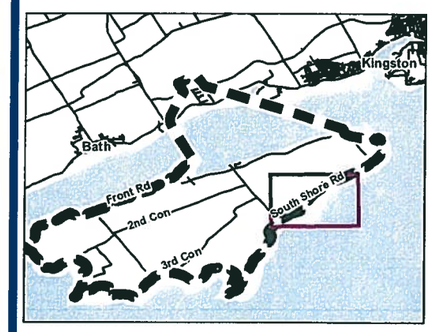
Revised on: 2011-04-15 By: pworsell

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Tentitive Access Properties
- Amphibian Station

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Client/Project
Client
Title
Project

Figure No.
Tile 5

Title
**FIELD MAPBOOK**

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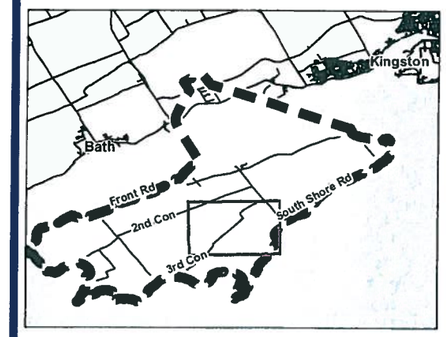
Revised on: 2011-04-15 By: pworsell

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Tentitive Access Properties
- Amphibian Station

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Client/Project
Client
Title
Project

Figure No.
Tile 6

Title
**FIELD MAPBOOK**

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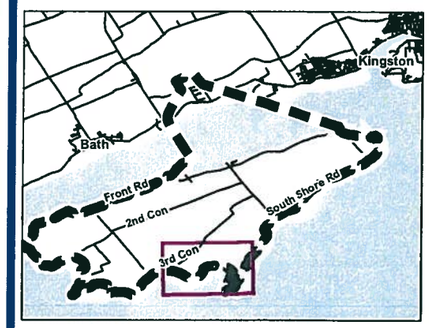
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Tentitive Access Properties
- Amphibian Station

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Client/Project
Client
Title
Project

Figure No.
Tile 7

Title
**FIELD MAPBOOK**

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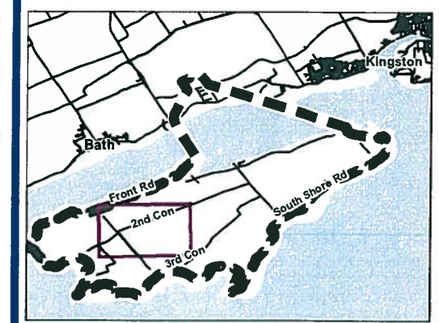
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Tentitive Access Properties
- Amphibian Station

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Title
Project

Figure No.
Tile 8

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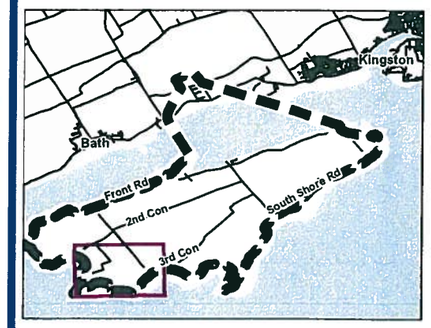
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Tentitive Access Properties
- Amphibian Station

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Client/Project
Client
Title
Project

Figure No.
Tile 9

Title
**FIELD MAPBOOK**

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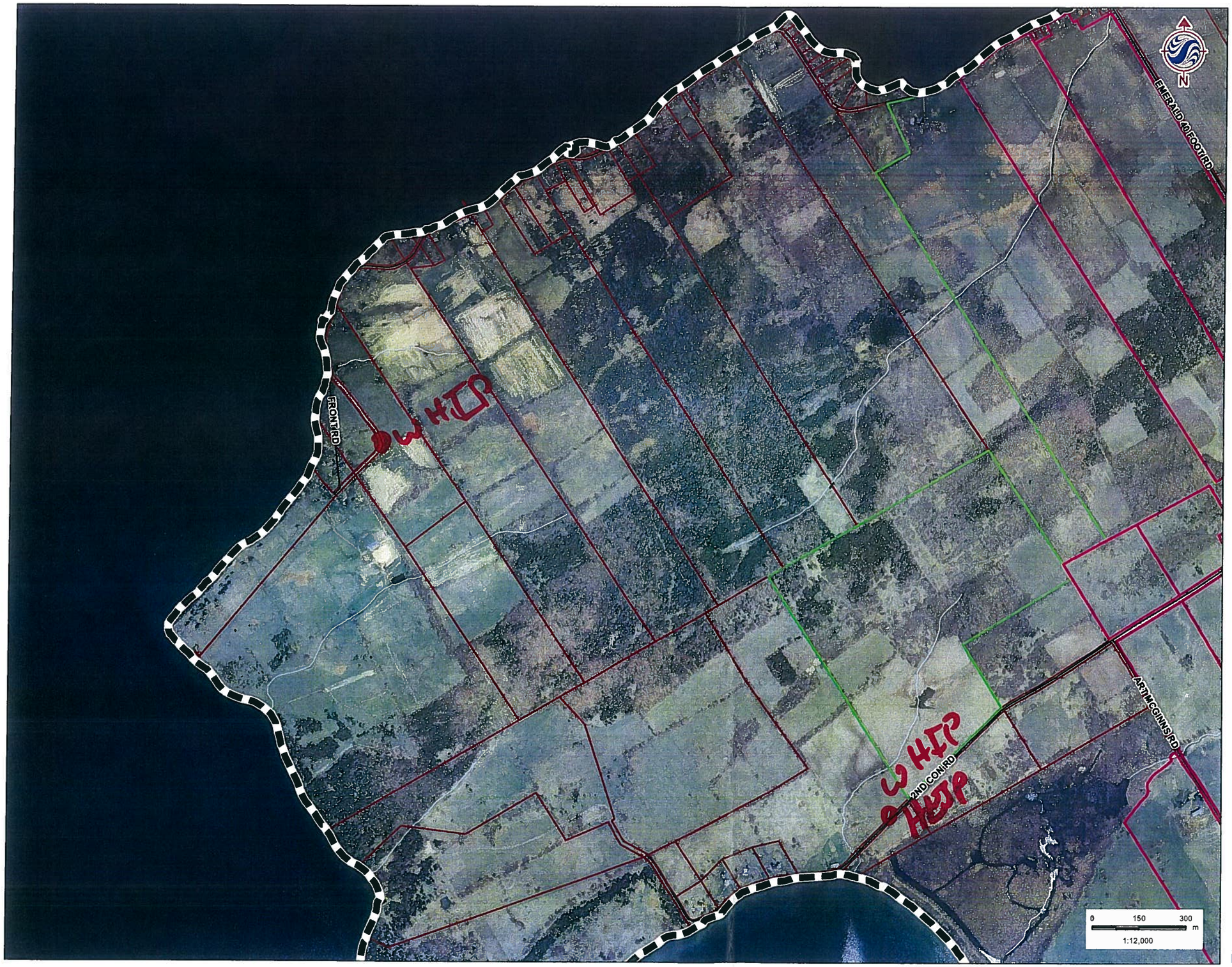
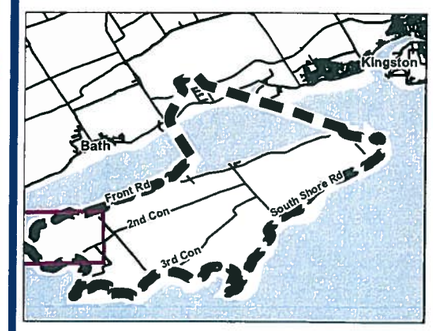
Revised on: 2011-04-15 By: pworsell




## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Tentitive Access Properties
- Amphibian Station




## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
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April 2011
160960595

Client/Project
Client
Title
Project

Figure No.
Tile 10

Title
**FIELD MAPBOOK**

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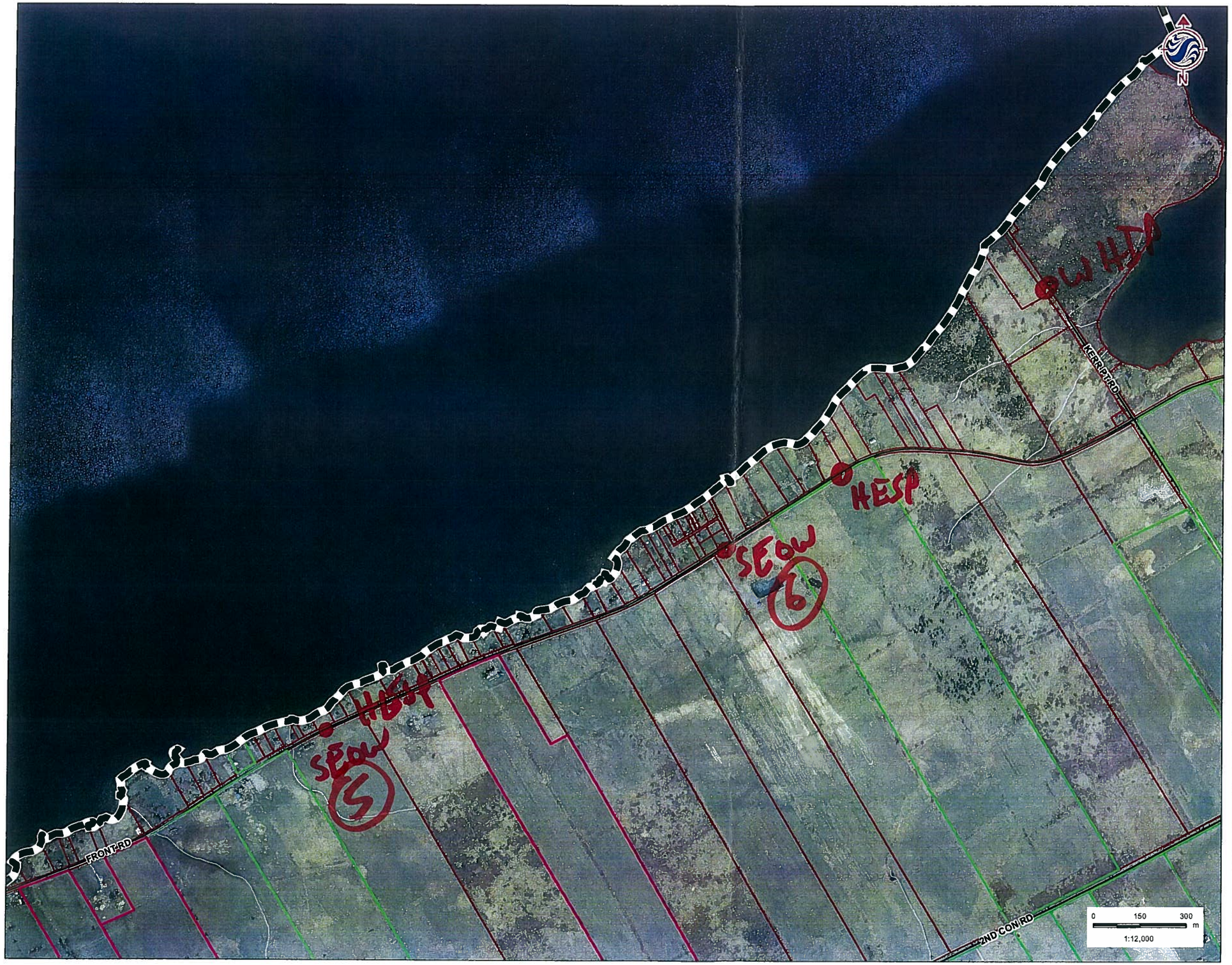
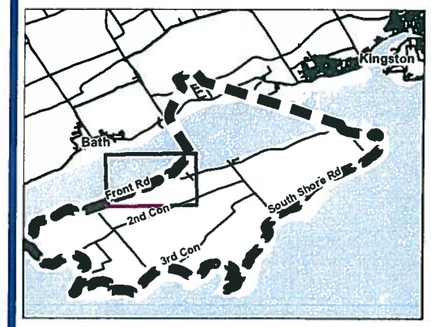
Revised on: 2011-04-15 By: pworsell




## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Tentitive Access Properties
- Amphibian Station




## Notes

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Client/Project
Client
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Figure No.
Tile 11

Title
**FIELD MAPBOOK**

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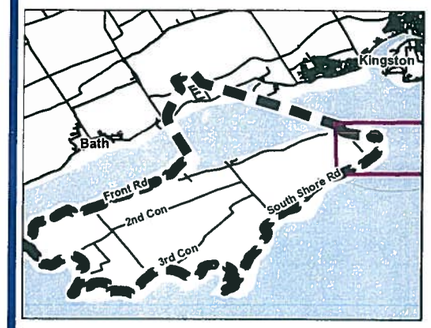
Revised on: 2011-04-15 By: pworsell

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Tentitive Access Properties
- Amphibian Station




## Notes

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Client
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Project

Figure No.
Tile 12

Title
**FIELD MAPBOOK**

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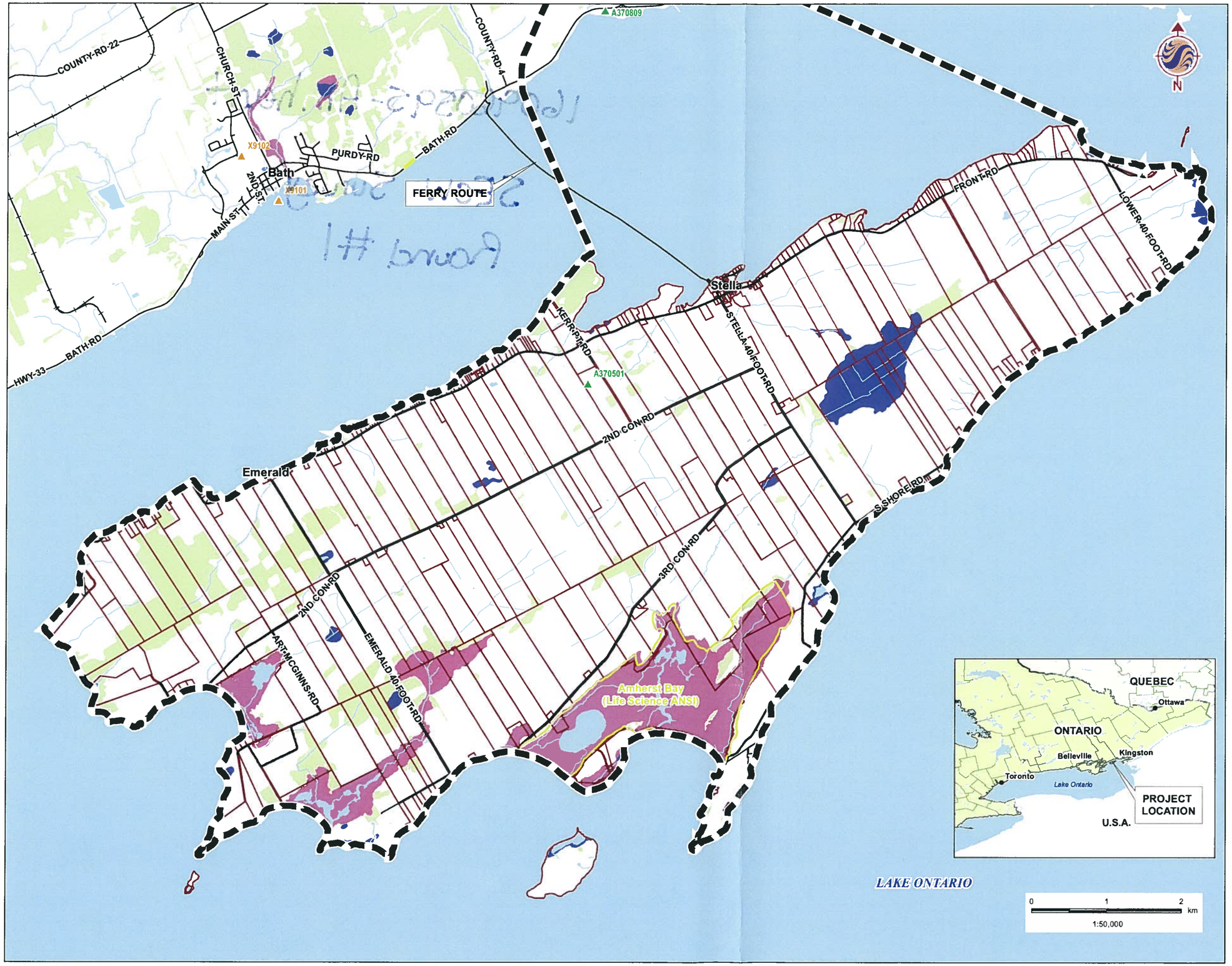
Revised on: 2011-04-15 By: pworsell




## Legend

- Study Area
- Active Landfill
- Closed Landfill
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

## Notes

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April 2011
160960595

Client/Project
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Project

Figure No.
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Title
**STUDY AREA**

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Revised on: 2011-04-05 By: pworsell

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Stantec

# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595

Project Name: Amherst Island

Date: May 11

Field Personnel: Don Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 10 | 1 | 20% | None | None |

Station #: 11

UTM: 365309, 4892899

Start Time: 8:00

End Time: 8:20

Raptor #:

Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | Pasture | Pasture throughout observational area, woody vegetation limited to a few shrubs which cover less than 1% of area |
| | | |
| | | |
| | | |
| | | |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
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** Height of blade sweep varies from project to project; check with project manager.*

1 – **Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
2 – **Pursing**: Level, direct flight path; not searching for prey
3 – **Perched**: Perching
4 – **Courtship Display**: Swooping calling display

Pg. ___ of ___

Signature: Don Graham (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathleen [illegible] (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595 Project Name: Amherst Island

Date: May 10, 2011 Field Personnel: Dan Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 10 | 1 | 20% | None | None |

Station #: 12 UTM: 366911, 4893462

Start Time: 8:~~00~~ 10 End Time: 8:30

Raptor #: No SEOW Age: (e.g. juvenile or adult)

Moved station east by 100m as it improved visibility

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | field | fallow field covers entire observational area. Very few shrubs or trees. |
| | | |
| | | |
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Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
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** Height of blade sweep varies from project to project; check with project manager.*
1 – **Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
2 – **Pursing**: Level, direct flight path; not searching for prey
3 – **Perched**: Perching
4 – **Courtship Display**: Swooping calling display

Pg. ___ of ___

Signature: Dan Graham (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kevin Shu (Project Manager)

REV: 2011-05-06 / FORM 036-b

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Fax: (519) 836-2493

# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595
Project Name: Amherst Island
Date: May 10, 2011
Field Personnel: Don Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 10 | 1 | 20% | None | None |

**Station #:** 13
**UTM:** 368425, 4894017
**Start Time:** 8:30
**End Time:** 8:50
**Raptor #:** No SEOW
**Age:** (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | Sheep pasture | Sheep in about 50% of pasture. Vegetation grasses & herbaceous species, few shrubs or trees |
| | | |
| | | |
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Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display

Pg. ___ of ___
**Signature:** Don Graham (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.
**Signature:** Katherine [illegible] (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595
Project Name: Amherst Island
Date: May 11
Field Personnel: Don Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 10 | 1 | 20% | None | None |

Station #: 14
UTM: 369657, 4892386
Start Time: 8 27
End Time: 8 47
Raptor #: None
Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | Sheep pasture | Occupies most of observational area. Recently used by sheep. No trees, very few shrubs |
| 2 | Conifer stand | Dense conifers, 5m high |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display

Pg. ___ of ___
**Signature:** Don Graham (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑
**Signature:** Kathrin Stern (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595

Project Name: AMHERST IS.

Date: MAY 11, 2011 8 to 820

Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 15°C | E2 | 20% | 0 | 0 |

Station #: 1

UTM: 18T 0358989 4888152

Start Time: 8:00 PM

End Time: 8:20

Raptor #: NO OWLS

Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | GRASSLAND | 8" NEW GRASS WITH DEAD WEED HEADS TO 1m |
| | | |
| | | |
| | | |
| | | |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) | | | | | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | | | |
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** Height of blade sweep varies from project to project; check with project manager.*

**1 – Coursing:** Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing:** Level, direct flight path; not searching for prey
**3 – Perched:** Perching
**4 – Courtship Display:** Swooping calling display

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595

Project Name: AMHERST IS.

Date: MAY 11, 2011

Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 15°C | E2 | 20% | 0 | 0 |

Station #: 2

UTM: 19T 0360817 4889404

Start Time: 826

End Time: 846

Raptor #: NO OWLS

Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | GRASSLAND | |
| 2 | WOODLAND | |
| | | |
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Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) | | | | | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | | | |
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595
Project Name: AMHERST
Date: MAY 10, 2011
Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 14°C | E 1 | 30% | 0 | 0 |

Station #: 8
UTM: 18T 0363107 4890580
Start Time: 808 PM
End Time: 828 PM.
Raptor #: NONE OBSERVED
Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | GRASSLAND (PASTURE) | 12cm + NEW GRASS WITH SCATTERED CLUMPS |
| | LOTS OF WOODEN FENCE POSTS | OF DEAD GRASS |
| 2 | WOODLAND | WET + YOUNG. |
| 3 | GRASSLAND WITH SCATTERED RED CEDARS | |
| | | |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display

Pg. 1 of 1

Signature: Robert Stamp
(Field Personnel)

Quality Control: This form is complete ☐ ~~& legible~~ ☐.

Signature: Katherine Stam
(Project Manager)

REV: 2011-05-06 / FORM 036-b

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Tel: (519) 836-6050
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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595 | Project Name: AMHERST

Date: MAY 10, 2011 | Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 10°C | E 3 | 10% | 0 | 0 |

**Station #:** 9 | **UTM:** 18T 0364276 4891129

**Start Time:** 832 | **End Time:** 852

**Raptor #:** NO BIRDS OBSERVED. | **Age:** (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | GRASSLAND | NEW GRASS 6 cm STANDING DEAD |
| 2 | ~~GRASSLAND~~ | QUEEN ANNE'S LACE 50 cm. |
| 2 | GRASSLAND | NO DEAD WEEDS |
| 3 | GRASSLAND | SCATTERED DEAD WEED & SHRUBS |
| 4 | PLOUGHED FIELD | |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display

Pg. 1 of 1

**Signature:** Robert Stamp (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** Katherine Stam (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595

Project Name: AMHERST ISLAND.

Date: 17 MAY/11

Field Personnel: J. HESLOP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 10°C | NE 15 | 100% | Ø | RAIN |

Station #: AA = 6

UTM: 18 360874E - 4891141N

Start Time: 20:00

End Time: 20:30

Raptor #: NO SEOW OBSERVED

Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
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Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) | | | | | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | | | |
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** Height of blade sweep varies from project to project; check with project manager.*

1 – **Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
2 – **Pursing**: Level, direct flight path; not searching for prey
3 – **Perched**: Perching
4 – **Courtship Display**: Swooping calling display

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine Sh (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595

Project Name: Amherst Is.

Date: 17 MAY /11

Field Personnel: J. Heslop

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 9°C | NE15 | 100% | 0 | RAIN |

Station #: AB = 5

UTM: 18 359762E 4890616N

Start Time: 20:33

End Time: 21:00

Raptor #: No SEOW OBSERVED

Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| | | |
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Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) | | | | | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | | | |
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** Height of blade sweep varies from project to project; check with project manager.*

**1 – Coursing:** Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing:** Level, direct flight path; not searching for prey
**3 – Perched:** Perching
**4 – Courtship Display:** Swooping calling display

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-06 / FORM 03

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Fax: (519) 836-2493

# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595
Project Name: AMHERST IS.
Date: MAY 17 2011
Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 8°C | E-5 | 95% | RAIN JUST STOPPED | RAIN |

Station #: ON 3rd W. OF BIG BEND. =4
UTM: 19T0363460 4888665
Start Time: 822
End Time: 837
Raptor #:
Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | CLOVER & DANDELIONS | GRASSLAND |
| | | |
| | | |
| | | |
| | | |

Provide a line entry for each [illegible]t.

#407

| Time | Behaviour (see definitions be[illegible] | | | | | | | Notes |
|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | | | | |
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display

Pg. 1 of 1
Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑
Signature: (Project Manager)

REV: 2011-05-06 / FORM 036-b

55326

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595 Project Name: AMHERST IS.

Date: MAY 17, 2011 Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 8°C | E-5 | 95% | LIGHT RAIN | RAIN |

**Station #:** STELLA 40FT. BETWEEN 3rd & S. SHORE = 7 **UTM:** 18T 0365379 4889867

**Start Time:** 755 **End Time:** 815

**Raptor #:** **Age:** (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | grassland (hay field) | grasses, dandelions |
| | | |
| | | |
| | | |
| | | |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) | | | | | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | | | |
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display

Pg. 1 of 1

**Signature:** Robert Stamp (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** Kathrin Sh (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160 960 595
Project Name: Amherst
Date: May 30/2011
Field Personnel: Pete Read

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 16 | 0 | 10 % | 0 | T-storms |

Station #: SE 11
UTM: 365614 4893049 #166
Start Time: 8:55
End Time: 9:15
Raptor #:
Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | grasslands pasture | hay / pasture open |
| 2 | brushlands | low bushy areas, grassy |
| 3. | wet spots | fens |
| | | |
| | | |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display

AMWO
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Pg. 1 of 15

Quality Control: This form is complete ☑ & legible ☑.

Signature: P. Read (Field Personnel)

Signature: Kathrin [illegible] (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160 960 595

Project Name: Amherst

Date: May 30/2011

Field Personnel: Pete Read

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 16 | 0 | 10% | 0 | T-storm |

Station #: SE 12

UTM: 366879 4893446 #165

Start Time: 8:20

End Time: 8:40

Raptor #:

Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | grassland | - large pasture area |
| 2 | wet areas | tons / wet spots - some pheasants - some not |
| 3 | dugout | ponds |
| 4 | hedgerow | edges of field / trees, brush |
| 4. | drainage creek | natural low area sloping away to lake |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display

NOHA ♂ EAME
UPSA WISN (2 WTDE)
BOBO



Signature: P. Read
(Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathrin Shaw
(Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595 | Project Name: Amherst

Date: May 31/2011 | Field Personnel: Pete Read

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20 | 2 breezy | <10%. | 0 | 0 |

Station #: SEOW 13 | UTM: 368131 4893989 T-1 193

Start Time: 8:30 | End Time: 8:50

Raptor #: | Age: (e.g. juvenile or adult)

*fields of many sheep, several large dogs "protecting" → noisy + full of activity - no owls seen.

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | grassland | open pasture mainly grass some sedge areas |
| 2. | hedgerow | a few shrubs & trees lining fields |
| | | |
| | | |
| | | |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display



Quality Control: This form is complete ☑ & legible ☑.

Signature: Pete Read (Field Personnel)

Signature: Kathy Sh (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160 960 595
Project Name: Amherst
Date: May 31/2011
Field Personnel: Pete Read

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22 | 2+ | <10 | 0 | 0 |

Station #: SE 15
UTM: 369603 4893228 T-1 #194
Start Time: 8:55
End Time: 9:15
Raptor #:
Age: (e.g. juvenile or adult)

* both sides of road suitable.

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | grassland (East) | open grassland - a few scattered trees |
| 2 | treed grassland (West) | mostly grass with numbers of deciduous trees |
| 3. | Ditch and hedgerow | some trees & shrubs on hedgerows along ditches |
| | | |
| | | |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display

osprey on nest platform down near water
- great habitat for SEOW

Pg. 4 of 15

Signature: P. Read
(Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.
Signature: Katherine [illegible]
(Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595 | Project Name: Amherst Is.

Date: June 1/2011 | Field Personnel: Pete Read

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18 | 3+ NW-NW | <10 | 0 | 0 |

Station #: SE7 | UTM: 365622 4889498 T-1 #214

Start Time: 9:05 | End Time: 9:25

Raptor #: | Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| | Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|---|
| W | 1 | grassland | -lower part and small hills to N & S |
| | | | - a few scattered trees, shrubs |
| W | 2 | fencelines | - some bushes and small trees |
| | | | |
| E | 3 | grassland | with a few hedgerows. |

WISN WTDE
AMWO - flights.

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing:** Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing:** Level, direct flight path; not searching for prey
**3 – Perched:** Perching
**4 – Courtship Display:** Swooping calling display

Pg. 5 of 15

Signature: P. Read (Field Personnel)

Quality Control: This form is complete ☐ ~~& legible~~ ☑.

Signature: [signature] (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160 960 595
Project Name: Amherst Is.
Date: June 1 /2011
Field Personnel: Pete Read

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20 | 3+ W-NW | <10 | 0 | 0 |

Station #: SE 10
UTM: 3666666 4889695 r-1 #213
Start Time: 8:40
End Time: 9:00
Raptor #:
Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | grassland | - gently rolling, widely scattered trees |
| 2 | "ponds" | - small dugouts with mounds beside |
| 3 | weedy areas | - dry dead material prominant in patchy areas. |
| 4 | "hawthorn" areas | - open grass with scattered bushes. |
| | | |

WTDE with fawn

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
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** Height of blade sweep varies from project to project; check with project manager.*
1 – **Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
2 – **Pursing**: Level, direct flight path; not searching for prey
3 – **Perched**: Perching
4 – **Courtship Display**: Swooping calling display



Signature: Peter Read (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.
Signature: Kathiane (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160 960 595 | Project Name: Amherst

Date: June 3 | Field Personnel: Pete Read

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 17 | 1 | 10% | 0 | 0 |

**Station #:** SE 9 | **UTM:** 364498 4891299 #169

**Start Time:** 8:30 | **End Time:** 8:45

**Raptor #:** | **Age:** (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | grassland | - flat to gently rolling |
| 2 | brushlands | - a few areas with scattered trees |
| | | |
| | | |
| | | |

Provide a line entry for each change in behavior or habitat. NOHA & hunting

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display



**Signature:** P. Read (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** Katherine [illegible] (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595 Project Name: Amherst

Date: June 3 Field Personnel: Pete Read.

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 17 | 1 | 10% | 0 | 0 |

**Station #:** 8 **UTM:** 363138 4890596 # 227.

**Start Time:** 8:50 **End Time:** 9:10

**Raptor #:** **Age:**
(e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1. | Grassland | grass with some scattered trees |
| 2. | Wet grass | wet field some dead trees |
| | | |
| | | |
| | | |

Provide a line entry for each change in behavior or habitat. NOHA hunting.

| Time | Behaviour (see definitions below) | | | | | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | | | |
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display



Quality Control: This form is complete ☑ & legible ☑.

**Signature:** P. Read (Field Personnel)

**Signature:** Katherine Stu (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160 960 595
Project Name: Amherst
Date: June 5/2011
Field Personnel: Pete Read

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 16 | 0 | 30% | 0 | -1cm |

Station #: SE 5.
UTM: 359090 4890240 #246
Start Time: 8:55
End Time: 9:15
Raptor #:
Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1. | grassland | open flat grassland |
| 2. | "evergreen forest" | -small patch evergreens - thick. |
| 3. | brush lands | grassy with scattered shrubs |
| | | |
| | | |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) | | | | | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | | | |
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display



Signature: P. Read (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.
Signature: Katherine [illegible] (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160 960 959
Project Name: Amherst
Date: June 5/2011
Field Personnel: Pete Read

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 17 | 0 | 30 % | 0 | .1 cm |

Station #: SE6
UTM: 361044 4891247 #245
Start Time: 8:30
End Time: 8:50
Raptor #:
Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | grassland | -open a bit rolly. |
| 2. | dugout | -large dugout with berms |
| 3. | brushlands | -grassland with scattered evergreens & bushes |
| 4. | Hedgerow | -edge of fields/trees/shrubs |
| | | |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display



Signature: P. Read (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.
Signature: Kathleen [illegible] (Project Manager)

REV: 2011-05-06 / FORM 036-b

Stantec Consulting Ltd.
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Tel: (519) 836-6050
Fax: (519) 836-2493

# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595
Project Name: Amherst
Date: June 6 /2011
Field Personnel: Pete Read

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 17 | 1 | <10% | 0 | 0 |

Station #: 1
UTM: 359079 488005 #176
Start Time: 8:50
End Time: 9:10
Raptor #:
Age: (e.g. juvenile or adult)

both sides appropriate

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | grass land | |
| 2. | wet area drainage | drainage ditch. |
| 2. | marsh | cattails, tall grasses, weeds |
| 3. | wet area 2 | wet sedgy grass |
| | | |

NO HA – both sides of rd.

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
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** Height of blade sweep varies from project to project; check with project manager.*
1 – **Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
2 – **Pursing**: Level, direct flight path; not searching for prey
3 – **Perched**: Perching
4 – **Courtship Display**: Swooping calling display



Signature: P. Read
(Field Personnel)

Quality Control: This form is complete ☐ & legible ☑.
Signature: Kathrine Shu
(Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160 960 595
Project Name: Amherst
Date: June 6/2011
Field Personnel: Pete Read

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 17 | 1 s- | < 10 % | 0 | 0 |

Station #: 2
UTM: 360652 4889320 #205
Start Time: 8:30
End Time: 8:50
Raptor #:
Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | grassland | mainly flat grassland. |
| 2 | Woods | grazed woods. |
| | | |
| | | |
| | | |

NOHA

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display



Signature: P. Read (Field Personnel)

Quality Control: This form is complete ☑ ~~& legible~~ ☑.
Signature: Katherine [illegible] (Project Manager)

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595
Project Name: Amherst
Date: June 7/2011
Field Personnel: Pete Read

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18 | 0 | 20 % | 0 | 0 |

Station #: 3
UTM: 361981 4886761 #265
Start Time: 8:55
End Time: 9:15
Raptor #:
Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | Grassland | open grassy fields. |
| 2. | Scrubland | grass with scattered bushes/trees |
| | | |
| | | |
| | | |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display

NOHA



Signature: P. Read (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.
Signature: Kathi[illegible] (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595
Project Name: Amherst
Date: June 7
Field Personnel: Pete Read

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20 | 0 | 20% | 0 | 0 |

Station #: 4
UTM: 363132 4888277 #264
Start Time: 8:30
End Time: 9:50
Raptor #:
Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1 | Grassland | gently rolling pastures/hayfields |
| 2. | Brushland | grass with scattered trees/bushes |
| 3. | Plowed field | cultivated land |
| 4. | Wetlands | grassy wet field. (south by marsh) |
| 5. | Wetlands | swamp/dead trees (S.E) |
| 6. | Wetlands | marsh (S.W.) |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing:** Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing:** Level, direct flight path; not searching for prey
**3 – Perched:** Perching
**4 – Courtship Display:** Swooping calling display

NOHA WISN RIPH
AMBI



Signature: P. Read
(Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.
Signature: Katherine [illegible]
(Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160 960 595

Project Name: Amherst

Date: June 9/2011

Field Personnel: Pete Read

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 19 | 3 NE | 100 % | 0 | 1 cm |

Station #: 14

UTM: 369331 4891966 #286

Start Time: 8:40

End Time: 9:00

Raptor #:

Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| 1. | Grassland | gently rolling grass area |
| 2 | Grassland two | taller grass area to NW (pond edge :) |
| | | |
| | | |
| | | |

Provide a line entry for each change in behavior or habitat. RTHA hunting

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
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** Height of blade sweep varies from project to project; check with project manager.*

1 – **Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
2 – **Pursing**: Level, direct flight path; not searching for prey
3 – **Perched**: Perching
4 – **Courtship Display**: Swooping calling display

200 BCCO flew to NE over this spot in blade height 0:49

Pg. 15 of 15

Quality Control: This form is complete ☑ & legible ☑.

Signature: P. Read (Field Personnel)

Signature: Kathrine Shu (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595

Project Name: Amherst

Date: June 21, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 21 | NE (1) | 100 | 0 | 0 |

Station #: 1 / 176

UTM:

Start Time: 8:45 p.m.

End Time: 9:05 pm

Raptor #:

Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
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Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) | | | | | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | | | |
| | | No raptors | | | | | | |
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** Height of blade sweep varies from project to project; check with project manager.*

1 – **Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
2 – **Pursing**: Level, direct flight path; not searching for prey
3 – **Perched**: Perching
4 – **Courtship Display**: Swooping calling display



Signature: AW (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathrin [illegible] (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595

Project Name: Amherst

Date: June 21, 2011

Field Personnel: Alan Worrington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 21 | NE (1) | 90 | 0 | 0 |

Station #: 2 / 205

UTM:

Start Time: 8:17 pm

End Time: 8:37 pm

Raptor #:

Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
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Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| N. Harrier – 2 birds (pair) in fields; ♂ hunting; ♀ sitting on post | | | | | | | | |
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** Height of blade sweep varies from project to project; check with project manager.*

**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display



Signature: AW (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: Katherine [illegible] (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595
Project Name: Amherst
Date: June 14/11
Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 13 | 0 | 0 | 0 | 0 |

Station #: 03
UTM:
Start Time: 0857 pm
End Time: 0917 pm
Raptor #:
Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| | | |
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Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| N Harrier | | | | | | 1 m | hunting | well to W, N side of road |
| | | | | | | | | |
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display



Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Kathryn Su (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595
Project Name: Amherst
Date: June 14/11
Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 15 | 0 | 0 | 0 | 0 |

Station #: 04
UTM:
Start Time: 0830 pm
End Time: 0850 pm
Raptor #:
Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| | | |
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Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| N Harrier | | | | | | | | 1♂ hunting over fields far to SE |
| " | 4 | | | | | | | 1♂ flying high going W |
| | | | | | | | | |
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* Height of blade sweep varies from project to project; check with project manager.
1 – **Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
2 – **Pursing**: Level, direct flight path; not searching for prey
3 – **Perched**: Perching
4 – **Courtship Display**: Swooping calling display

Viewing mostly to the south; virtually nothing on N side of road.

Pg. 4 of 15

Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Kathrin Sa (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595
Project Name: Amherst
Date: June 16/11
Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18 | 0 | 60 | 0 | 0 |

Station #: 5 /246
UTM:
Start Time: 0857
End Time: 0917
Raptor #:
Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| | | |
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Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) | | | | | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | | | |
| | No raptors | | | | | | | |
| | | | | | | | | |
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display

The only habitat is South of the road

Pg. 5 of 15

Signature: AW (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathrin [illegible] (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595
Project Name: Amherst
Date: June 16 /11
Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20 | 0 | 50 | 0 | 0 |

Station #: 6 / 245
UTM:
Start Time: 0833
End Time: 0853
Raptor #:
Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| | | |
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Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| Purple Martin | | | | — | 3+ | foraging over | | fields at "B+ height |
| No raptors | | | | | | | | |
| | | | | | | | | |
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* *Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display

Only the south side of Bad has habitat

Pg. 6 of 15

Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Kathleen Sam (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595
Project Name: Amherst
Date: June 15/11
Field Personnel: A Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20 | 0 | 20 | 0 | 0 |

Station #: 7
UTM:
Start Time: 0853 pm
End Time: 0913 pm
Raptor #:
Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| | | |
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Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) | | | | | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | | | |
| | No raptors | | | | | | | |
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display



Quality Control: This form is complete ☐ & legible ☐.

Signature: AW (Field Personnel)

Signature: Katherine Spence (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160 960 595

Project Name: Amherst

Date: June 24, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20 | S (1) | 80 | ~~trace~~ light | — |

Station #: 8 / 227

UTM:

Start Time: 825 pm

End Time: 845 pm

Raptor #:

Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| | | |
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Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| | No Raptors | | | | | | | |
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** Height of blade sweep varies from project to project; check with project manager.*

**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display



Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Katherine Sparrow (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595

Project Name: Amherst

Date: June 24, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20 | S (1) | 80 | ~~Light~~ trace | — |

Station #: 9/169

UTM:

Start Time: 849 pm

End Time: 909 pm

Raptor #:

Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| N Harrier – 1 ♀ hunting low over fields to the NW | | | | | | | | |
| | | | | | | | | |
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** Height of blade sweep varies from project to project; check with project manager.*

**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display



Quality Control: This form is complete ☑ & legible ☑.

Signature: AW (Field Personnel)

Signature: Kathryn Sun (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595

Project Name: Amherst

Date: June 15/11

Field Personnel: Alan Worrington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22 | 0 | 10% | 0 | 0 |

Station #: 10

UTM:

Start Time: 826 pm

End Time: 846 pm

Raptor #:

Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| Red-tailed Hawk → one ad perched in isolated dead tree, then flew N | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
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* *Height of blade sweep varies from project to project; check with project manager.*

1 – **Coursing**: Low patrolling flight over grass or weedy areas / searching for prey

2 – **Pursing**: Level, direct flight path; not searching for prey

3 – **Perched**: Perching

4 – **Courtship Display**: Swooping calling display

Looking 100% to the N of road
A mosaic of meadows with scattered trees + shrubs. Actually looks good for Henslows in the distance!

Pg. 10 of 15

Quality Control: This form is complete ☑ & legible ☑

Signature: AW (Field Personnel)

Signature: Kathrin [illegible] (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595

Project Name: Amherst

Date: June 26, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18 | W (1) | 35 | 0 | trace |

Station #: 11 / 166

UTM:

Start Time: 834 pm

End Time: 854 pm

Raptor #:

Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| – Red-tailed Hawk – 1 sitting in tree along woods to the SE (2.0 km? | | | | | | | | |
| N Harrier – total of 3 ♀ and 2 ♂ ~~breeding~~ hunting in fields to S | | | | | | | | |
| – thus a minimum of 3 breeding pairs. | | | | | | | | |
| | | | | | | | | |
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** Height of blade sweep varies from project to project; check with project manager.*

1 – **Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
2 – **Pursing**: Level, direct flight path; not searching for prey
3 – **Perched**: Perching
4 – **Courtship Display**: Swooping calling display



Signature: AW (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: Kathleen Stan (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595
Project Name: Amherst
Date: June 27, 2011
Field Personnel: Alan Worrington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20 | 0 | 50 | 0 | 0 |

Station #: 12/165
UTM:
Start Time: 822 pm
End Time: 842 pm
Raptor #:
Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| — | No Raptors | | | | | | | |
| | | | | | | | | |
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** Height of blade sweep varies from project to project; check with project manager.*
**1 – Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
**2 – Pursing**: Level, direct flight path; not searching for prey
**3 – Perched**: Perching
**4 – Courtship Display**: Swooping calling display



Signature: AW (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.
Signature: Kathleen Shu (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595

Project Name: Amherst

Date: June 27, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20 | 0 | 50 | 0 | 0 |

Station #: 13 / 193

UTM:

Start Time: 0846 pm

End Time: 906 p.m.

Raptor #:

Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| | | |
| | | |
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| | | |
| | | |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| – No Raptors (too many sheep?) | | | | | | | | |
| – Upland Sandpiper displaying 1/2 km to the SSW. | | | | | | | | |
| – ♂ House Finch singing at Point Count (N side of road) | | | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |

** Height of blade sweep varies from project to project; check with project manager.*

1 – **Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
2 – **Pursing**: Level, direct flight path; not searching for prey
3 – **Perched**: Perching
4 – **Courtship Display**: Swooping calling display



Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595

Project Name: Amherst

Date: June 22, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20 | E (1) | 100 | 0 | lots! |

Station #: 14 / 286

UTM:

Start Time: 8:17 p.m

End Time: 8:37 p.m.

Raptor #:

Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| | | |
| | | |
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| | | |
| | | |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| N. Harrier – 1♀ hunting over fields | | | | | | | | |
| Red-tailed Hawk – 1 flying @ B height far off to the N (hunting) | | | | | | | | |
| Upland Sandpiper – 1 displaying adjacent to car @ A height (N side road) | | | | | | | | |
| N Harrier – 1♂ flying low + then landed on post, then resumed hunting | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

** Height of blade sweep varies from project to project; check with project manager.*

1 – **Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
2 – **Pursing**: Level, direct flight path; not searching for prey
3 – **Perched**: Perching
4 – **Courtship Display**: Swooping calling display



Signature: AW (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-06 / FORM 036-b

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# Breeding Short-eared Owl Observational Survey Form

Project Number: 160960595

Project Name: Amherst

Date: June 22, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20 | E (1) | 100 | 0 | lots! |

Station #: 15/194

UTM:

Start Time: 0845 pm

End Time: 905 pm

Raptor #:

Age: (e.g. juvenile or adult)

Provide a description of each habitat unit within the observational area.

| Habitat Unit # | Habitat Type (i.e. woodland, grassland, crop, wetland) | Description |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

Provide a line entry for each change in behavior or habitat.

| Time | Behaviour (see definitions below) 1 | 2 | 3 | 4 | 5 | Height* (m) | Habitat Unit # (from table above) | Notes |
|---|---|---|---|---|---|---|---|---|
| – Osprey family on artificial platform far off to the east | | | | | | | | |
| – ♂ Willow Flycatcher singing on W side of road | | | | | | | | |
| – ♀ N Harrier hunting low on W side of road | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

** Height of blade sweep varies from project to project; check with project manager.*

1 – **Coursing**: Low patrolling flight over grass or weedy areas / searching for prey
2 – **Pursing**: Level, direct flight path; not searching for prey
3 – **Perched**: Perching
4 – **Courtship Display**: Swooping calling display



Signature: AW (Field Personnel)

Quality Control: This form is complete ☒ & legible ☒.

Signature: Kathrin [illegible] (Project Manager)

REV: 2011-05-06 / FORM 036-b

Cruickshank property

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# Wildlife Habitat and Incidental Wildlife Observation Form

Project Number: 160960595

Project Name: AMHERST

Date / Time: APR. 30, 2012 10AM

Field Personnel: BOB STANIT

| Weather Conditions: | Temp: 12 | Wind: | Cloud: | PPT: 0 | PPT in last 24 hrs: 0 |
|---|---|---|---|---|---|

## Wildlife Habitat

*List specific microhabitats present (snags, logs, hibernacula, vernal pools etc.) and what community they were encountered in (use ELC code where applicable).*

FRAGMITES LOW SPOT IN AGR. FIELD.

GR. DOGWOOD

## Incidental Species Observations

*List species and type of observation:*
*(**TK** = track, **SC** = scat, **VO** = vocalization, **OB** = observed, **DP** = distinctive parts, **FE** = feeding evidence, **CA** = carcass, **FY** = eggs, nest, **HO** = house/den, **SI** = other sign)*

| Birds | Mammals | Herps | Butterflies / Dragonflies | Other |
|---|---|---|---|---|
| *i.e. AMRO/VO* | | CHFR 20 30 FROGS<br>SBBE 10 FROGS | | |

Quality Control: This form is complete (✓) & legible (✓).

Signature: [signature] (Field Personnel)

Signature: [signature] (Project Manager)

Page 1 of _____

REV: May, 07 Form 006

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# Amphibian Call Survey Observation Form

Project Number 160960595

Project Name: Amherst Island WP

Date June 9, 2012

Field Personnel: Sarah Rogers

| Weather Conditions: | Temp: 18°C | Wind: 2 | Cloud: 60% | PPT: Ø | PPT in last 24 hrs: 1-3mm |
|---|---|---|---|---|---|

| Visit Number: | # | | |
|---|---|---|---|
| Start Time: | 21:20 | End Time: | 21:35 |

- **Record Start Time at Each Station**

station start/stop 21:25 - 21:28

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | X |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

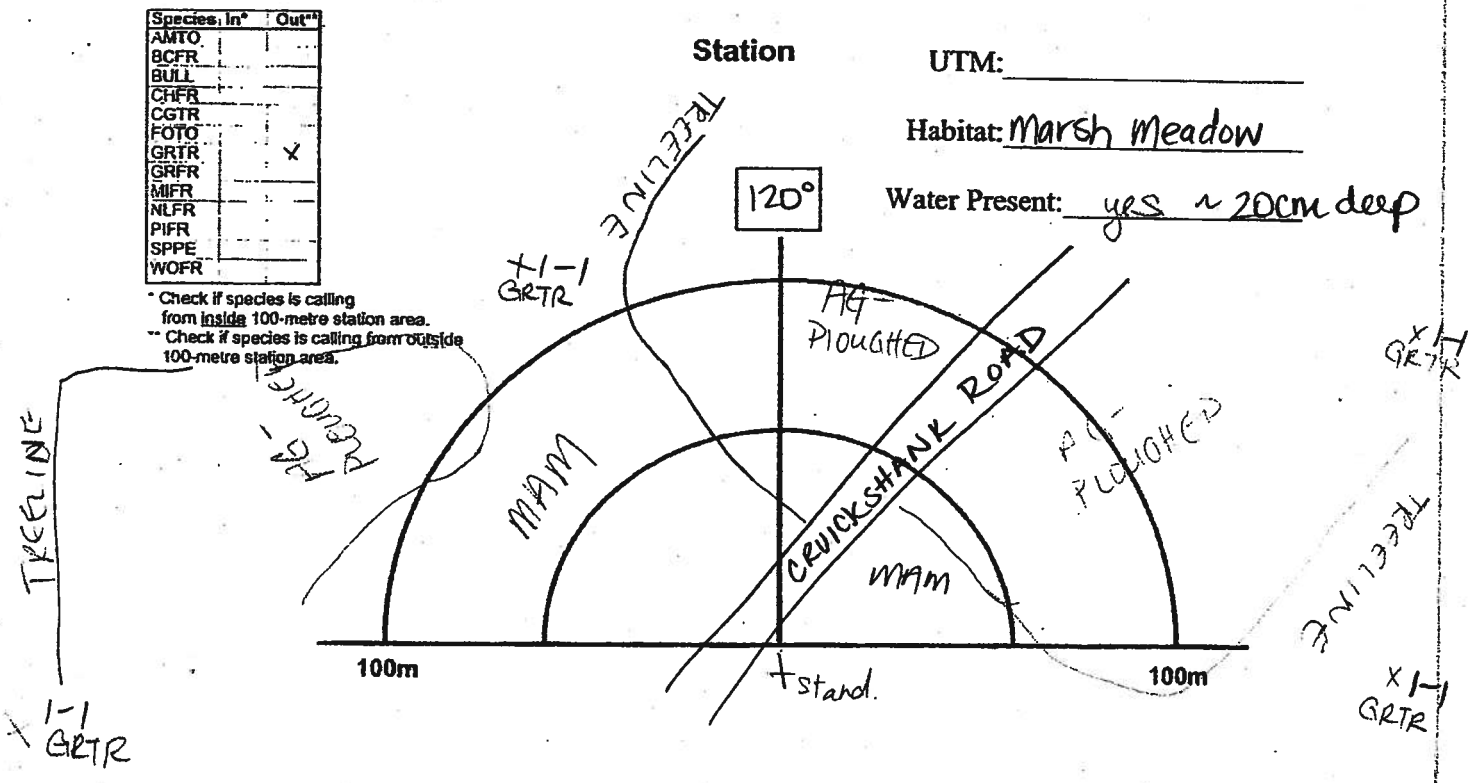
* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

Station

UTM:

Habitat: Marsh Meadow

Water Present: yes ~20cm deep




Quality Control: This form is complete (_) & legible (_).

Signature: (Field Personnel)

Signature: Katherine Sh (Project Manager)

Page 1 of 1

REV: Mar, 09 Form 003

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# Amphibian Call Survey Observation Form

Project Number 160960595 Project Name: Amherst Island

Date May 18 / 2012 Field Personnel: Josh Mansell

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 14°c. | 5 5 km/h | 90% | Ø | Ø |

| Visit Number: | # | | |
|---|---|---|---|
| Start Time: | 21:10 | End Time: | 21:25 |

- **Record Start Time at Each Station**

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | X |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

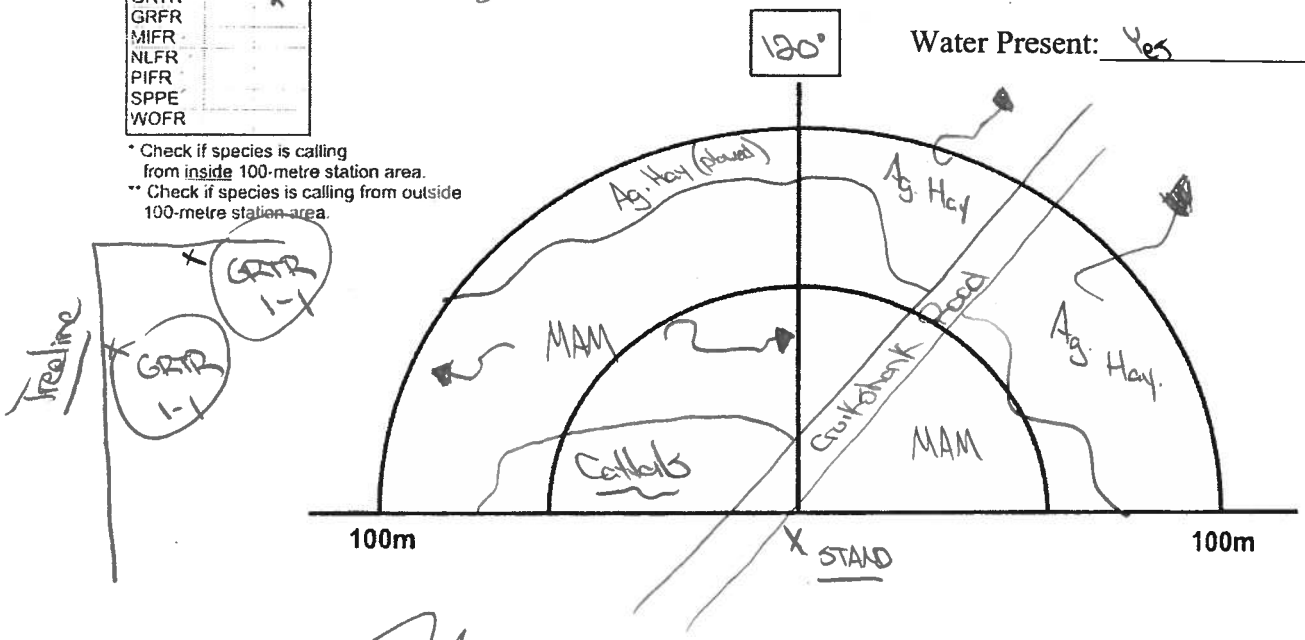
21:15
21:19

**Station** A

UTM: 369859 N 4897772 E

Habitat: Marsh Meadow - Standing Water

Water Present: Yes




Quality Control: This form is complete (__) & legible (__).

Signature: _____ (Field Personnel)

Signature: Katherine [illegible] (Project Manager)

Page 1 of 1

REV: Mar, 09 Form 003

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# Amphibian Call Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island wp

Date: June 9, 2012

Field Personnel: Sarah Rogers

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 18°C | 2 | 60% | Ø | 1-3mm |

| Visit Number: | # | | |
|---|---|---|---|
| Start Time: | 21:20 | End Time: | 21:35 |

- **Record Start Time at Each Station**

station start/stop 21:25 - 21:28

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | X |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

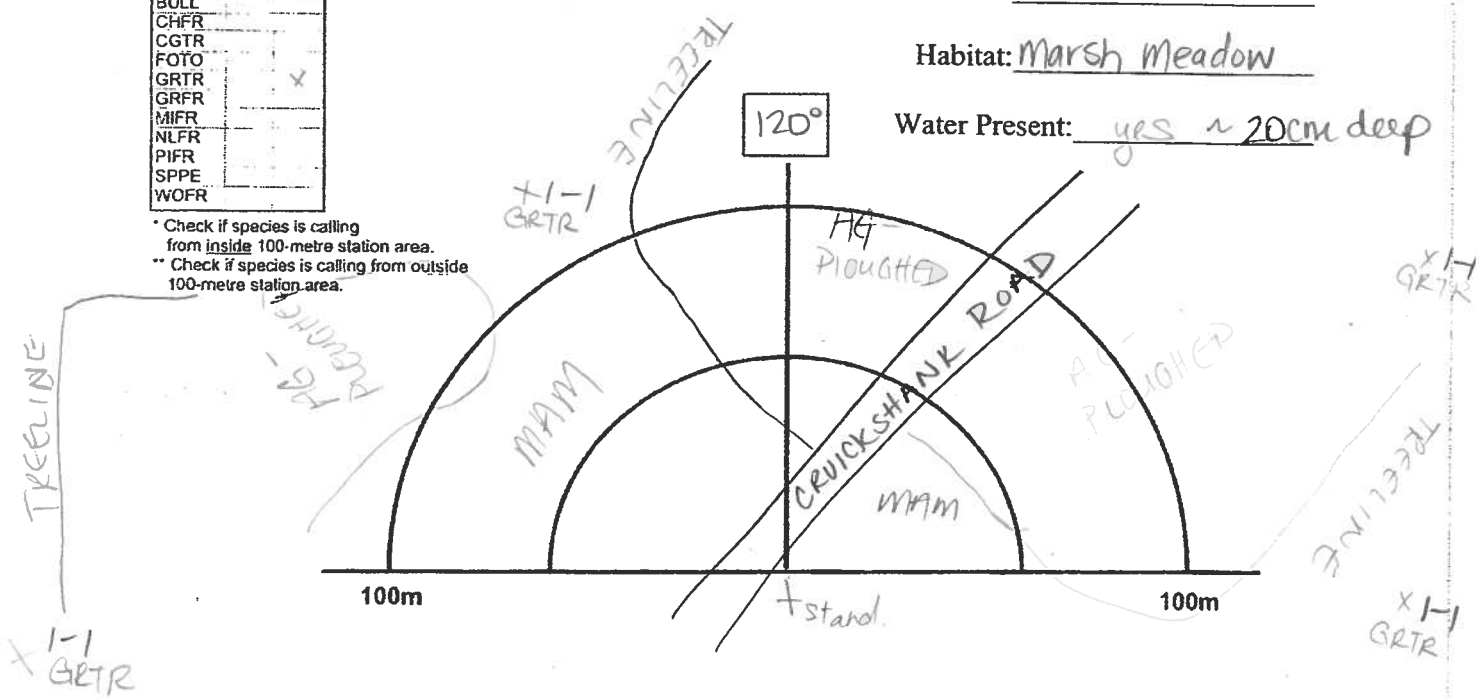
* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

Station

UTM:

Habitat: Marsh Meadow

Water Present: yes ~20cm deep




Quality Control: This form is complete (__) & legible (__).

Signature: (Field Personnel)

Signature: (Project Manager)

Page 1 of 1

REV: Mar, 09 Form 003

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# Amphibian Call Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: Apr 19, 2011

Field Personnel: B. Holden, J. Heslop

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 7°C | 3-4 ENE | 100% | / | — |

15 0364195 4887527

| | | | |
|---|---|---|---|
| Visit Number: | 1 | | |
| Start Time: | 1945 | End Time: | 2200 |

- **Record Start Time at Each Station**

18T 364616 4888247

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | ✓ |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | ✓ | ✓ |
| PIFR | | |
| SPPE | ✓ | ✓ |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

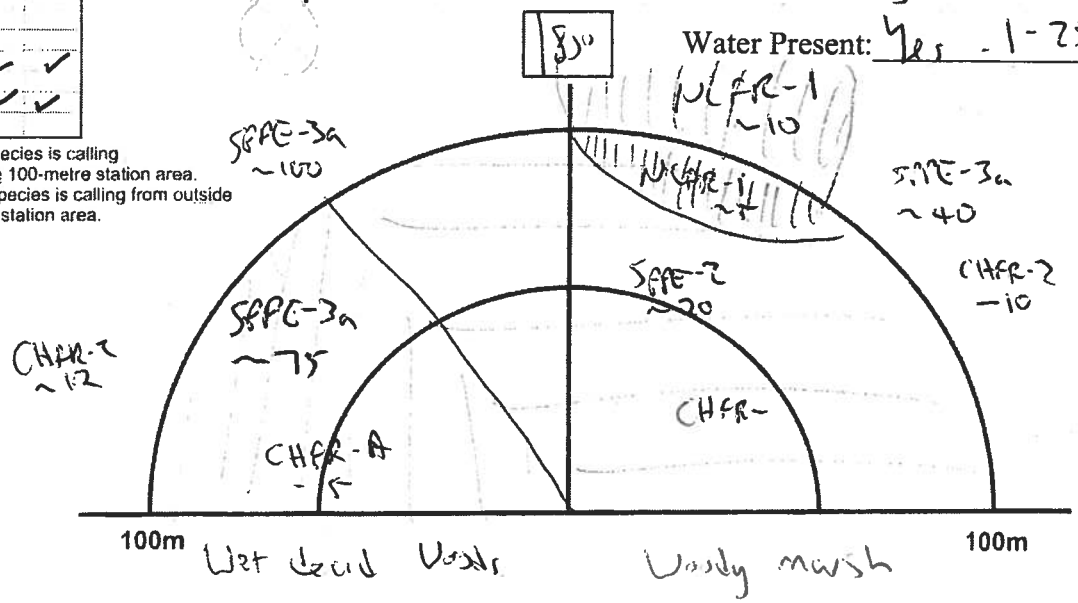
7:49

Station 23 (6)

UTM:

Habitat: Woody Swamp

Water Present: Yes - 1-25"




Quality Control: This form is complete (__) & legible (__).

Signature: (Field Personnel)

Signature: (Project Manager)

Page 1 of 5

REV: Mar, 09 Form 003

(15)

Station 5

UTM: 18T 0363871 4887445

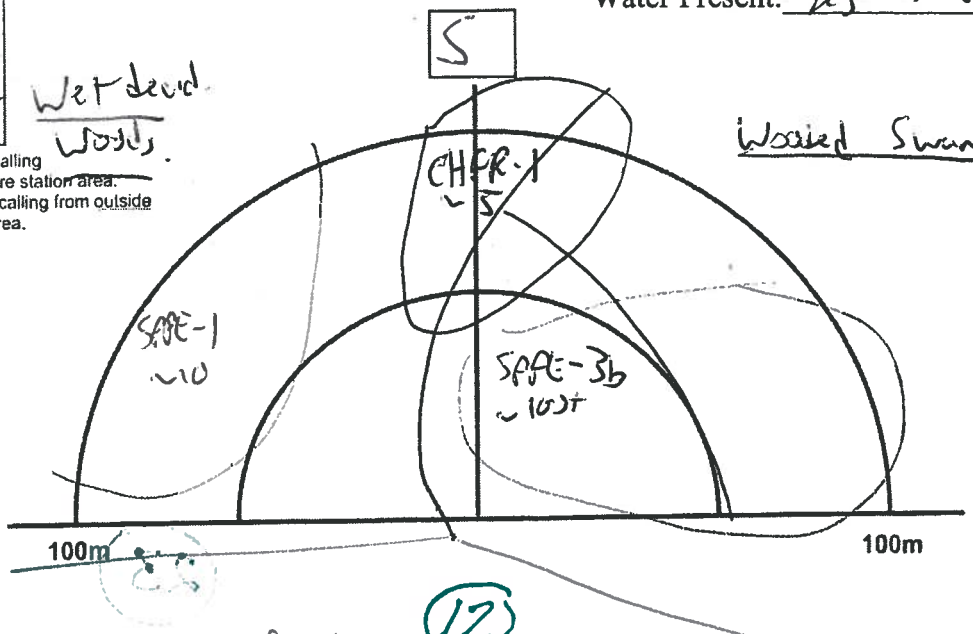
Habitat: on map

Water Present: yes - 5-25"

8:10

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | ✓ |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | ✓ | ✓ |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.




(12)

Station ~~8~~

UTM: 18T 0362168 4886966

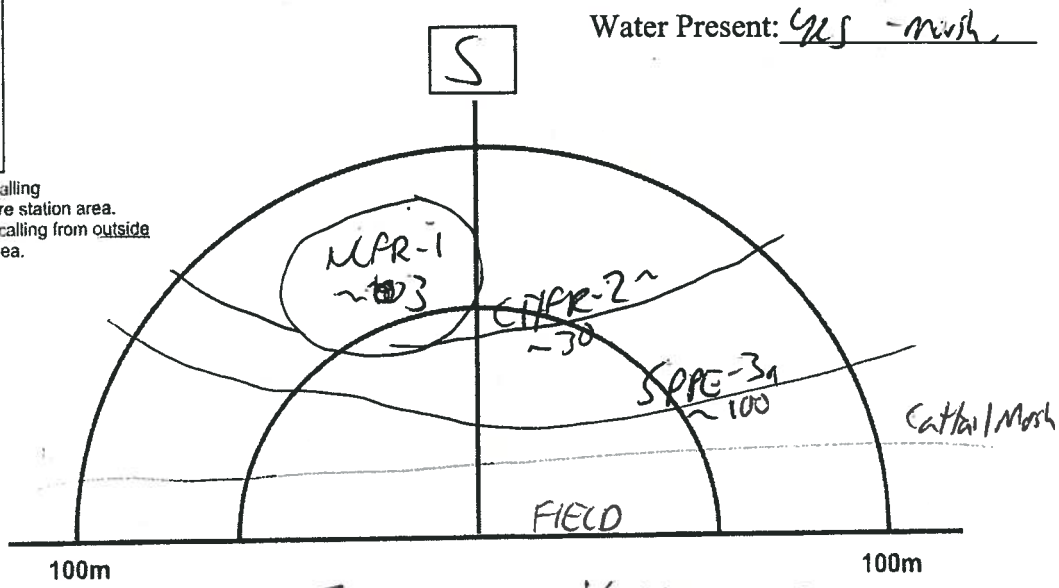
Habitat (cattail) Marsh

Water Present: yes - marsh.

8:35

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | ✓ |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | ✓ | |
| PIFR | | |
| SPPE | ✓ | ✓ |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.




(Field Personnel) (Project Manager)



REV: Mar, 09 Form 003

18T
0361655
4886989

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | ✓ | |
| PIFR | | |
| SPPE | ✓ | ✓ |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

841

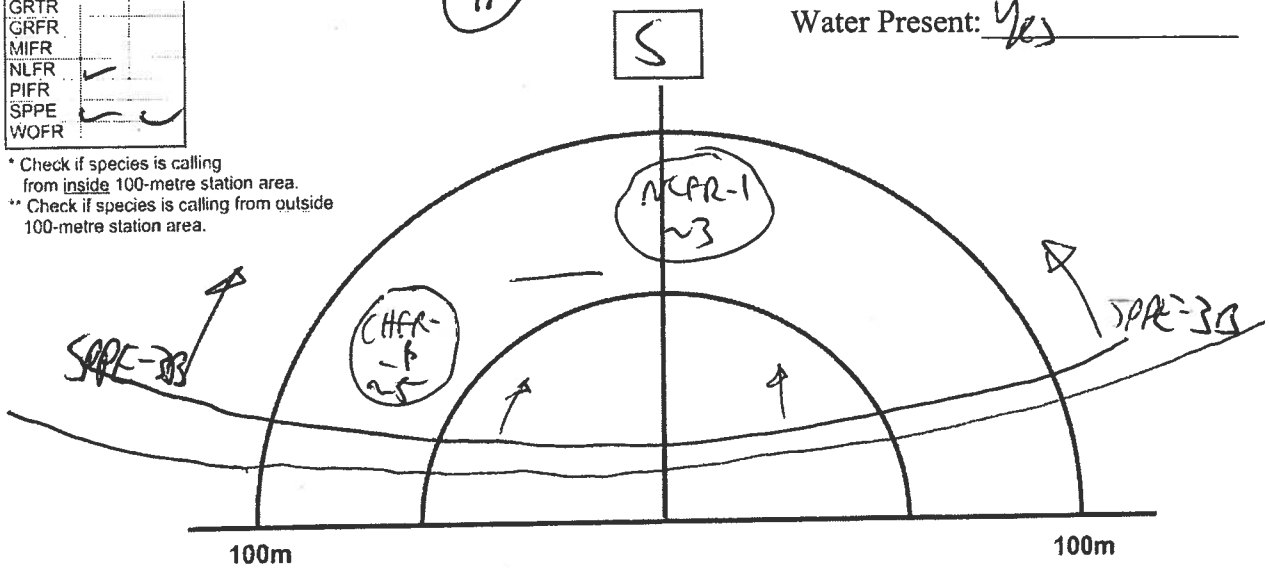
11

**Station** 7

UTM: _____

Habitat: All Cattail Marsh

Water Present: Yes




18T 0360065 4886478

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | ✓ | ✓ |
| WOFR | ✓ | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

851

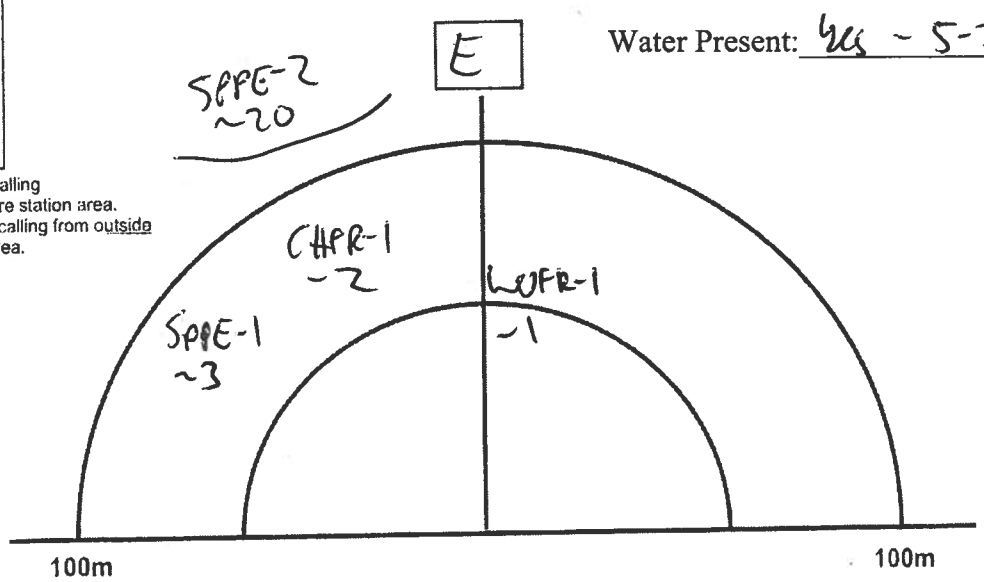
6

**Station** 13

UTM: _____

Habitat: Wooded Reed Swamp

Water Present: Yes ~ 5-30"




Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)

Page 3 of 5

REV: Mar, 09 Form 003

18T 0359787
4886849

(5)

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | ✓ | ✓ |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

SPPE very low

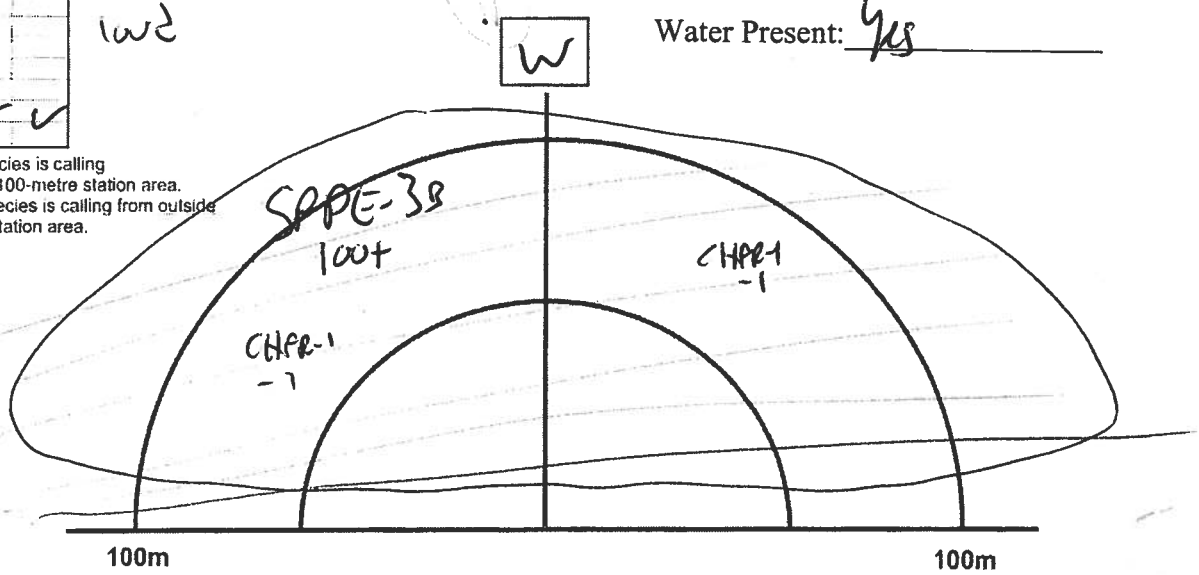
9:04

Station .11

UTM:

Habitat: flooded Decid Woods

Water Present: yes




(4)

18T 0359680

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | ✓ |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

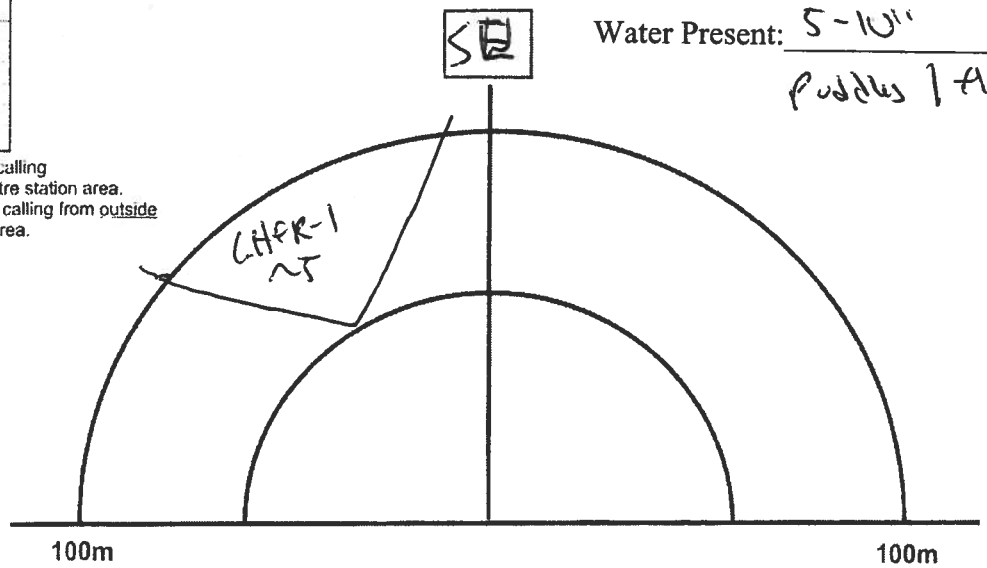
9:17

Station new 12

UTM: 4887373

Habitat: Wet Woods

Water Present: 5-10" puddles / flooded




Signature: [illegible] (Field Personnel)

Signature: [illegible] (Project Manager)



REV: Mar, 09 Form 003

18T 0357766

4886159

(2) Station 9

9:29

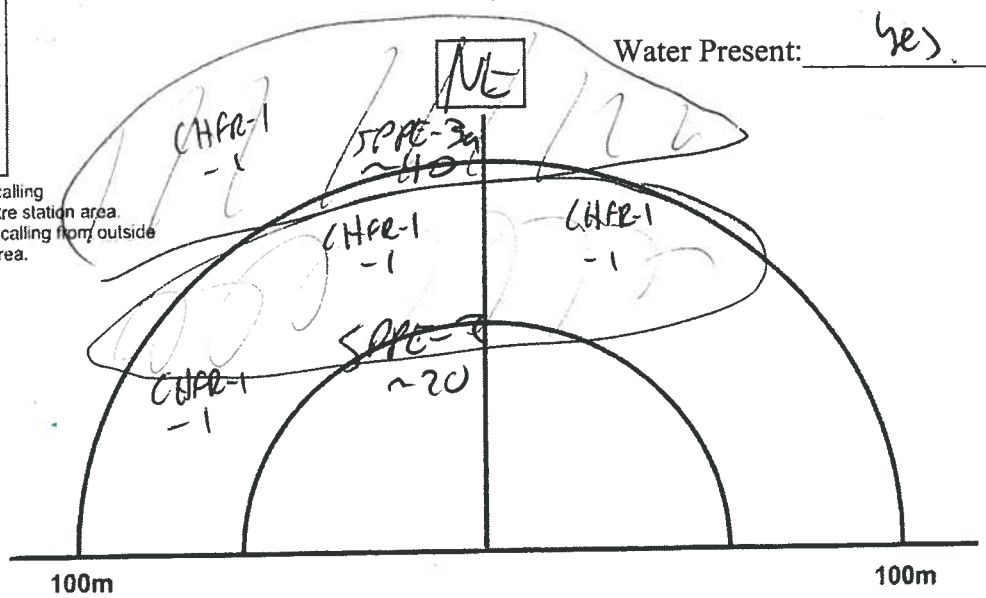
UTM: 

Habitat: Cattail Marsh

Water Present: yes.

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | ✓ |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | ✓ | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.




18T 0358385

(24) Station 10

9:49

UTM: 

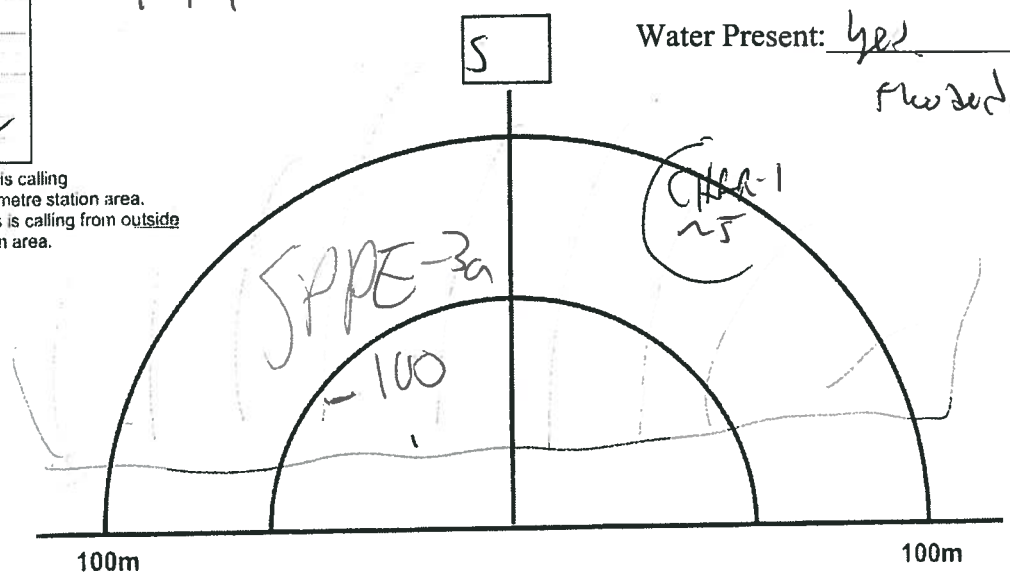
Habitat: Wet Woody Cattail Marsh

Water Present: yes

flooded.

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | ✓ |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | ✓ | ✓ |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.




SPPE widely spread out.

Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)

Page 5 of 5

REV: Mar, 09 Form 003

Stantec Consulting Ltd.
70-1 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Amphibian Call Survey Observation Form

Project Number: 160960595 Project Name: Amherst Island

Date: ~~Apr 19, 2011~~ Apr 20, 2011 Field Personnel: B. Holden, J. Heslop

| Weather Conditions: | Temp: 4-3 °C | Wind: 6-7 km/h | Cloud: 100% | PPT: Drizzle | PPT in last 24 hrs: RAIN |
|---|---|---|---|---|---|

| | | | |
|---|---|---|---|
| Visit Number: | 1 | | |
| Start Time: | 20:00 | End Time: | 21:30 |

- **Record Start Time at Each Station**

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | ✓ |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| [illegible] | ✓ | ✓ |
| PIFR | | |
| SPPE | ✓ | ✓ |
| WOFR | | |

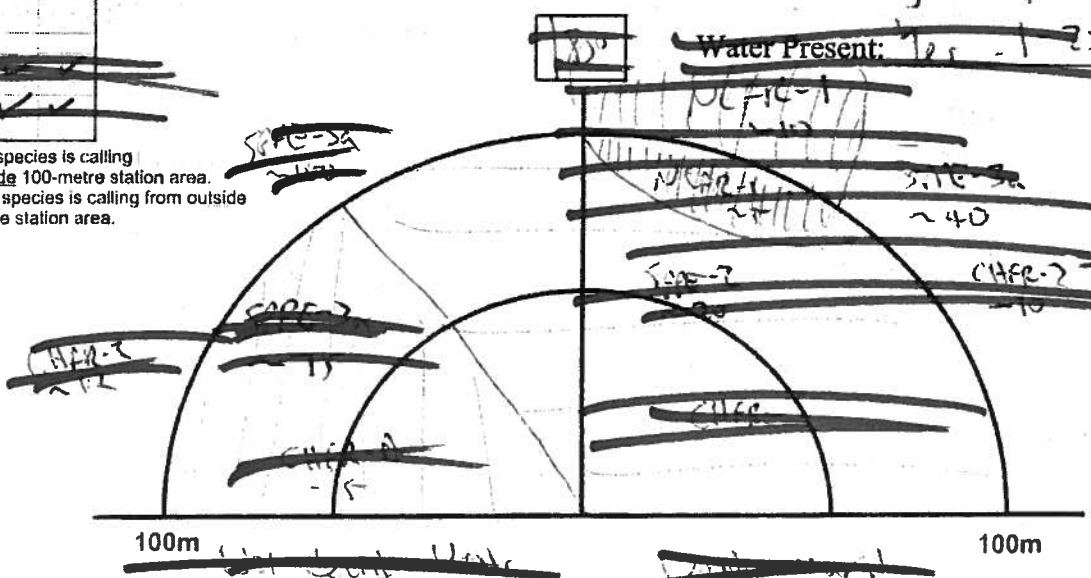
* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

Station

UTM:

Habitat:

Water Present:




SEE PAGE TWO

Quality Control: This form is complete (__) & legible (__).

Signature: _____ (Field Personnel) Signature: _____ (Project Manager)

Page 1 of 3

REV: Mar, 09 Form 003

Very windy.

22

Station 14

18T 0367599

UTM: 4892436

Habitat: Wet Young dead wood.

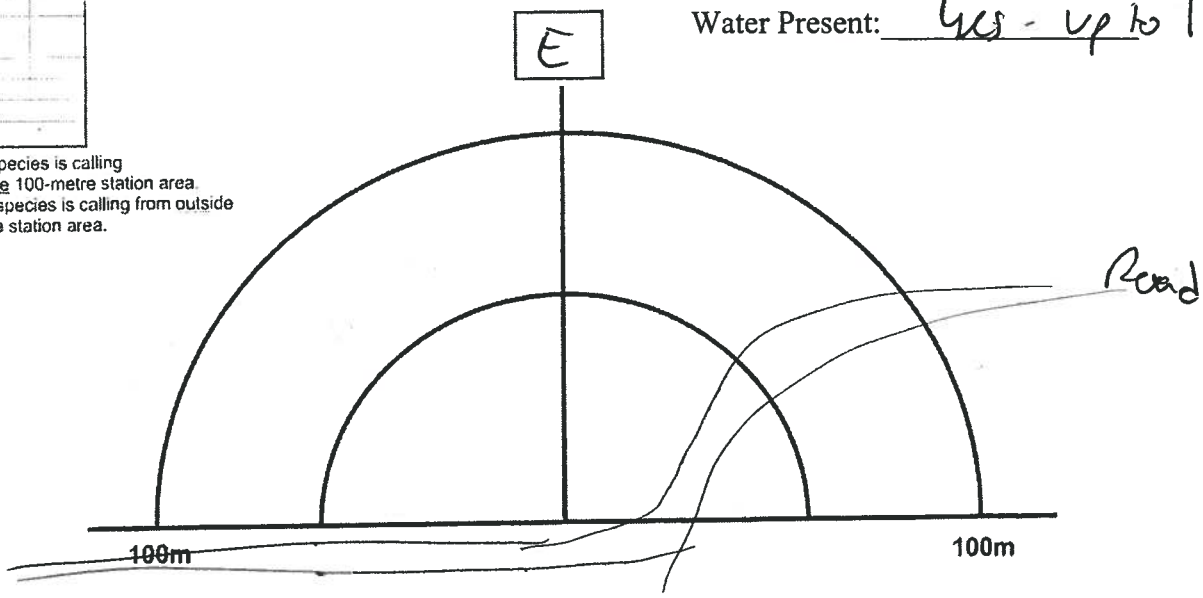
Water Present: yes - up to 1 foot

8:02

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

No frogs heard




17

Station 1

18T 0367691 4891081

UTM:

Habitat: Wet Juniper Scrub.

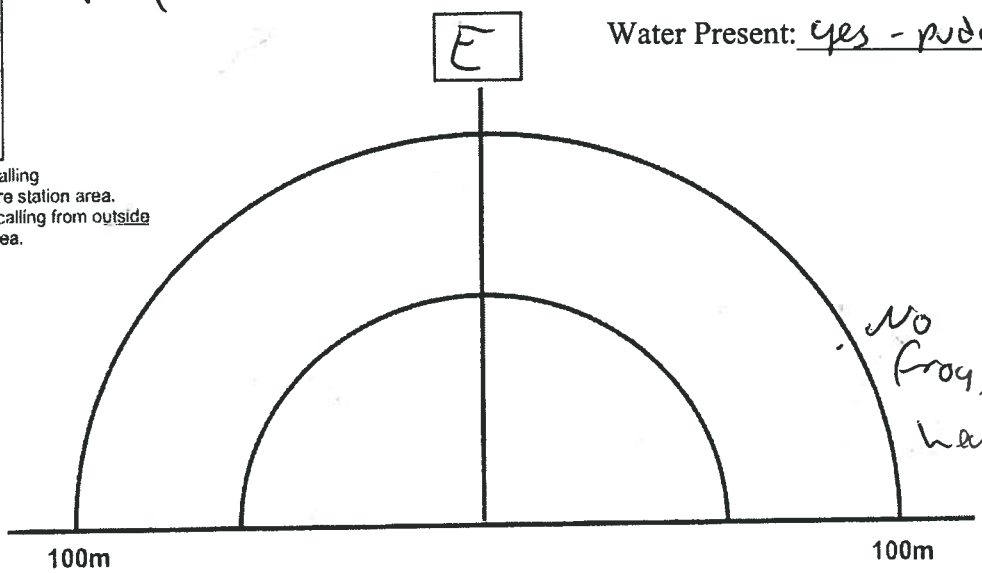
Water Present: yes - puddles

8:19

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

Light Rain & wind.




Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)



REV: Mar, 09 Form 003

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

8:50

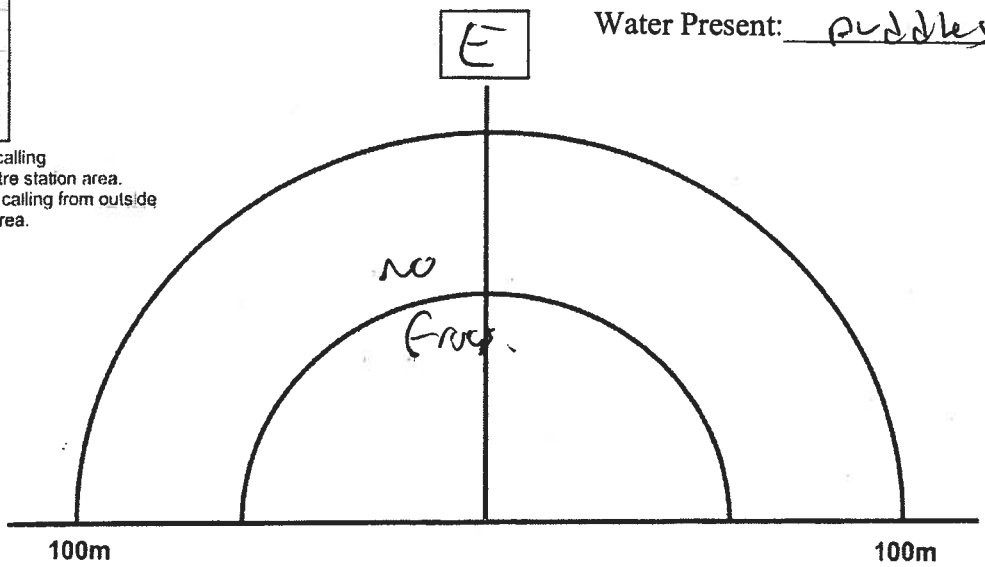
(1)

**Station** 3

UTM: _____

Habitat: Wet Juniper Scrub

Water Present: puddles




| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

9:19

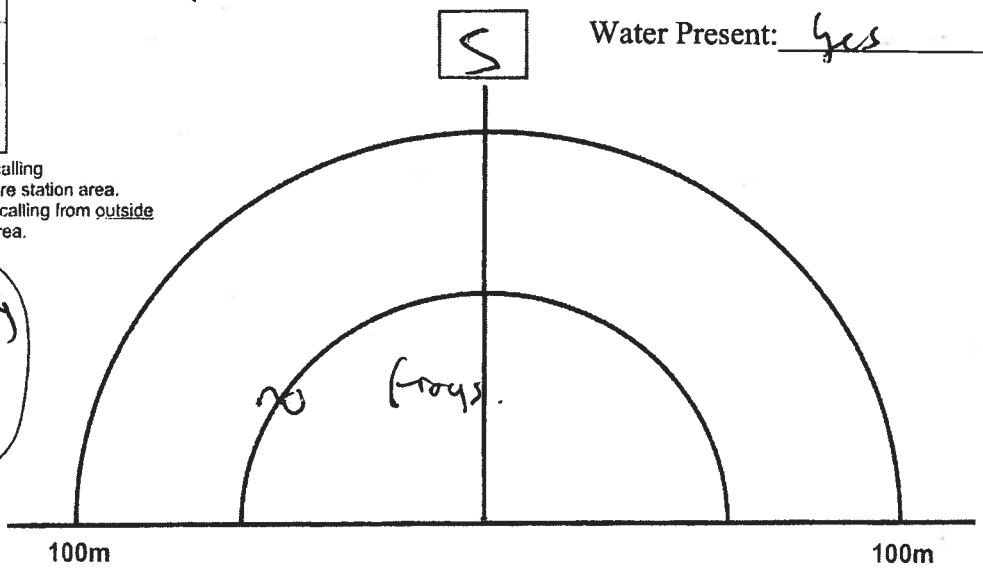
(19)

**Station** 2

UTM: 16T 0363001 4846108

Habitat: Wet Woods

Water Present: yes




very windy ? Drizzle

Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)



REV: Mar, 09 Form 003

poor weather, count not conducted.

21

STATION MOVED. to creek @ Lookout edge, access off of Stella 40ft

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

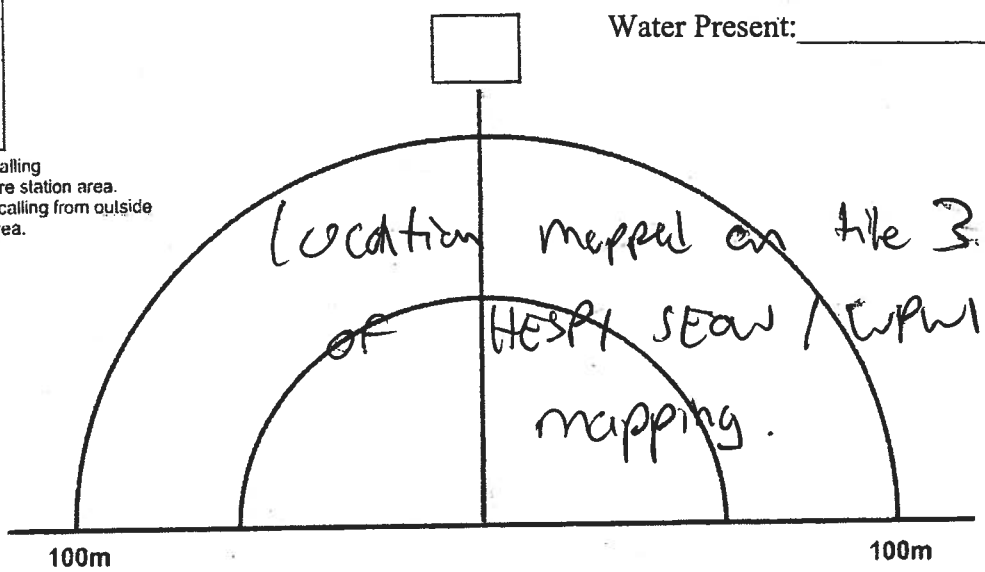
* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

**Station** 4

UTM:

Habitat: Road.

Water Present:




| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

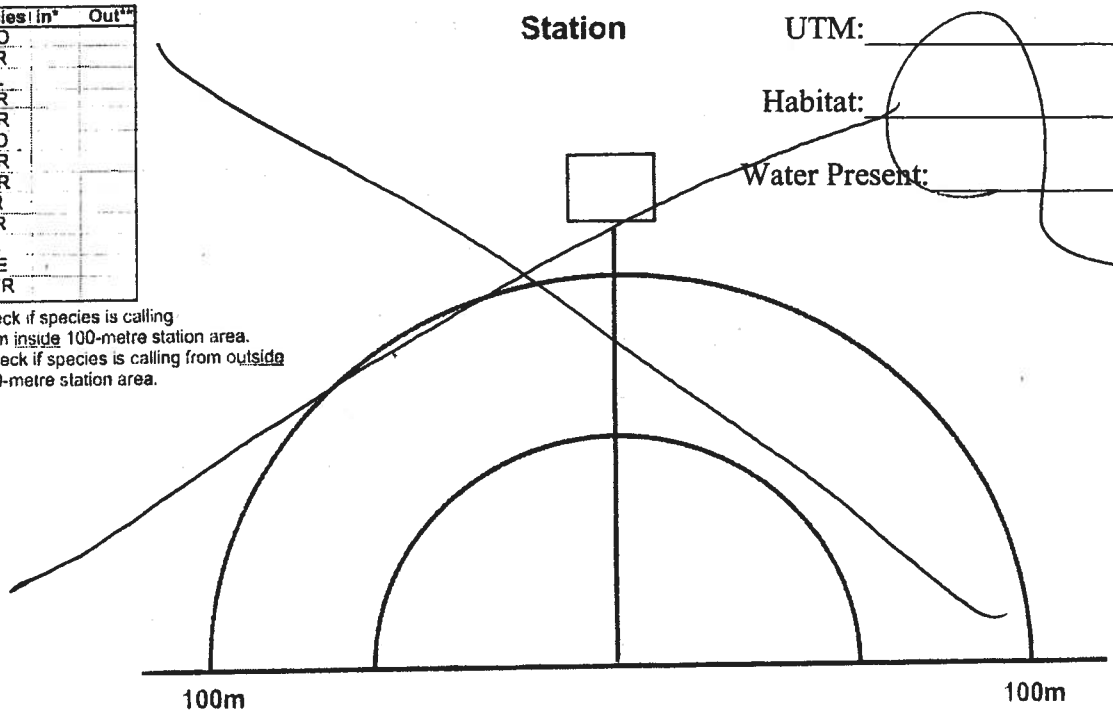
* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

**Station**

UTM:

Habitat:

Water Present:




Signature: (Field Personnel)

Signature: (Project Manager)



REV: Mar, 09 Form 003

Very windy.

18T 0367599

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

8:02

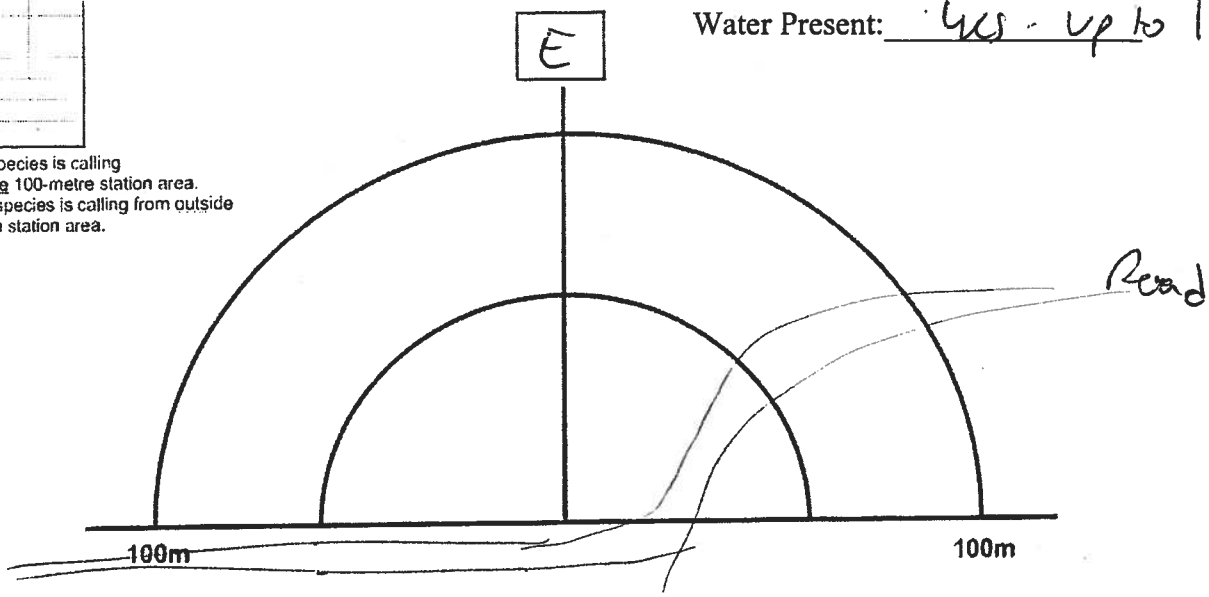
Station 14

UTM: 4892436

Habitat: Wet Young dead wo

Water Present: yes - up to 1f

No frogs heard




| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

8:19

Station 1

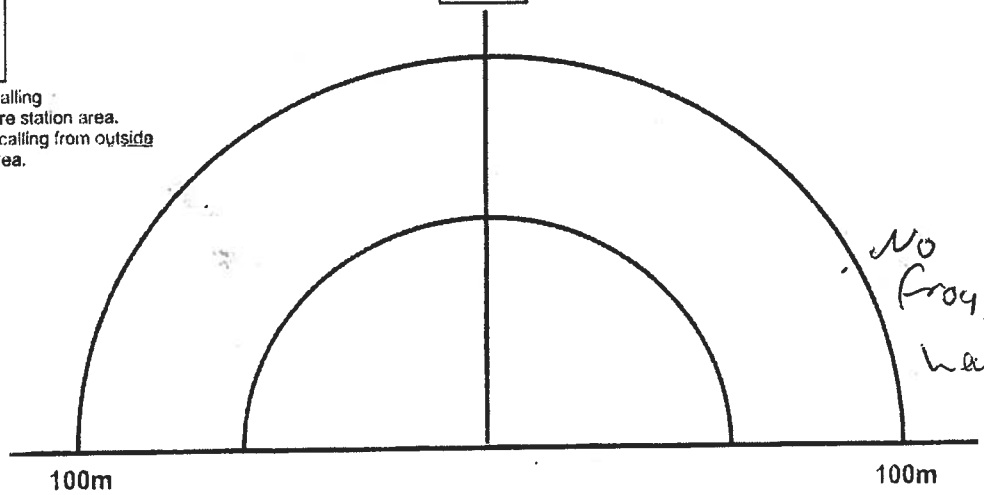
UTM: 18T 0362641 4891061

Habitat: Wet Juniper Scrub.

Water Present: yes - puddles

Light Rain & Wind.

No frogs heard.




Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)



REV: Mar, 09 Form 003

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

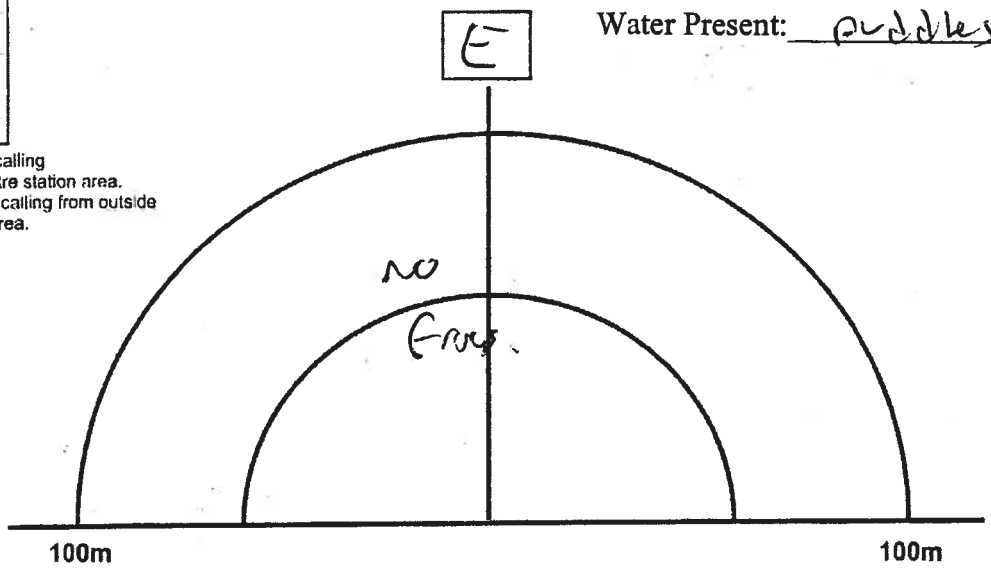
8:50

**Station** 3

UTM: _____

Habitat: Wet Juniper Scrub

Water Present: puddles




| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

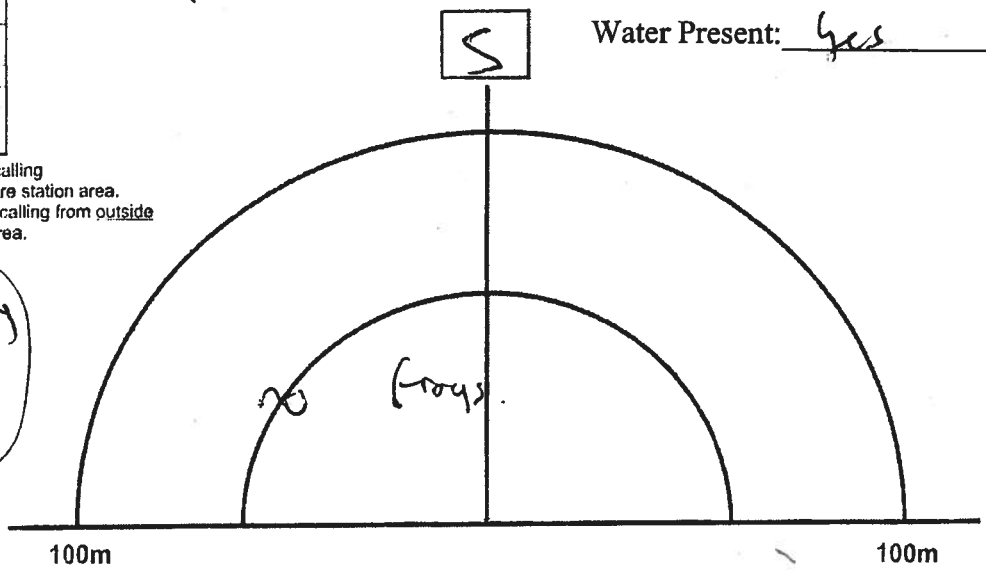
9:19

**Station** 2

UTM: 16T 0363001 4891608

Habitat: Wet Woods

Water Present: yes




very windy
?
Drizzle

Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)



REV: Mar, 09 Form 003

poor weather, count not conducted.

STATION MOVED. to creek @ Lookout edge, ac

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

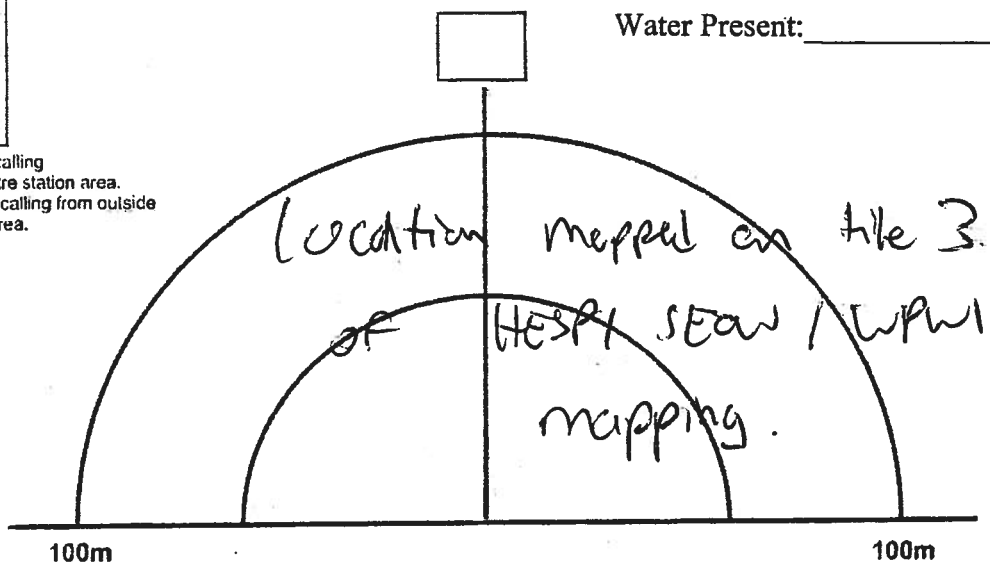
* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

**Station** 4

UTM: off of Stella 40

Habitat: Road

Water Present:




| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

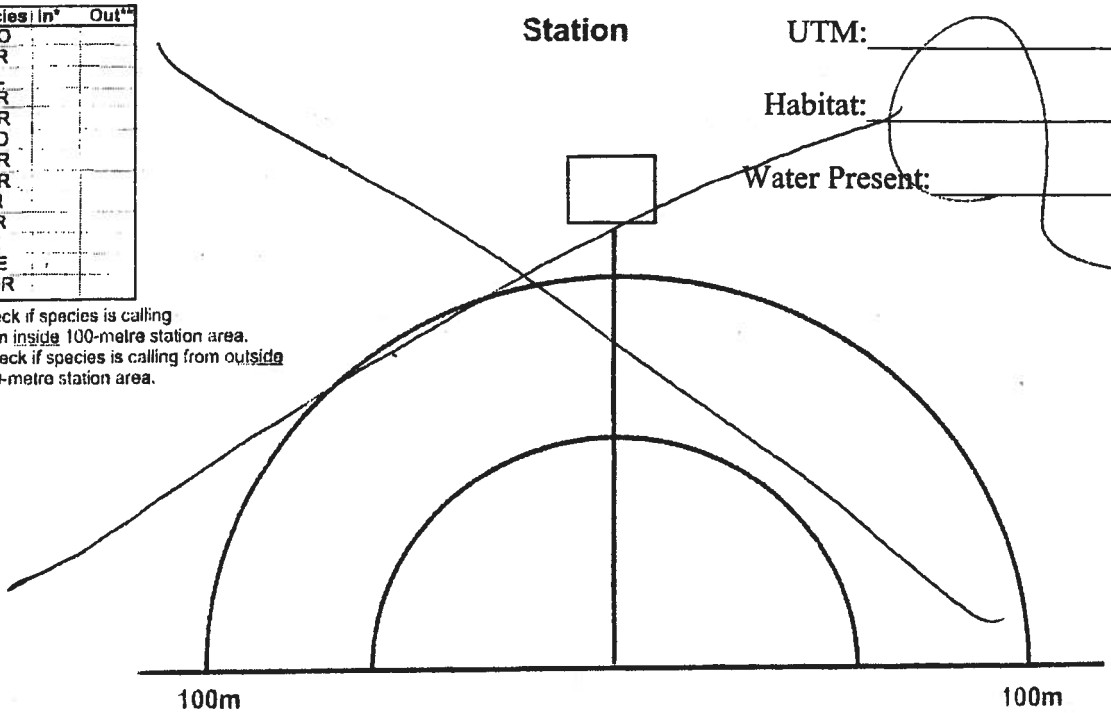
* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

**Station**

UTM:

Habitat:

Water Present:




Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)



REV: Mar, 09 Form 003

Stantec Consulting Ltd.
70-1 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Amphibian Call Survey Observation Form

Project Number 160960595 Project Name: AMHERST IS.

Date MAY 17, 2011 Field Personnel: BOB STAMP

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 8°C | E 5 | 95% | RAIN JUST STOPPED | RAIN |

| | | | |
|---|---|---|---|
| Visit Number: | 2 | | |
| Start Time: | 8:43 | End Time: | 8:48 |

- **Record Start Time at Each Station**

15

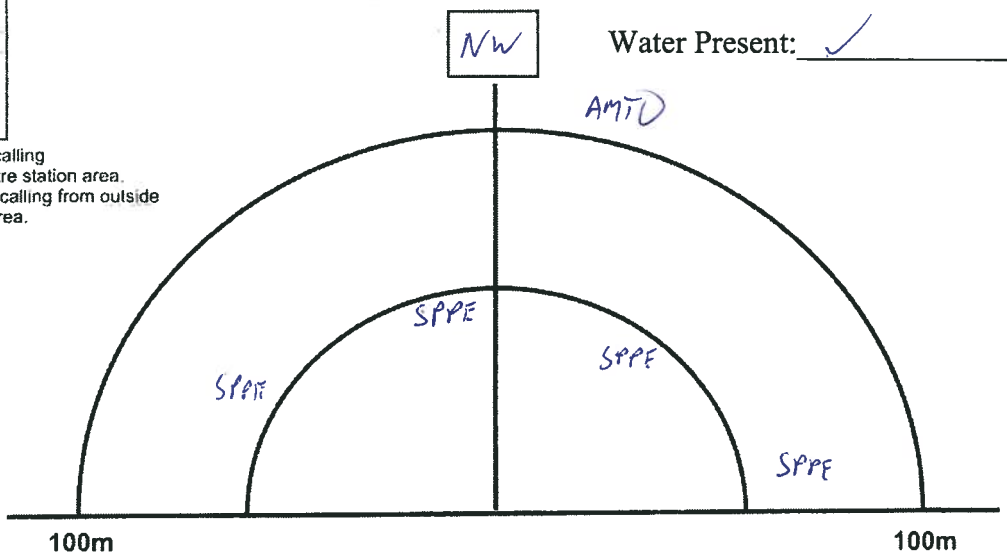
| Species | In* | Out** |
|---|---|---|
| AMTO | | 1 |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | 1111 | ✱ |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

**Station** 5 UTM: 18T0363290 4888964

Habitat: CHANNEL THROUGH WOODS

Water Present: ✓




Quality Control: This form is complete (✓) & legible (✓).

Signature: [signature] (Field Personnel) Signature: [signature] (Project Manager)

Page 1 of _____ REV: Mar, 09 Form 003

23

Station #6

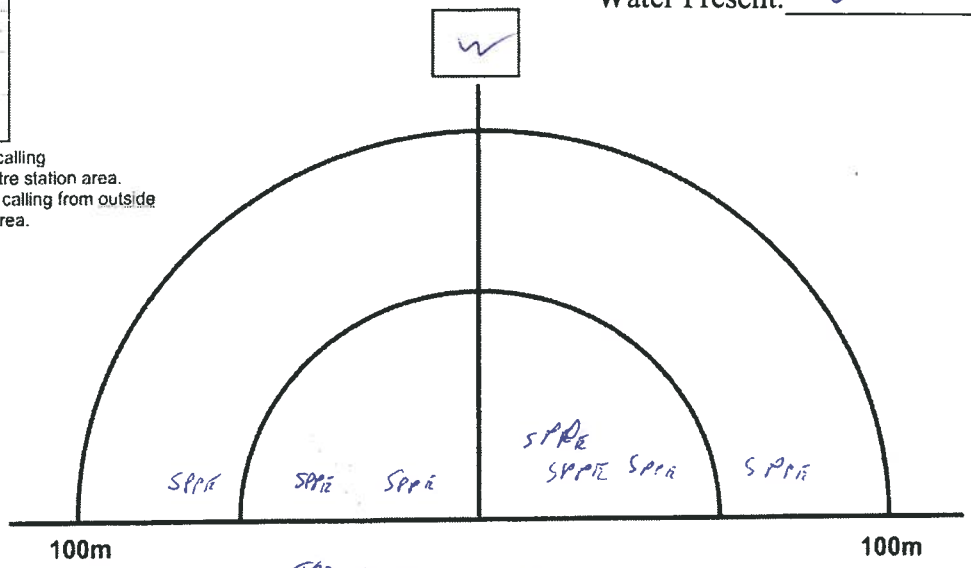
UTM: 18T 0362892 4888026

Habitat: STREAM THROUGH PASTURE

Water Present: ✓

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | ~~HH~~ | // |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.




TOO NUMEROUS TO COUNT.

5

Station 11

UTM: 18T 0359772 4886688

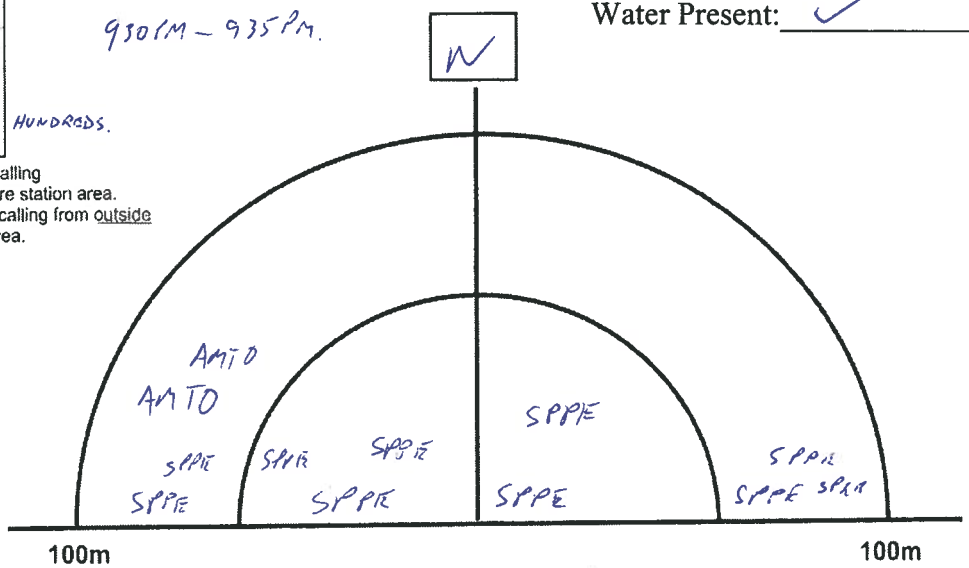
Habitat: SWAMP FOREST

Water Present: ✓

| Species | In* | Out** |
|---|---|---|
| AMTO | // | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | ~~HH~~ | ~~HH~~ HUNDREDS. |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

9:30 AM – 9:35 PM.




BOB STAMP
(Field Personnel)

(Project Manager)



REV: Mar, 09 Form 003

3

**Station** X

UTM: 18T 0358628 4888733

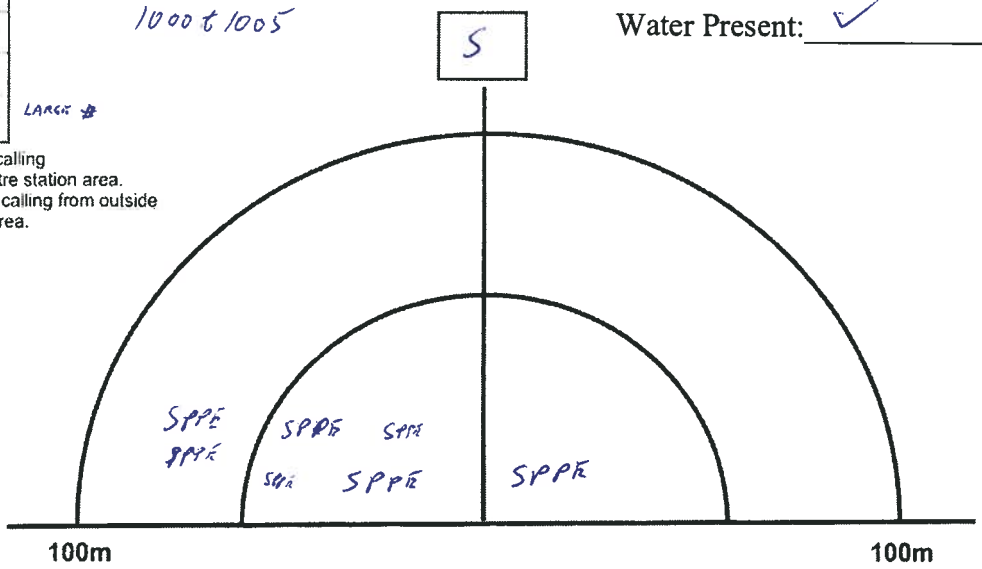
Habitat: WET PASTURE

Water Present: ✓

1000 t 1005

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | ~~7~~ ~~XLL~~ | LARGE # |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.




10

UNKNOWN #1 (NL)

**Station**

UTM: 18T 0360001 4889017

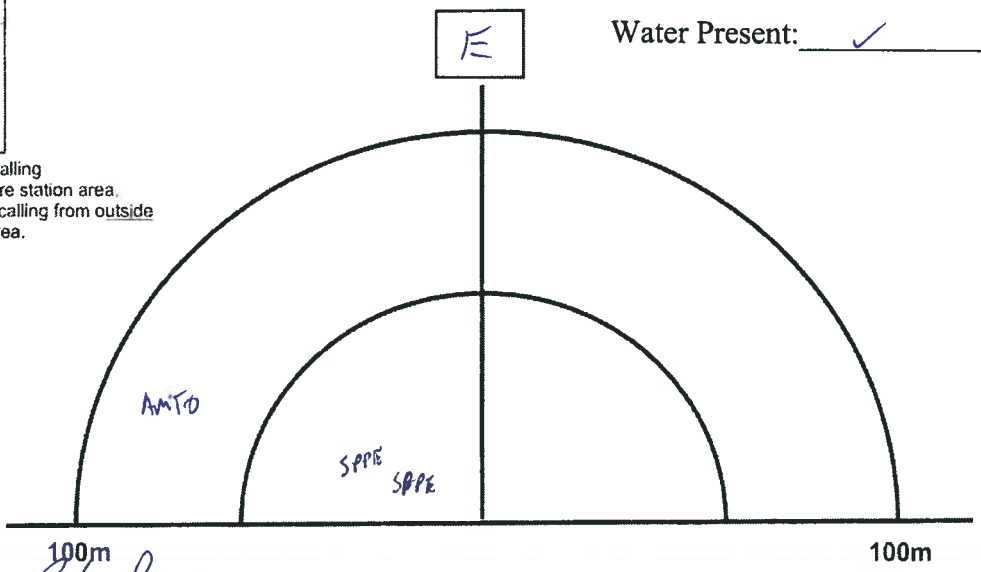
Habitat: FOREST

Water Present: ✓

1012 t 1017

| Species | In* | Out** |
|---|---|---|
| AMTO | 1 | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | 11 | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.




Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)

Page _____ of _____

REV: Mar, 09 Form 003

Stantec Consulting Ltd.
70-1 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Amphibian Call Survey Observation Form

Project Number 160960595 Project Name: Amherst Island

Date Apr. 26, 2011 Field Personnel: Don Graham & Matt Ross

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 8 | 1 | 100% | None | Rain |

| Visit Number: | 2 | | |
|---|---|---|---|
| Start Time: | 8:25 | End Time: | 8:28 |

- **Record Start Time at Each Station**

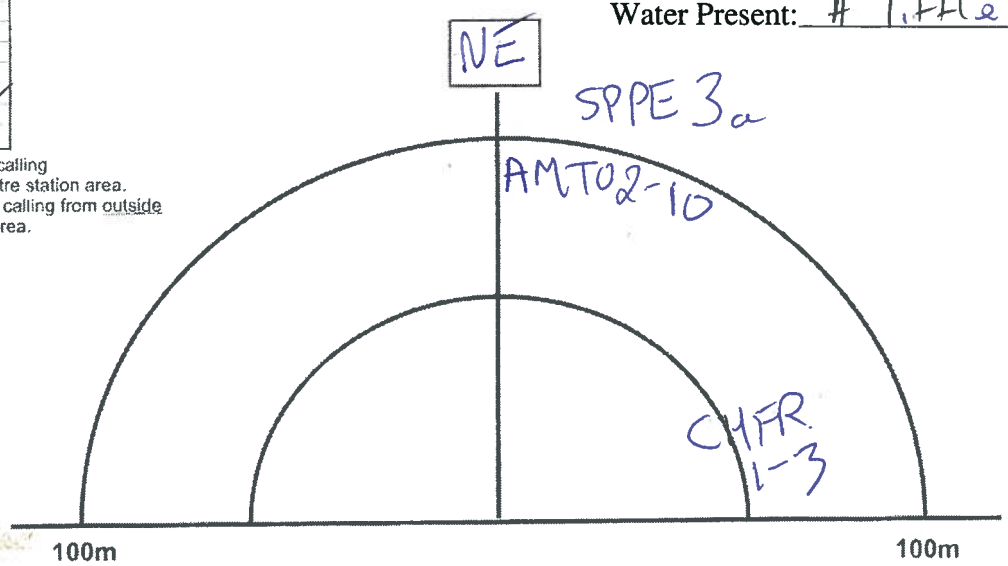
WHIP/calling 200 m NE of station.
367599
4892436

22

Station 14 Start Time: 8:25
UTM:
Habitat: SWD & MM
Water Present: A little

| Species | In* | Out** |
|---|---|---|
| AMTO | ✓ | ✓ |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | ✓ |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.




Quality Control: This form is complete (__) & legible (__).
Signature: Don Graham (Field Personnel) Signature: Kathrin [illegible] (Project Manager)

 REV: Mar, 09 Form 003

Used site @ creek ~ woodlot edge

365246
4890208

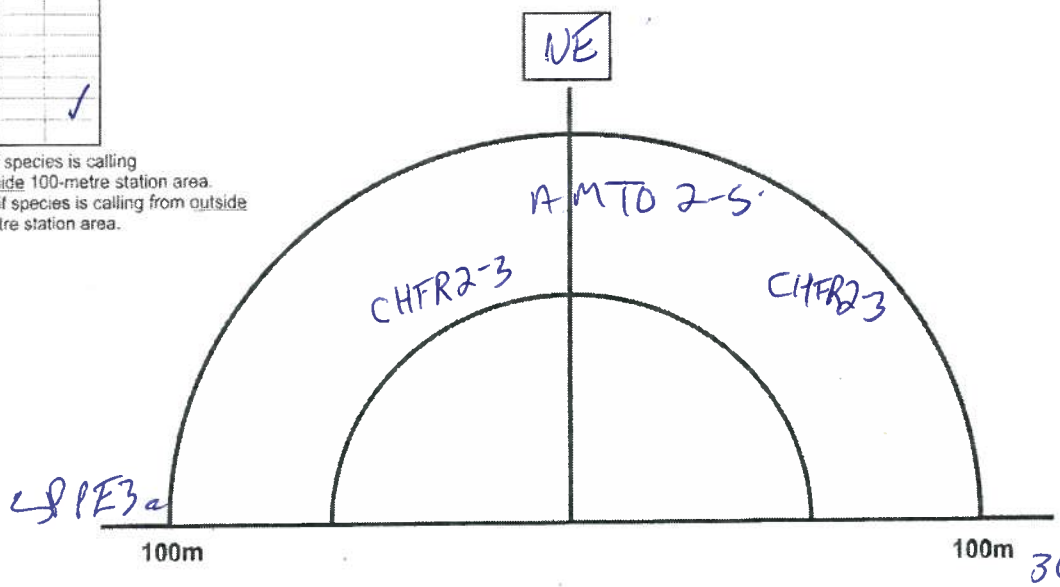
21

Station 4

Start Time: 8:52
UTM:
Habitat: SWT
Water Present: Yes

| Species | In* | Out** |
|---|---|---|
| AMTO | ✓ | |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | ✓ |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.




363009
4891609

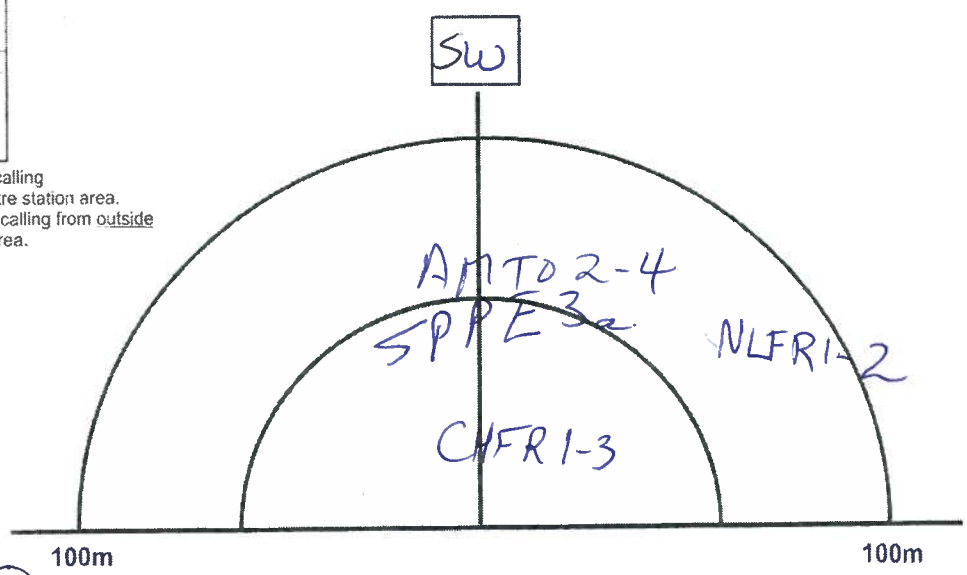
19

Station 2

Start Time: 9:38
UTM:
Habitat: SWT, MAM 2-2
Water Present: Yes

| Species | In* | Out** |
|---|---|---|
| AMTO | ✓ | |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | ✓ | |
| PIFR | | |
| SPPE | ✓ | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.




Signature: Don Hiala (Field Personnel)
Signature: Arthur Sm (Project Manager)


REV: Mar, 09 Form 003

362790
4891542
~~363~~
~~4891608~~

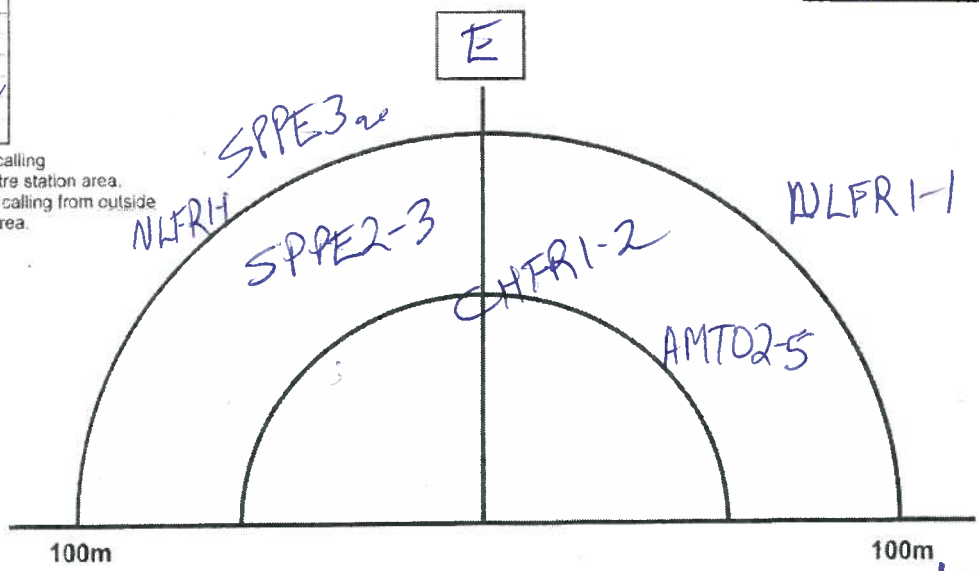
1

Station 3

Start Time: 9:22
UTM:
Habitat: SWD
Water Present: water

| Species | In* | Out** |
|---|---|---|
| AMTO | ✓ | |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | ✓ |
| PIFR | | |
| SPPE | ✓ | ✓ |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.



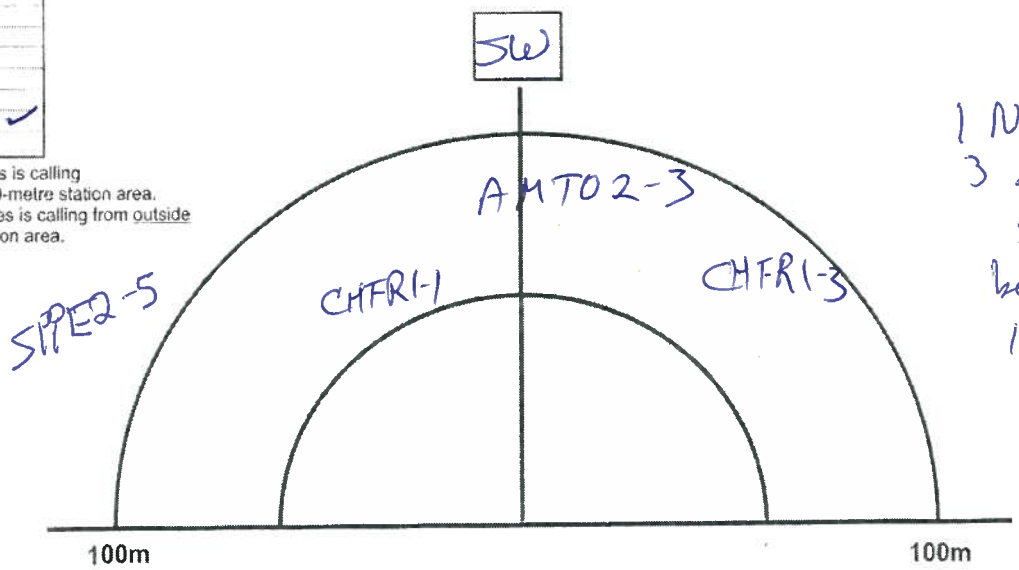

17

Station 1

Start Time: 9:58
UTM:
Habitat: SWT
Water Present: Yes

| Species | In* | Out** |
|---|---|---|
| AMTO | ✓ | |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | ✓ |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.




1 NLFR after 3 minute survey beyond 100m

Quality Control: This form is complete (__) & legible (__).
Signature: (Field Personnel)
Signature: (Project Manager)

Page 3 of 3

REV: Mar, 09 Form 003

Stantec Consulting Ltd.
70-1 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Amphibian Call Survey Observation Form

Project Number: 16960595

Project Name: Amherst Island

Date: 17 May/11

Field Personnel: J. Hoscop

| Weather Conditions: | Temp: 9°C | Wind: NE15 | Cloud: 100% | PPT: Ø | PPT in last 24 hrs: RAIN |
|---|---|---|---|---|---|

| Visit Number: | | | |
|---|---|---|---|
| Start Time: | 21:52 | End Time: | 22:59 |

- **Record Start Time at Each Station** 21:52

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | ✓ | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

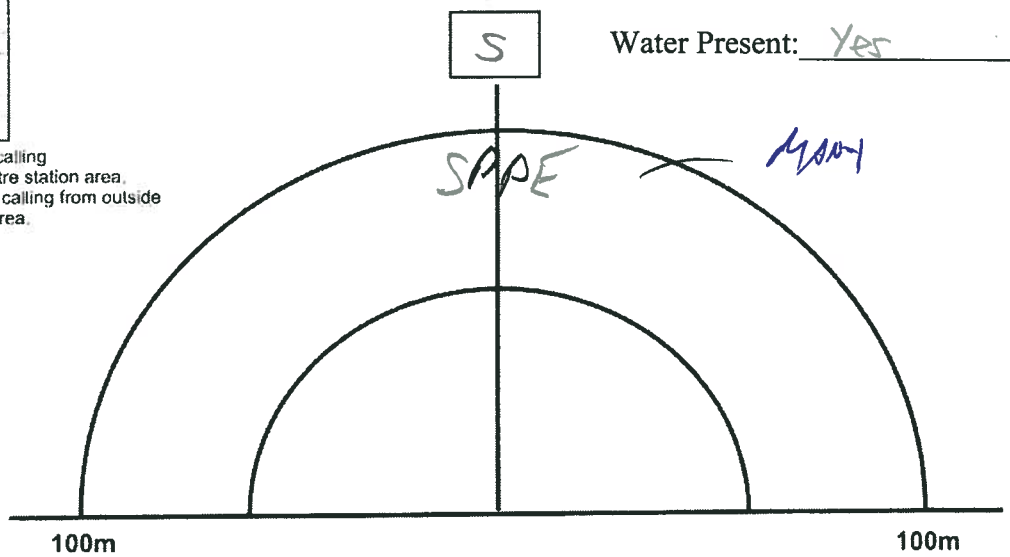
Station: J3

Pa 056

UTM: 18 357259E 4887039N

Habitat: Marsh

Water Present: Yes




Quality Control: This form is complete (__) & legible (__).

Signature: [illegible] (Field Personnel)

Signature: Katherine [illegible] (Project Manager)



REV: Mar, 09 Form 003

7

Station JB

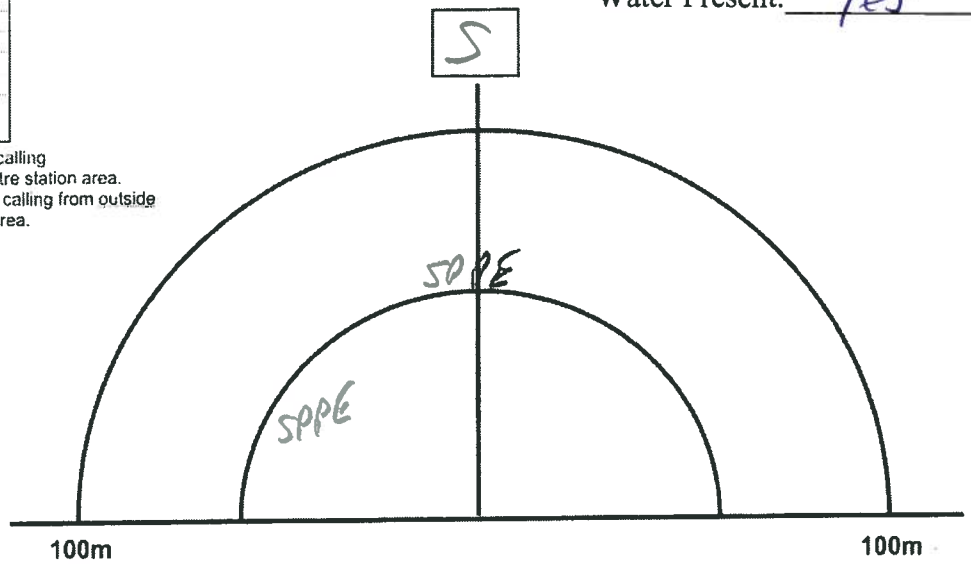
UTM: 18 360085E 4885821N

Habitat: wet Field

Water Present: Yes

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | ✓ | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.




5

Station 11

Pg 1 of 4

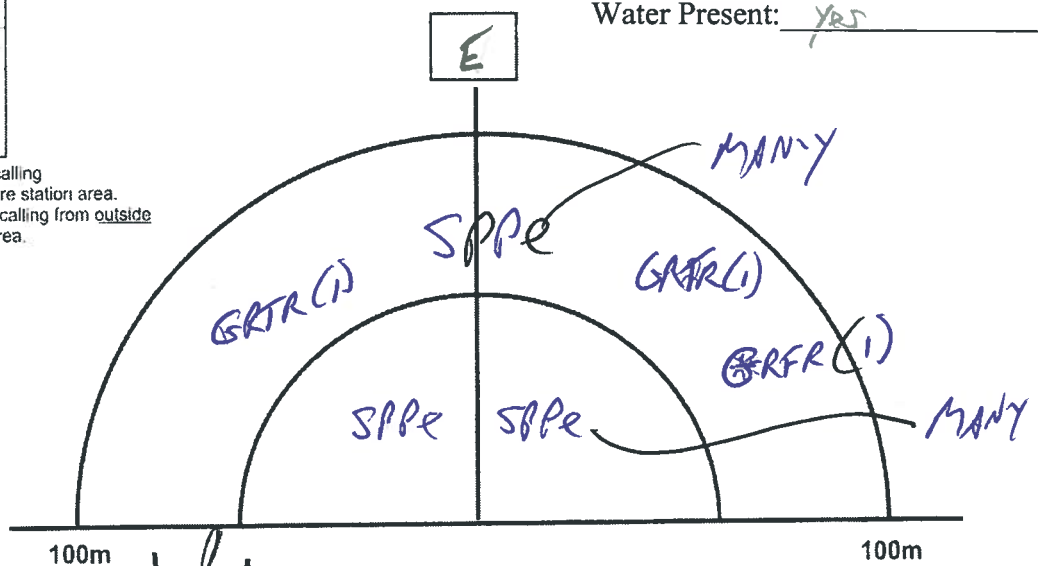
UTM: 18 360034E 4886433N

Habitat: wet woods

Water Present: yes

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | ✓ | |
| GRFR | ✓ | |
| MIFR | | |
| NLFR | ✓ | |
| PIFR | | |
| SPPE | ✓ | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.




(Field Personnel) (Project Manager)



REV: Mar, 09 Form 003

(12)

START 22:35

| Species | In* | Out** |
|---|---|---|
| AMTO | ✓ | |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | ✓ | |
| WOFR | | |

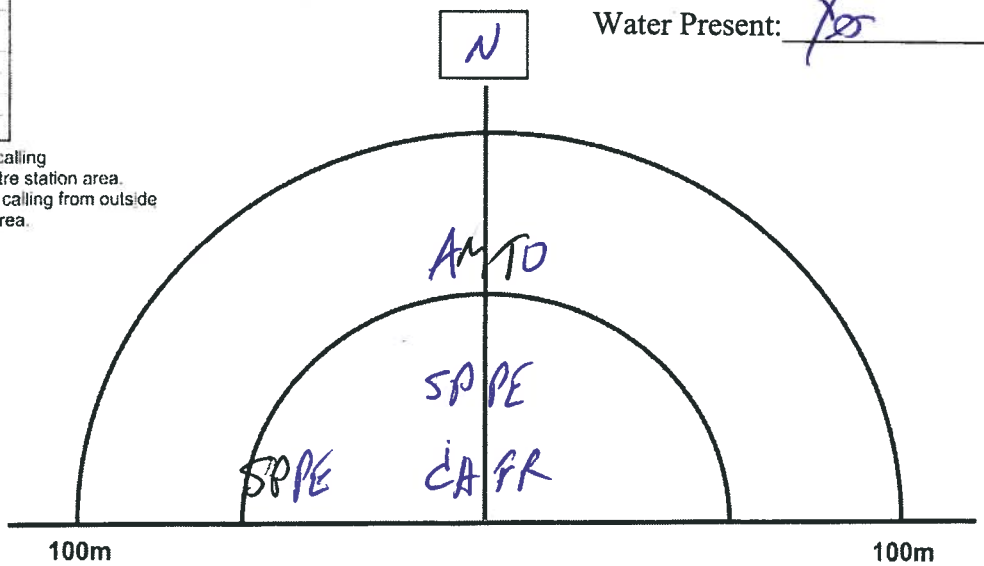
* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

8
**Station**
Point

UTM: 18 361069E - 4886073N

Habitat: Wet Field

Water Present: Yes




(11)

START 22:50

| Species | In* | Out** |
|---|---|---|
| AMTO | ✓ | |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | ✓ | |
| WOFR | | |

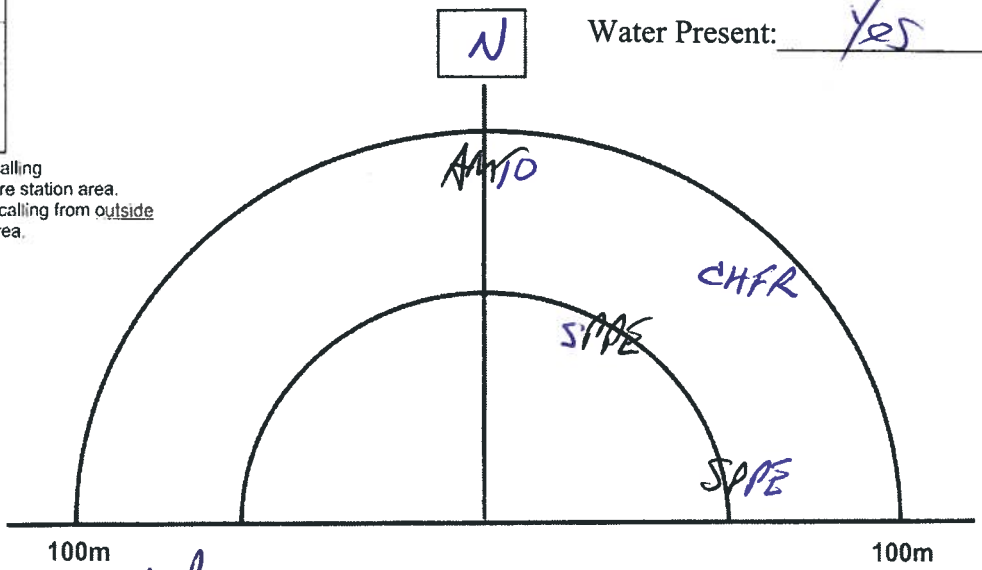
* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

7
**Station**
Point

UTM: 18 360618E 4885918N

Habitat: Wet Field

Water Present: Yes




Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)



REV: Mar, 09 Form 003

0930-

Stantec Consulting Ltd.
70-1 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Amphibian Call Survey Observation Form

Project Number: 160960595

Project Name: Amherst

Date: Jun 14, 2011

Field Personnel: B. Holden A. Wolmington

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 14°C | 2-3 | — | — | — |

| Visit Number: | 3 | | |
|---|---|---|---|
| Start Time: | 2135 | End Time: | 2345 |

- **Record Start Time at Each Station**

18T 0364616 4888747

23 Station 6

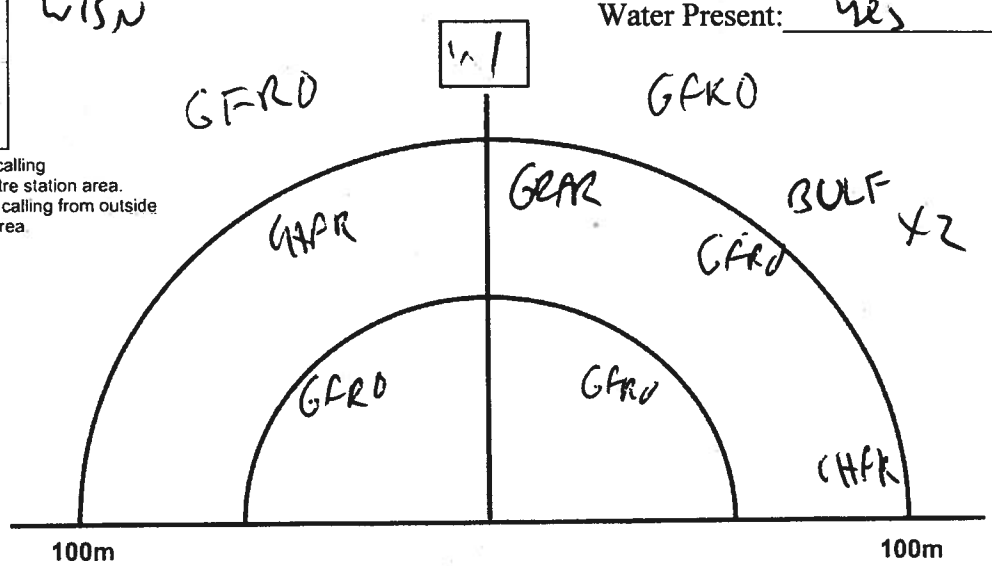
Start Time: 935
UTM:
Habitat: Swamp
Water Present: yes

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | ✓ |
| CHFR | ✓ | ✓ |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | ✓ | ✓ |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

WISN

WISN +2




Quality Control: This form is complete (__) & legible (__)

Signature: (Field Personnel)

Signature: (Project Manager)

Page 1 of 4

REV: Mar, 09 Form 003

0363871

4887440

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | ✓ | ✓ |
| CHFR | ✓ | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | ✓ | ✓ |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

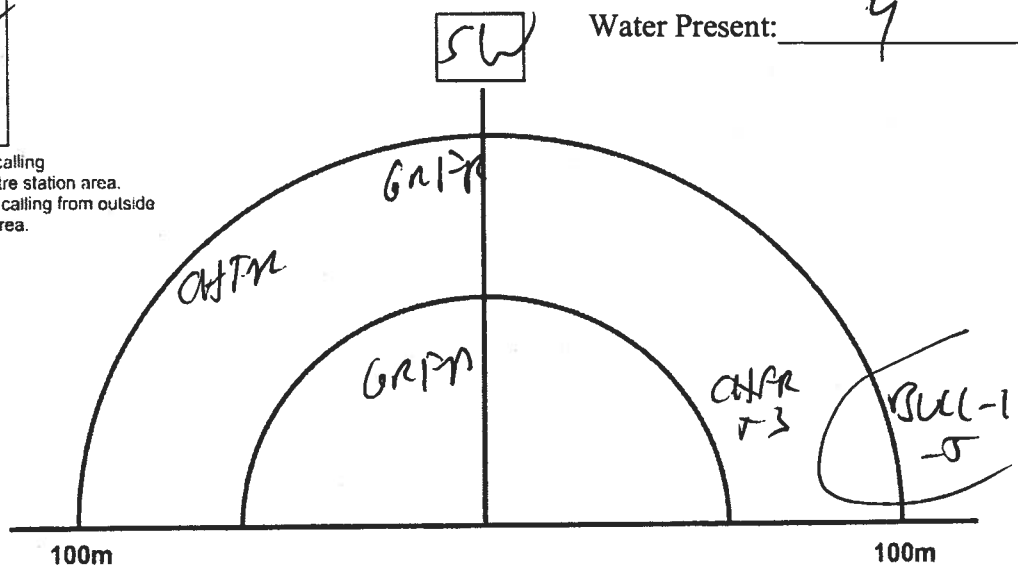
955

**Station** 15

UTM: _____

Habitat: Swamp

Water Present: Y




0364616 4887440

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | ✓ | ✓ |
| CHFR | ✓ | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | ✓ | ✓ |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

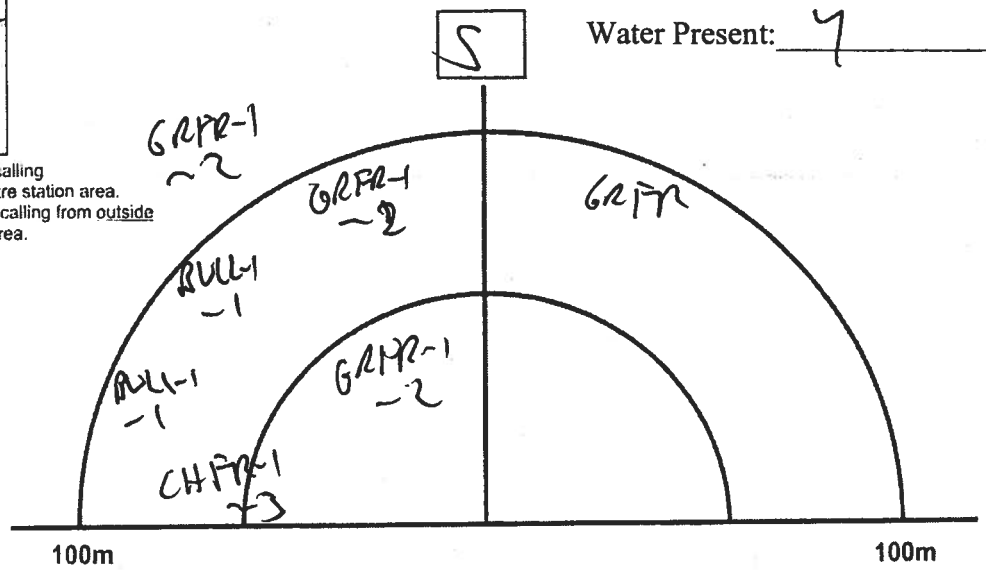
1035

**Station** 16

UTM: _____

Habitat: Marsh

Water Present: Y




Signature: _____ (Field Personnel)

Signature: Katherine S (Project Manager)



REV: Mar, 09 Form 003

1031

0359787
4896549

(5)

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

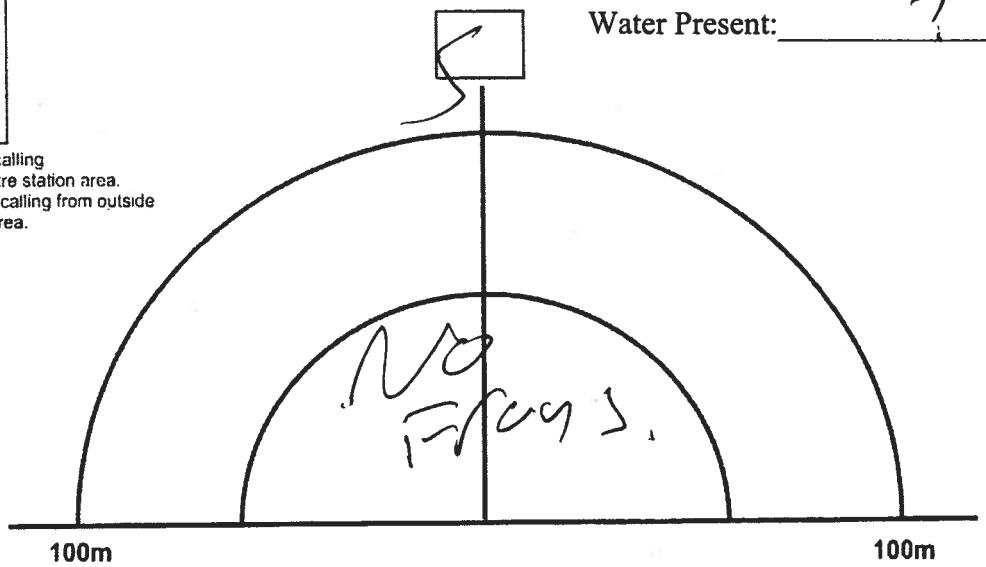
* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

**Station** 11

UTM: _____

Habitat: Woods

Water Present: ?




(1)

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | ✓ | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | ✓ | ✓ |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

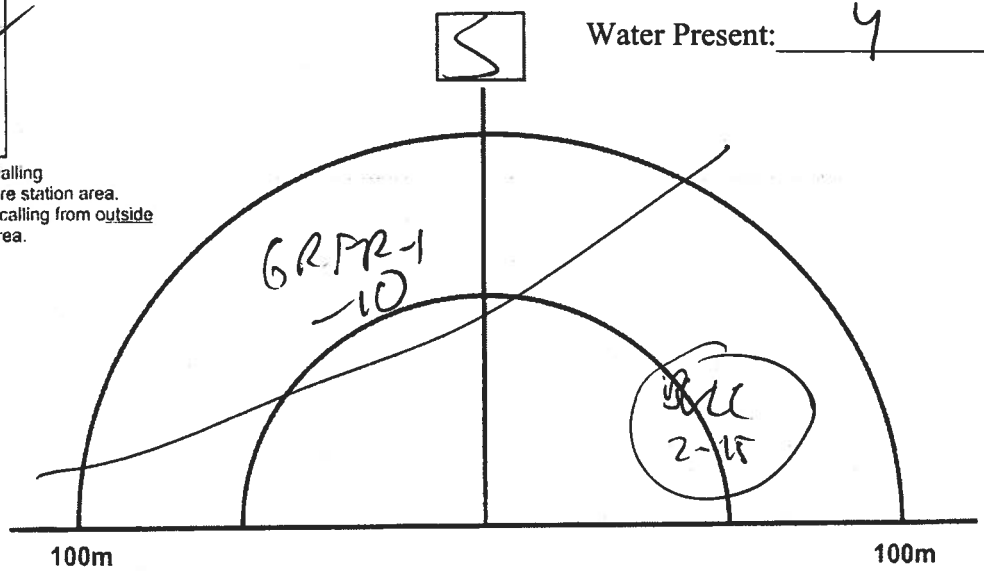
1052

**Station** 3

UTM: _____

Habitat: Marsh

Water Present: Y




Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)



REV: Mar, 09 Form 003

(24)

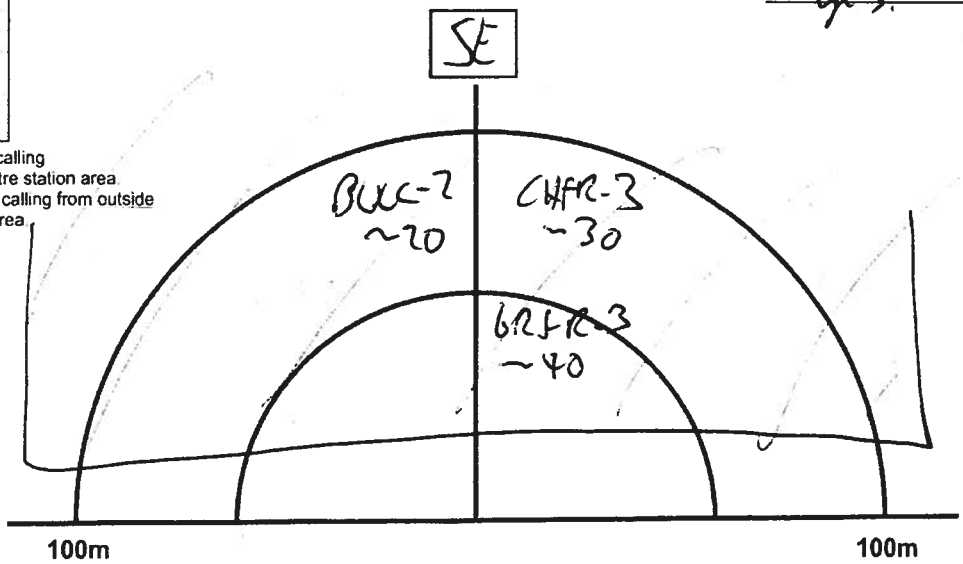
| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | ✓ | ✓ |
| CHFR | ✓ | ✓ |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | ✓ | ✓ |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

Frogs everywhere

**Station** 10

Start Time: 18T 0588885 -7 1106
UTM:
Habitat: Marsh
Water Present: yes.



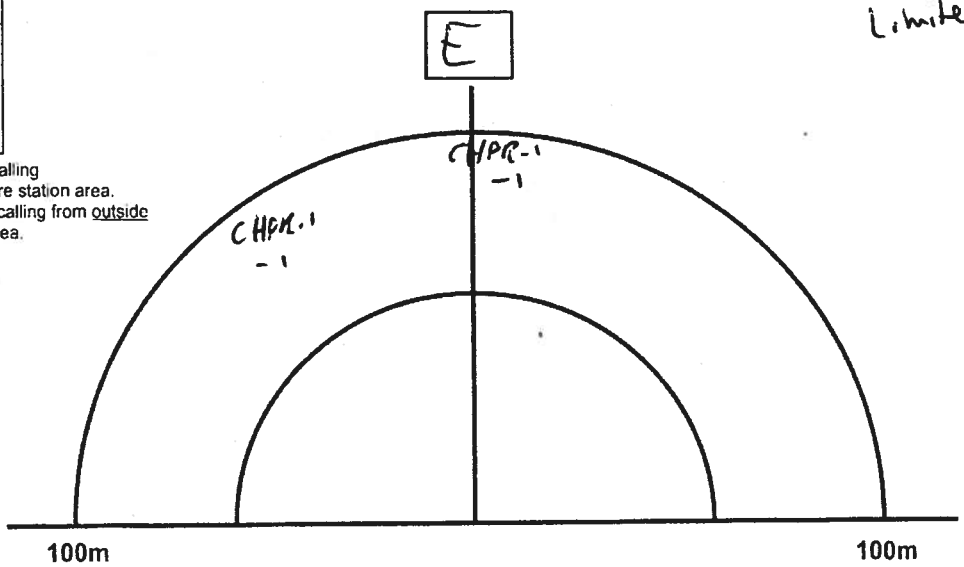

(22)

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

**Station** 14

Start Time: 18T 0367599 VJ92436 1137
UTM:
Habitat: Woods / swamp
Water Present: yes limited.




Quality Control: This form is complete (__) & legible (__).
Signature: _____ (Field Personnel)
Signature: _____ (Project Manager)


REV: Mar, 09 Form 003

Jun 19, 2011 ~~BA~~ 10°C E-1 5% cc PPT - X

24 PPT - X

BH AW

START - 1925 End - 2345

16096054T

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

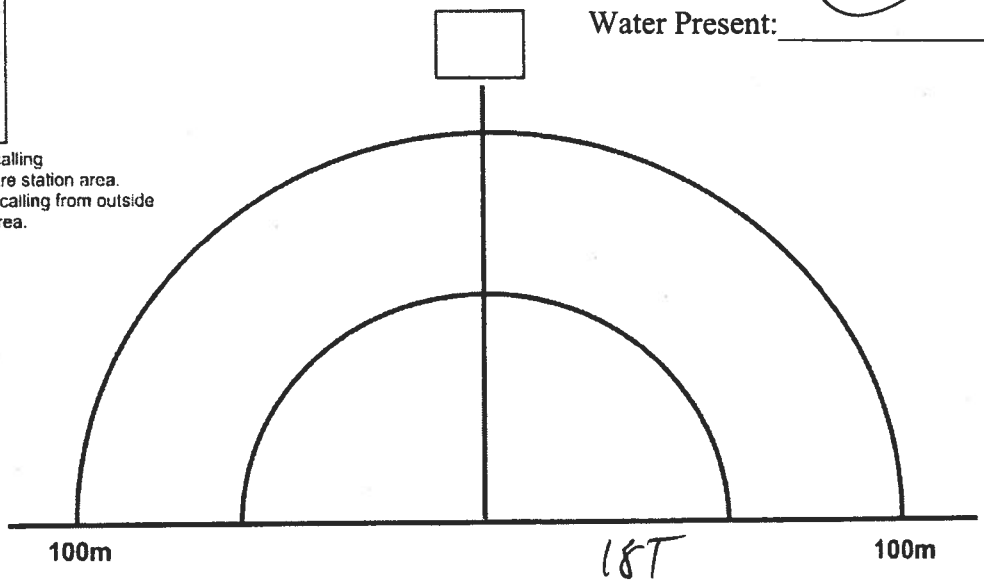
(16)

**Station**

UTM: _____

Habitat: _____

Water Present: _____




(17)

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

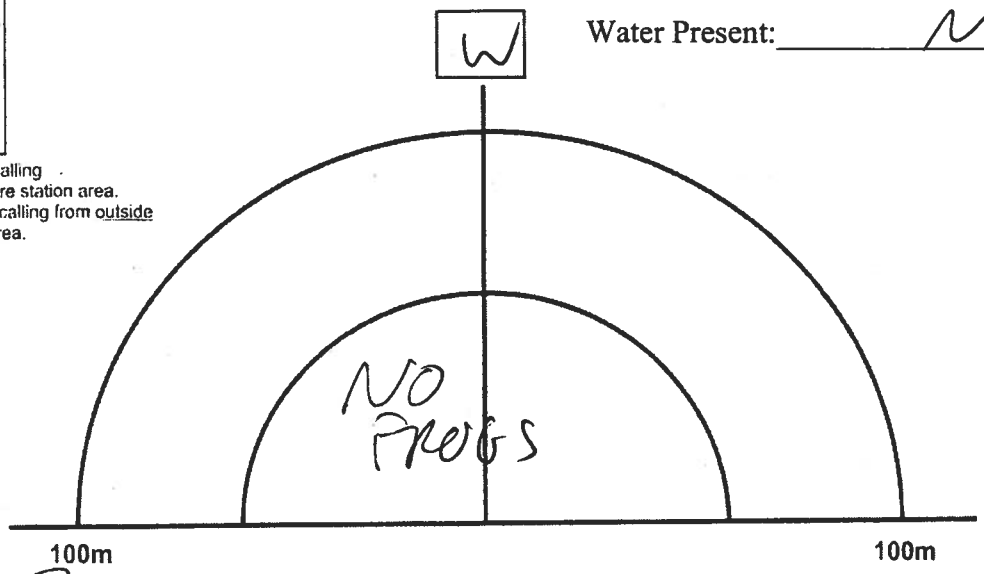
* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

**Station** 01

UTM: 0362691 4891061

Habitat: Upland dogwood thicket

Water Present: NO




Signature: _____ (Field Personnel)

Signature: Katherine Shu (Project Manager)

Page 1 of 4

REV: Mar, 09 Form 003

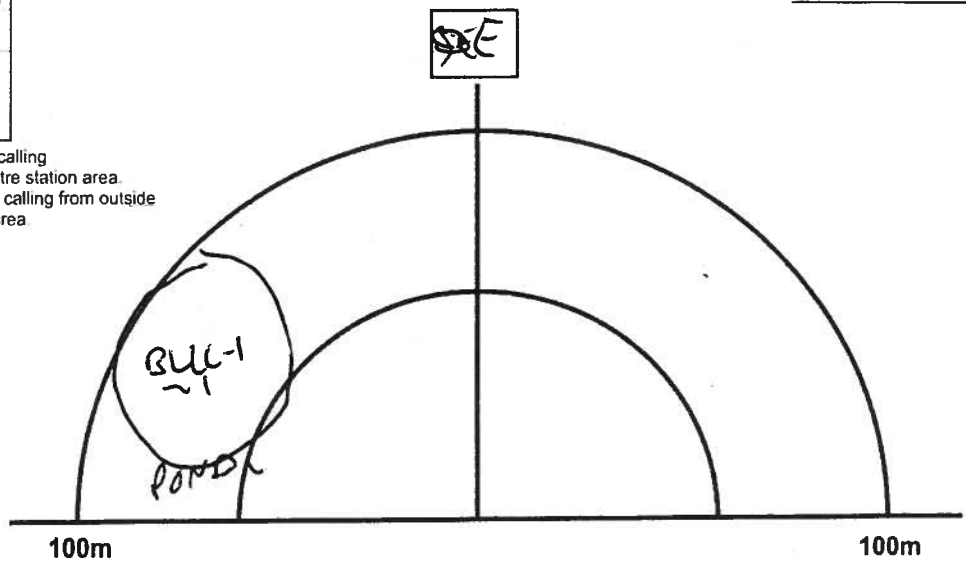
19

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | ✓ | ✓ |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | ✓ |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

Station 2

Start Time: 10:00
UTM:
Habitat:
Water Present:




BULL-1 GRFR-1
~2

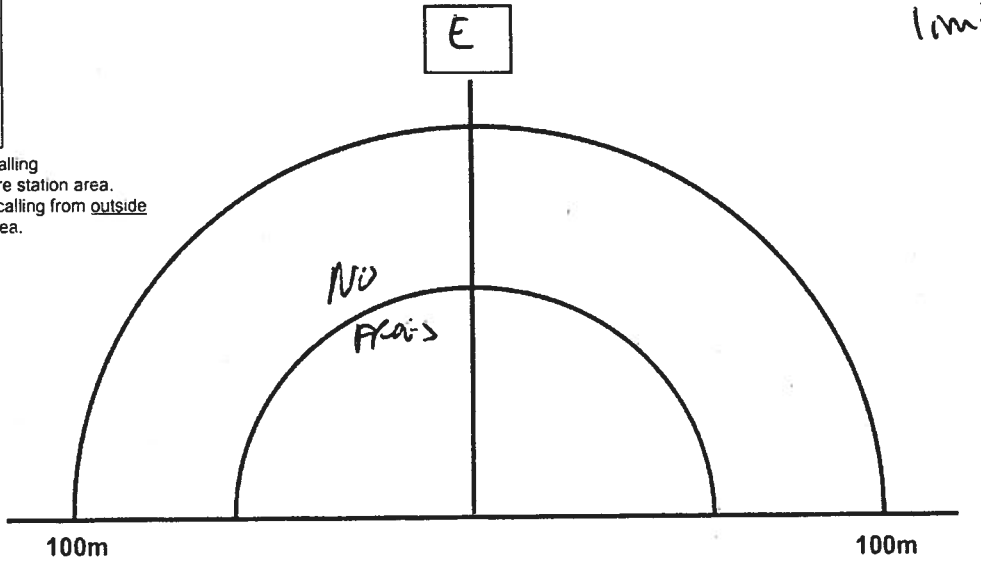
| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

21

Station 4

Start Time: 1015
UTM:
Habitat: wet woods
Water Present: ~~yes~~ But limited?




Quality Control: This form is complete (__) & legible (__).
Signature: _____ (Field Personnel) Signature: _____ (Project Manager)


REV: Mar, 09 Form 003

18T 0362168 4886966

18T
0362168

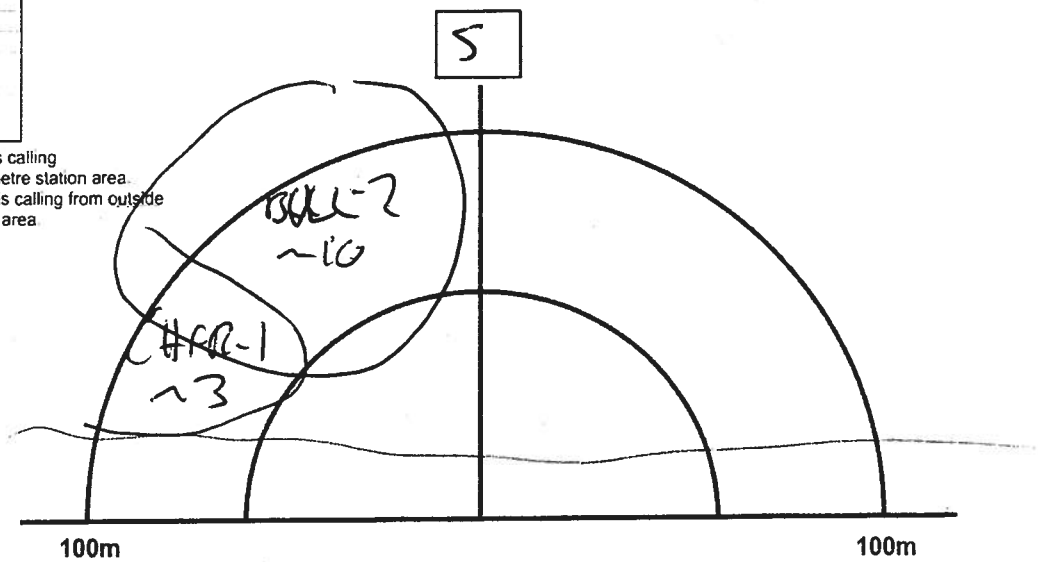
(12)

Station 8

Start Time: 1045
UTM:
Habitat:
Water Present: yes

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | ✓ | ✓ |
| CHFR | ✓ | ✓ |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.




DIR1

5T 0360065 4886428

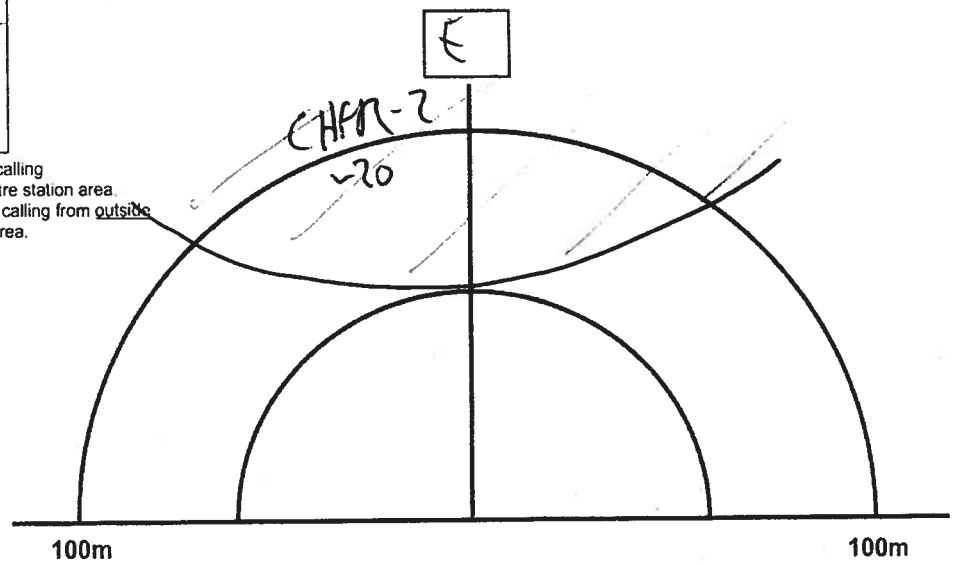
(6)

Station 13

Start Time: 11:00
UTM:
Habitat: Swamp/woods
Water Present: yes

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | ✓ |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | | ✓ |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.




GRFR-1

Signature: _____ (Field Personnel)

Signature: Katherine [illegible] (Project Manager)

Page 3 of 4

REV: Mar, 09 Form 003

1107

| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | | |
| CHFR | ✓ | ✓ |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | ✓ | ✓ |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

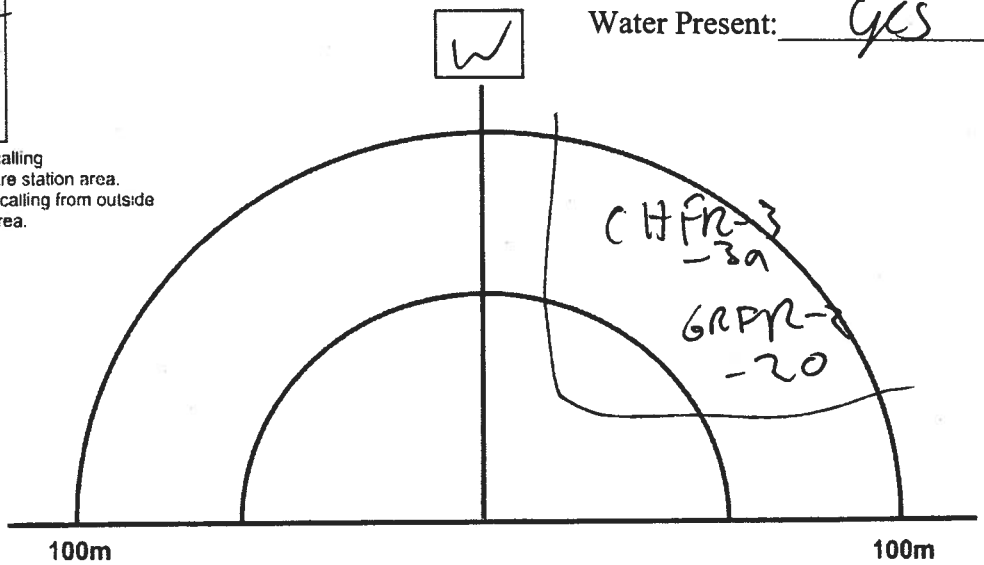
* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

**Station** 4

UTM: _____

Habitat: Wooded swamp

Water Present: yes




| Species | In* | Out** |
|---|---|---|
| AMTO | | |
| BCFR | | |
| BULL | ✓ | ✓ |
| CHFR | | |
| CGTR | | |
| FOTO | | |
| GRTR | | |
| GRFR | ✓ | ✓ |
| MIFR | | |
| NLFR | | |
| PIFR | | |
| SPPE | | |
| WOFR | | |

* Check if species is calling from inside 100-metre station area.
** Check if species is calling from outside 100-metre station area.

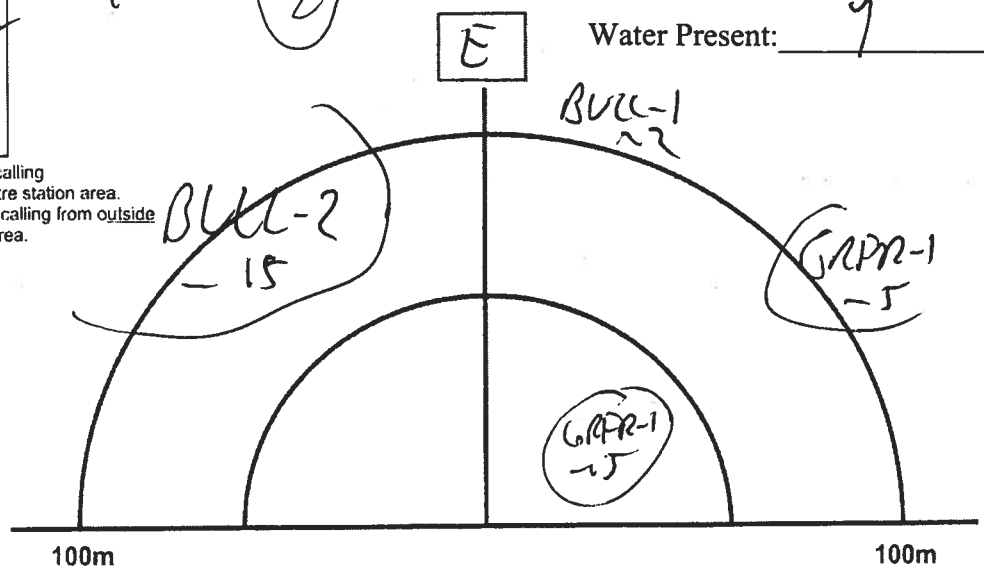
1136

**Station** 2

UTM: _____

Habitat: Marsh

Water Present: y

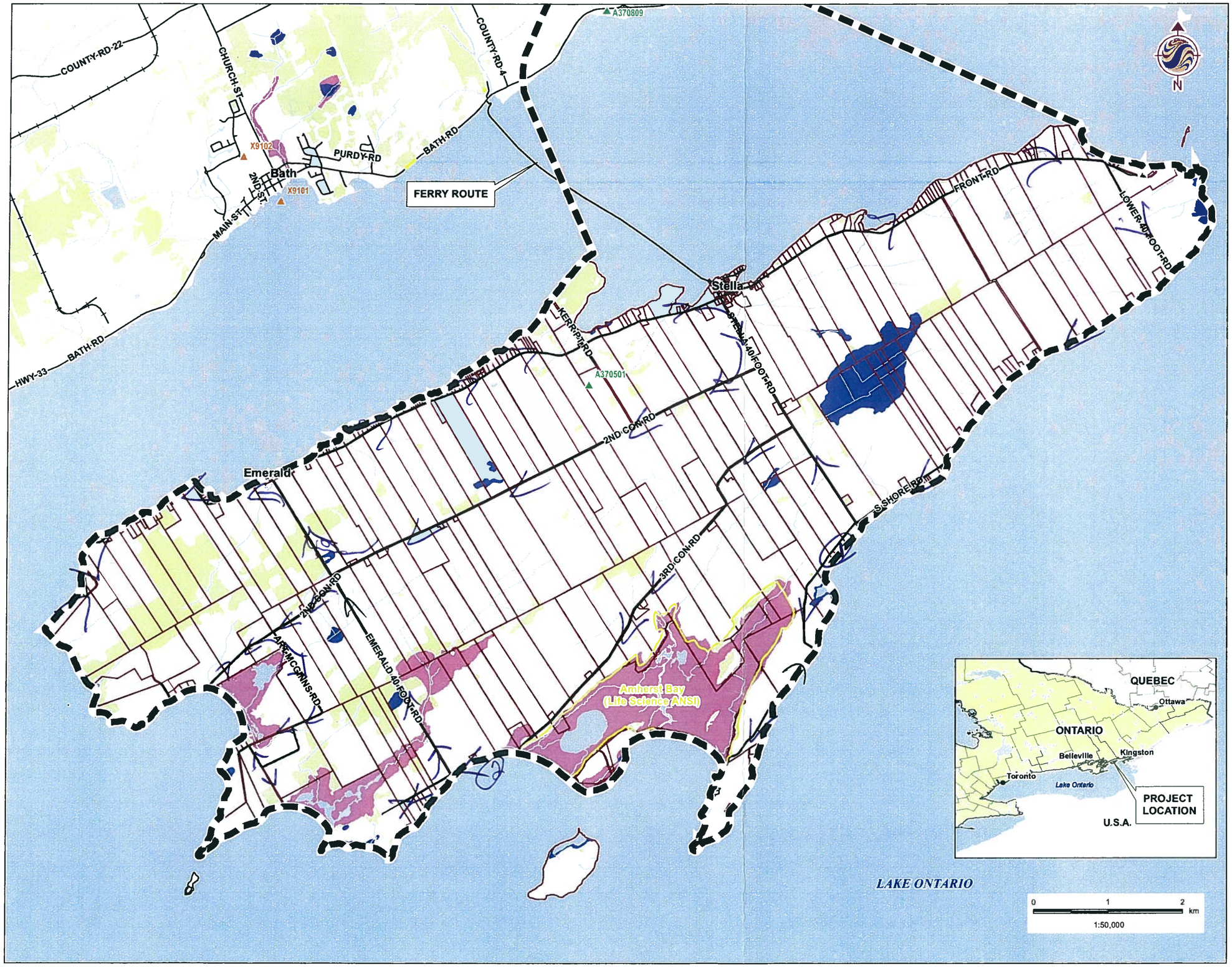



Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)

Page 4 of 4

REV: Mar, 09 Form 003




## Legend

- Study Area
- Active Landfill
- Closed Landfill
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

Shorebird Migration

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.

Stantec

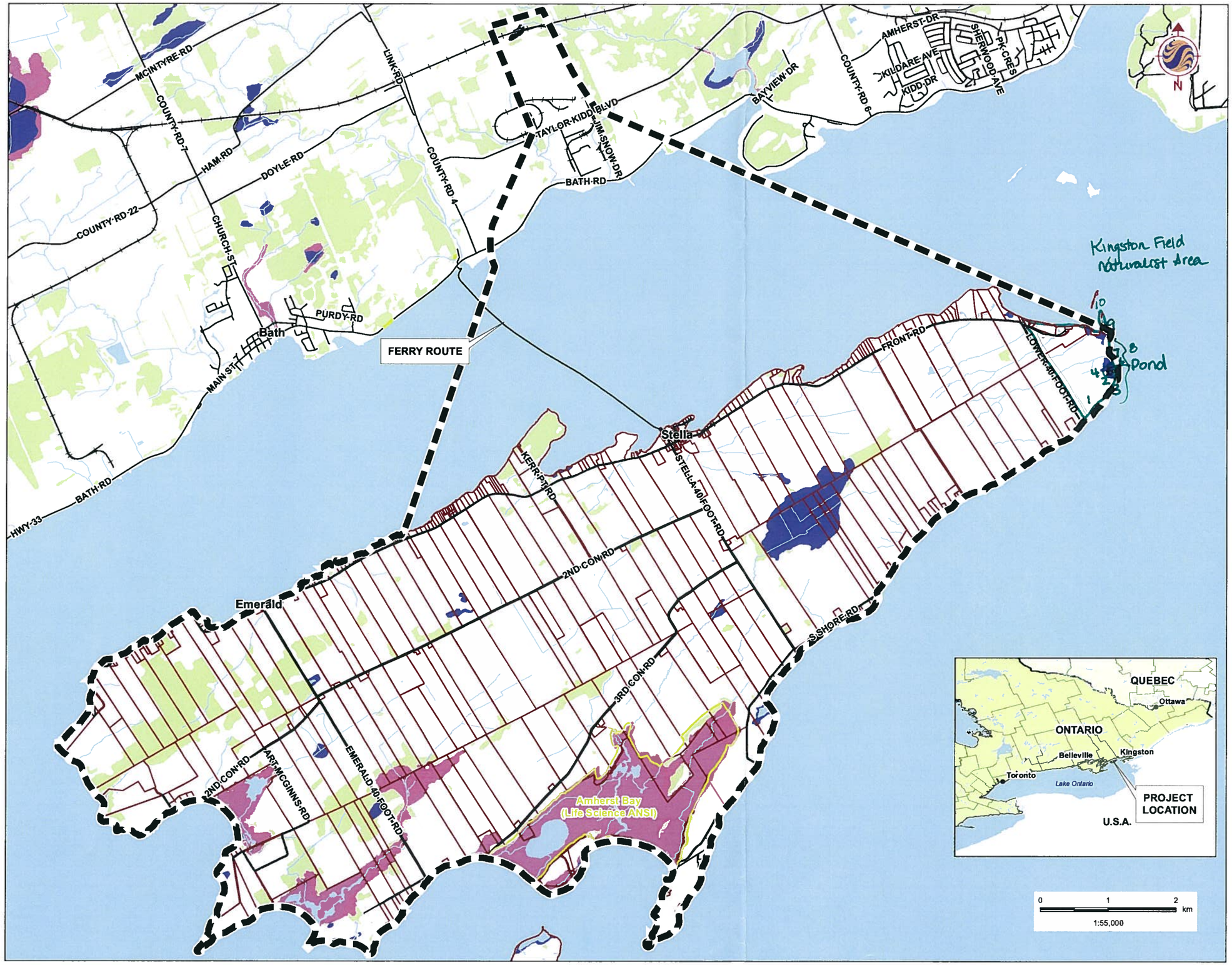
April 2011
160960595

Client/Project
Client
Title
Project

Figure No.
DRAFT

Title
**STUDY AREA**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\60960595_FieldMapOverview_20110413.mxd
Revised on: 2011-04-05 By: pworsell




## Legend

- Project Study Area
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- Provincially Significant Wetland
- ANSI Boundary

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.

Survey By: D. Graham

See sketched map attached.

Stantec

May 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

1

Title

**PROJECT STUDY AREA**

W:\active\60960595\drawing\GIS\MXD\PDR\60960595_ProjectStudyArea_20110503.mxd
Revised on: 2011-05-03 By: dharvey

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Shorebird Migration Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date / Time: May 3/11 2:07pm - 2:45pm 4:15 - 7:47 pm

Field Personnel: Matthew Ross + Don Graham

| Weather Conditions: | Temp: 8 | Wind: 3 | Cloud: 100% | PPT: Rain | PPT in last 24 hrs: Rain |
|---|---|---|---|---|---|

| Species | # of Individuals | Location | Behaviour |
|---|---|---|---|
| | | *agr. field near puddle, shoreline etc.* | *Feeding, flying, flock behaviour etc.* |

Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel)

Signature: Katherine Stone (Project Manager)



REV: May, 07 Form 015

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Shorebird Migration Observation Form

Project Number: 160960595

Project Name: AMHERIT IS.

Date / Time: MAY 11, 2011 321

Field Personnel: STAMP + GRAHAM.

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 20°C | | 0% | 0 | 0 |

29472

| | Species | # of Individuals | Location | Behaviour |
|---|---|---|---|---|
| | | | *agr. field near puddle, shoreline etc.* | *Feeding, flying, flock behaviour etc.* |
| 1 | WISN | 1 | PASTURE | FEEDING |
| 2 | SPSA | 3 | SHORE | FLYING @ 0 m |
| 3 | UPSA | 2 | AG. FIELD | ON ALERT. ON GROUND |
| 4 | SPSA | 2 | SHORE | ON ROCK |

Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)

Page 1 of 1

REV: May, 07 Form 015

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1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Shorebird Migration Observation Form

Project Number: 160960595

Project Name: AMHERST I.S.

Date: MAY 17, 2011

Field Personnel: STAMP + HESLOP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 12°C | E-4 | 95% | 0-2 | RAIN |

55245 Start Time: 14:20 - 17:20

End Time:

Total KM Driven:

| Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|
| 1 | 15:12 | SOSA | 1 | Puddle on Lawn | Feeding |
| 2 | 15:52 | SPSA | 2 | on Shoreline Rocks | ✓ |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Signature: Robert Stamp
(Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature:
(Project Manager)

REV: 2011-05-09 / FORM 015

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Shorebird Migration Observation Form

Project Number: 160960595
Project Name: Amherst
Date: May 20, 2011
Field Personnel: ART - with KFN

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 15 °C | 0 | 100 | None | None |

Start Time: 9:00
End Time: 11:00
Total KM Driven: N/A-Walking Survey

| Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|
| 1 | 9:05 | KILL | 1 | shoreline | -on ground<br>-possible breeder |
| 2 | 9:15 | WIPH | 1 ♂ | flushed from puddle in field | -possible breeder<br>-flew upto 2m high |
| 3 | 9:20 | SPSA | 2 | shoreline | -possible breeders.<br>-on ground |
| 4 | 9:27 | SPSA | 3 | edge of pond | - on ground |
| 5 | 9:36 | SPSA | 2 | " | -flying upto 10m high |
| 6 | 9:38 | SPSA<br>KILL | 3<br>1 | -shoreline | -on ground |
| 7 | 9:40 | SPSA<br>DUNL | 6<br>1 | -mudflat, | -feeding<br>-on ground. |
| 8 | 10:07 | WIPH | 1 | -flooded field | -flushed, flying upto 10m high<br>-possible breeder |
| 9 | 10:08 | COSN | 1 | - | -flushed, flying upto 10m high<br>-possible breeder |
| 10 | 10:15 | COSN | 1 | - over pasture | -displaying upto 40m high<br>-possible breeder |

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)
Signature: (Project Manager)

REV: 2011-05-09 / FORM 015

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Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Shorebird Migration Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: May 25/11

Field Personnel: Matthew Ross + Don Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20° | 3 | 5% | None | None |

Start Time: 1135 am

End Time: 2:59

Total KM Driven:

| Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|
| 1 | 1151 | WISN | 1 | Fence @ Fallow Field | 2m Perch |
| KILL observed throughout survey area | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: (Project Manager)

REV: 2011-05-09 / FORM 015

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1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Shorebird Migration Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: May 26/11

Field Personnel: D. Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 14 | 1-3 | 80% | / | Rain |

Start Time: 9:24

End Time: 10:30

Total KM Driven:

Kingston Field Naturalists Area

| Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|
| 1 | 9:24 | WIPH | 2 | Small irrigation pond on South shore | |
| | | LESA | 2 | | |
| | | DUNL | 2 | | |
| | | SESA | 1 | | |
| | | ~~SBDO~~ SPSA | 2 | | |
| 2 | 9:30 | DUNL | 40 | inland pond | |
| 3 | 9:32 | DUNL | 20 | shingle shoreline | |
| 4 | 9:35 | Brant | 5 | edge of inland pond | |
| 5 | 9:36 | DUNL | 300 ~~100~~ | inland pond | |
| 5 | 9:36 | SESA | 20 | " | |
| 5 | 9:36 | SBDO | 1 | " | |

Signature: Don Graham (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine Stam (Project Manager)

REV: 2011-05-09 / FORM 015

***Other Bird Species***

Please record any flock behavior (i.e. gulls, crows, blackbirds), raptors or any significant species.

| | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|
| 6 | BBPL | 2 | 945 Shingle beach | |
| | SEPL | 1 | | |
| | DUNL | 1 | | |
| | SESA | 10 | | |
| 7 | BCNight Heron | 1 | Over shoreline | Flying |
| 8 | SPPA | 8 | Shingle beach. Spread out into pairs | |
| 9 | LESA | 2 | Near shore shingle beach | |
| | SESA | 3 | shingle bar on north side | |
| 10 | LESA | 6 | " | |
| | SESA | 2 | " | |
| | DUNL | 2 | " | |
| | ROTU | 1 | " | |
| | | | | |
| | | | | |

Signature: Don Gricha (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑

Signature: Kathrin Sh (Project Manager)

REV: 2011-05-09 / FORM 015

**Stantec Consulting Ltd.**
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: May 26, 2011

Field Personnel: D. Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 14 | 1-3 | 80% | / | Rain |

Start Time: 9:15

End Time: 10:30

Start Point UTM:

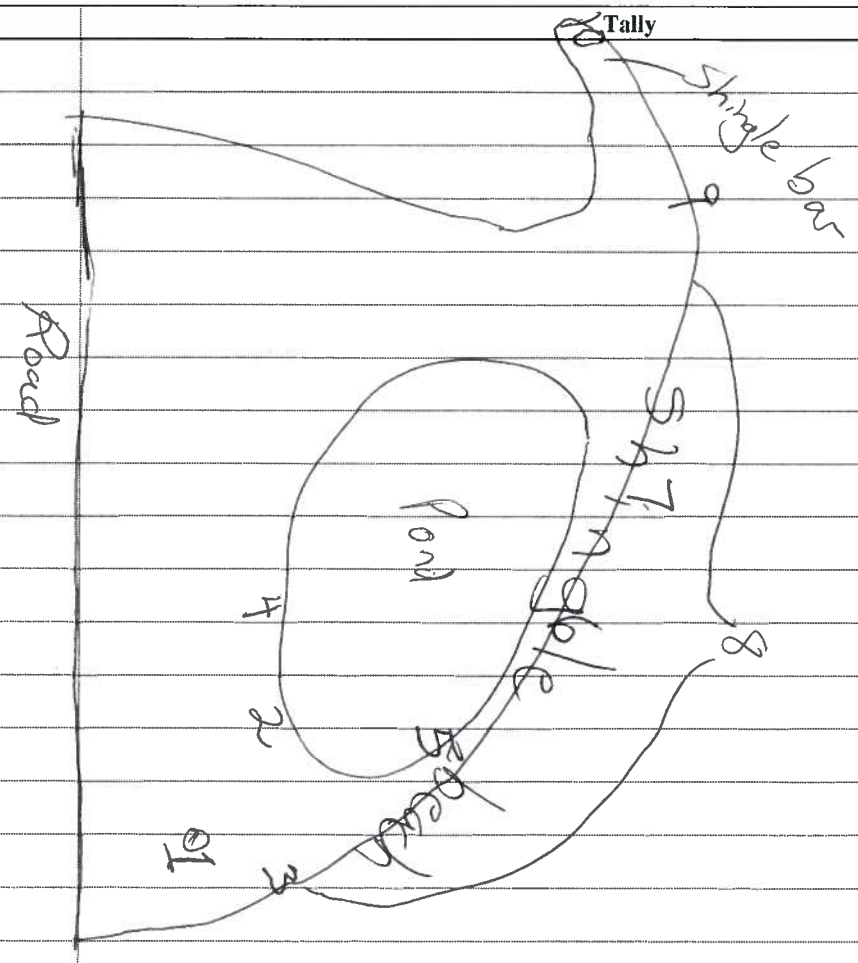
End Point UTM:

Habitat:

Transect:

Feature #:

| Species | Tally |
|---|---|
| | |



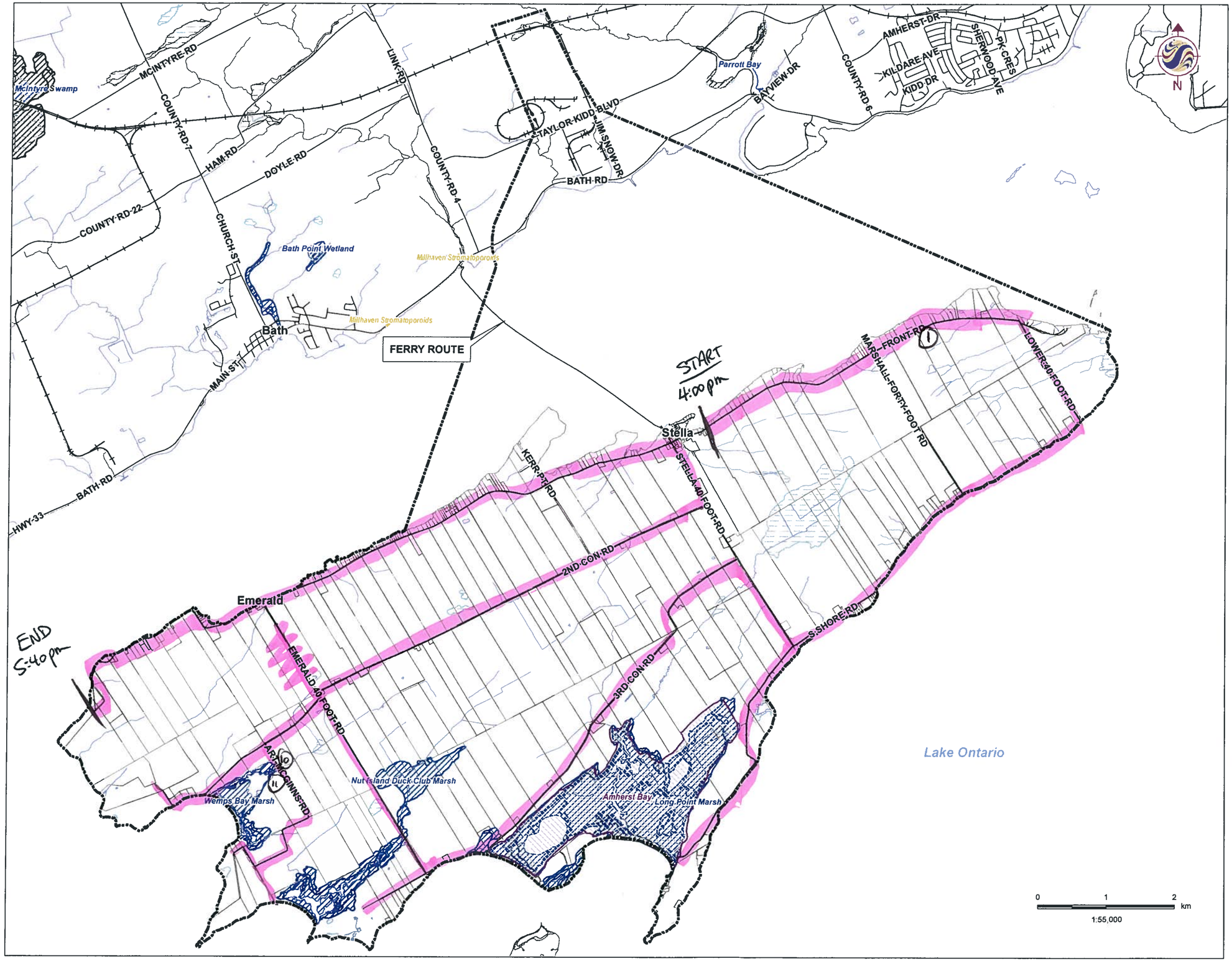

Pg. ___ of ___

Signature: Don Graham
(Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine Sm
(Project Manager)

REV: 2011-05-03 / FORM 014

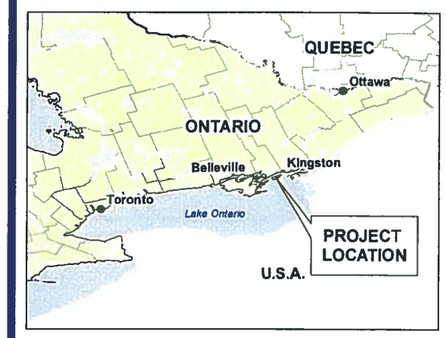



## Legend

- Project Study Area
- Road
- Railway
- Watercourse
- Waterbody
- Unevaluated Wetland
- Provincially Significant Wetland
- ANSI, Earth Science
- ANSI, Life Science
- Property Boundaries
- Wooded Area

Waterfowl Survey

September 1, 2011




## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.

Stantec

August 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

1

Title

**Field Map - Waterfowl & Raptor Migration**

W:\active\60960595\drawing\GIS\MXD\NHA\60960595_FieldMap_WaterfowlRaptorMigration_20110822.mxd
Revised on: 2011-08-22 By: pworsell

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst

Date: Sept 1, 2011

Field Personnel: A. Wormington / B. Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 25 | S (1) | 50 | 0 | 0 |

Start Time: 4:00 p.m.

End Time: 5:40 pm

Total KM Driven: 59

| Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|
| 1 | 4:07 pm | CAGO | 50 | Ag field | feeding |
| | | | | | |
| | | | | | |
| | | | | | |
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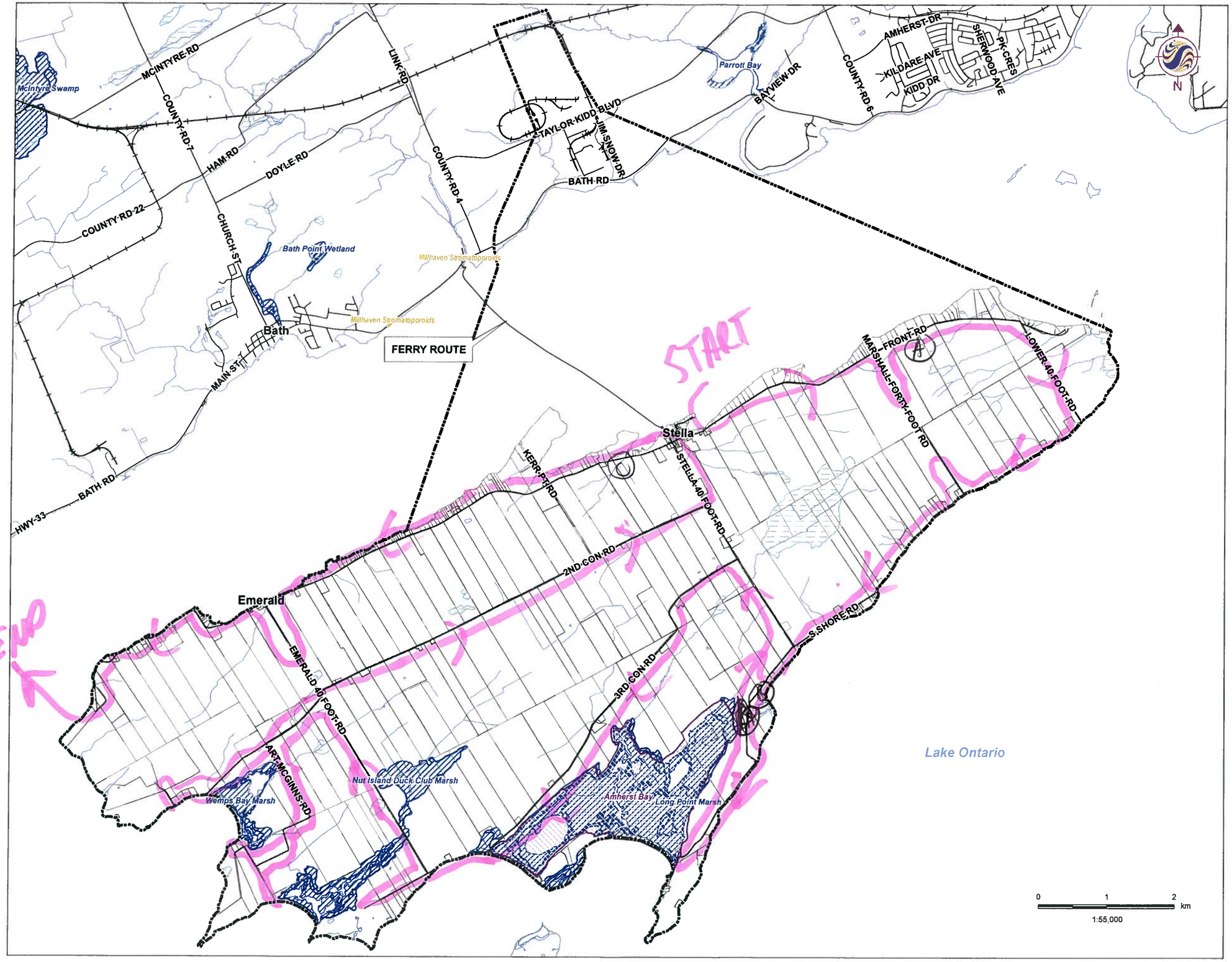
Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine Stern (Project Manager)

REV: 2011-05-18 / FORM 010-c




## Legend

- Project Study Area
- Road
- Railway
- Watercourse
- Waterbody
- Unevaluated Wetland
- Provincially Significant Wetland
- ANSI, Earth Science
- ANSI, Life Science
- Property Boundaries
- Wooded Area

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
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160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

1

Title

**Field Map - Waterfowl & Raptor Migration**

W:\active\60960595\drawing\GIS\MXD\NHA\60960595_FieldMap_WaterfowlRaptorMigration_20110822.mxd
Revised on: 2011-08-22 By: pworsell

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Canada N1G 4P5
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Fax: (519) 836-2493

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# Waterfowl Migration Observation Form

Project Number: 160960545

Project Name: Amherst

Date: Sep 6, 11 430

Field Personnel: B. Holde A. Warrington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20°C | 2 | 10% | — | Drizzle |

Start Time: 430pm

End Time: 7pm

Total KM Driven: 59

| Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|
| A | 445 | CAGO | 25 | Pasture | Feeding |
| B | 525 | CAGO | 30 | Pasture | Feeding |
| C | 6:30 | CAGO | 175 | Pasture | Feeding |
| | | | | | |
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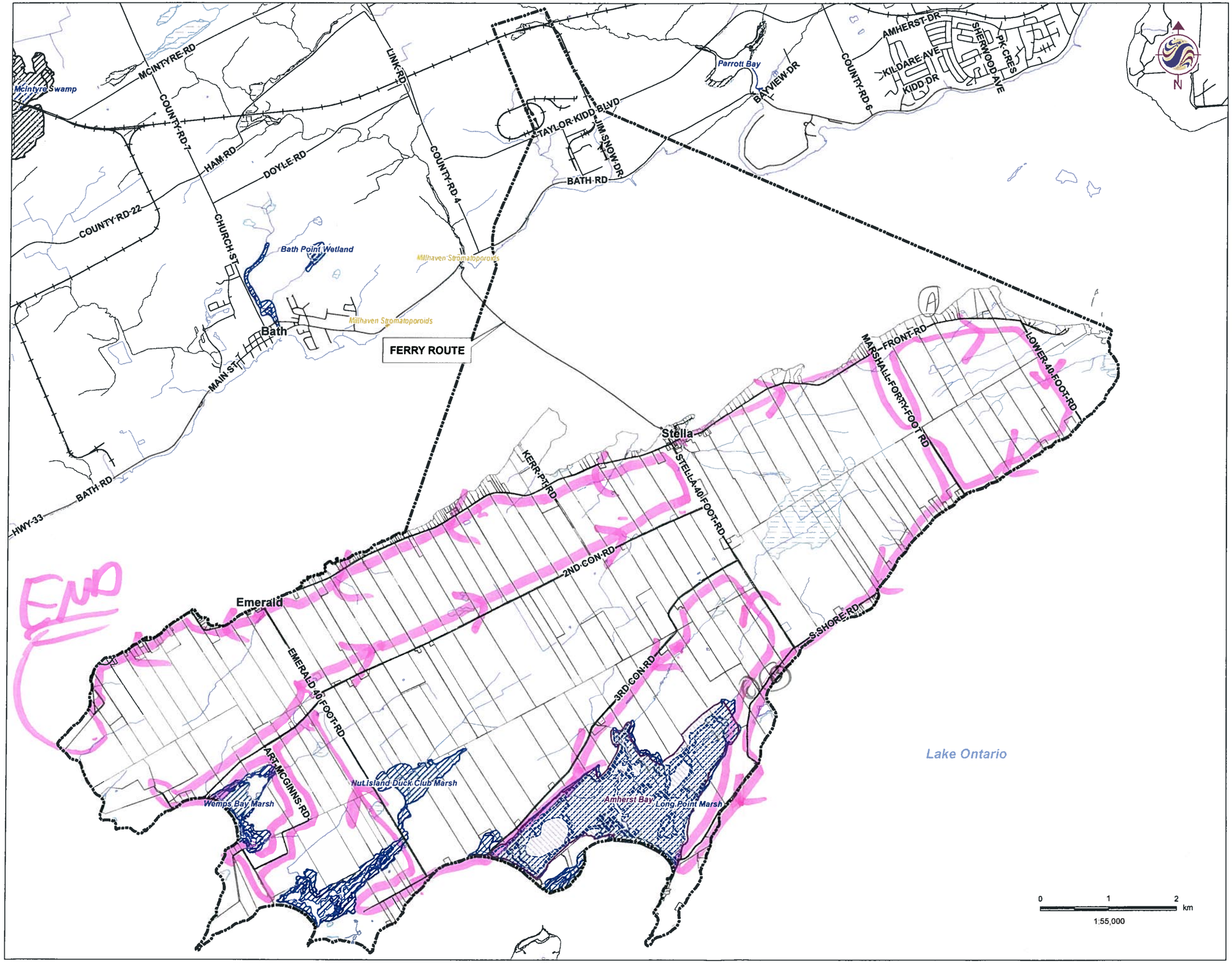
Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: Kathleen [illegible] (Project Manager)

REV: 2011-05-18 / FORM 010-c




## Legend

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- ANSI, Life Science
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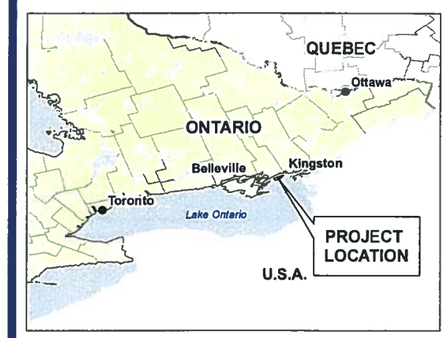
- Wooded Area




## Notes

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Figure No.

1

Title

**Field Map - Waterfowl & Raptor Migration**

W:\active\60960595\drawing\GIS\MXD\NHA\60960595_FieldMap_WaterfowlRaptorMigration_20110822.mxd
Revised on: 2011-08-22 By: pworsell

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Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

1:30 pm
4:30 pm

# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst

Date: Sep 15, 11

Field Personnel: B. Holden, M. Ross

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 19-17°C | 4 NW | 40-80% | ✓ | RAIN |

**Start Time:** 1:30

**End Time:** 4:30

**Total KM Driven:** 59 km

| Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|
| A | 151 | CAGO | 80 | on water | resting |
| B | 220 | " | 110 | Hayfield | feeding |
| C | 224 | " | 90 | " | " |
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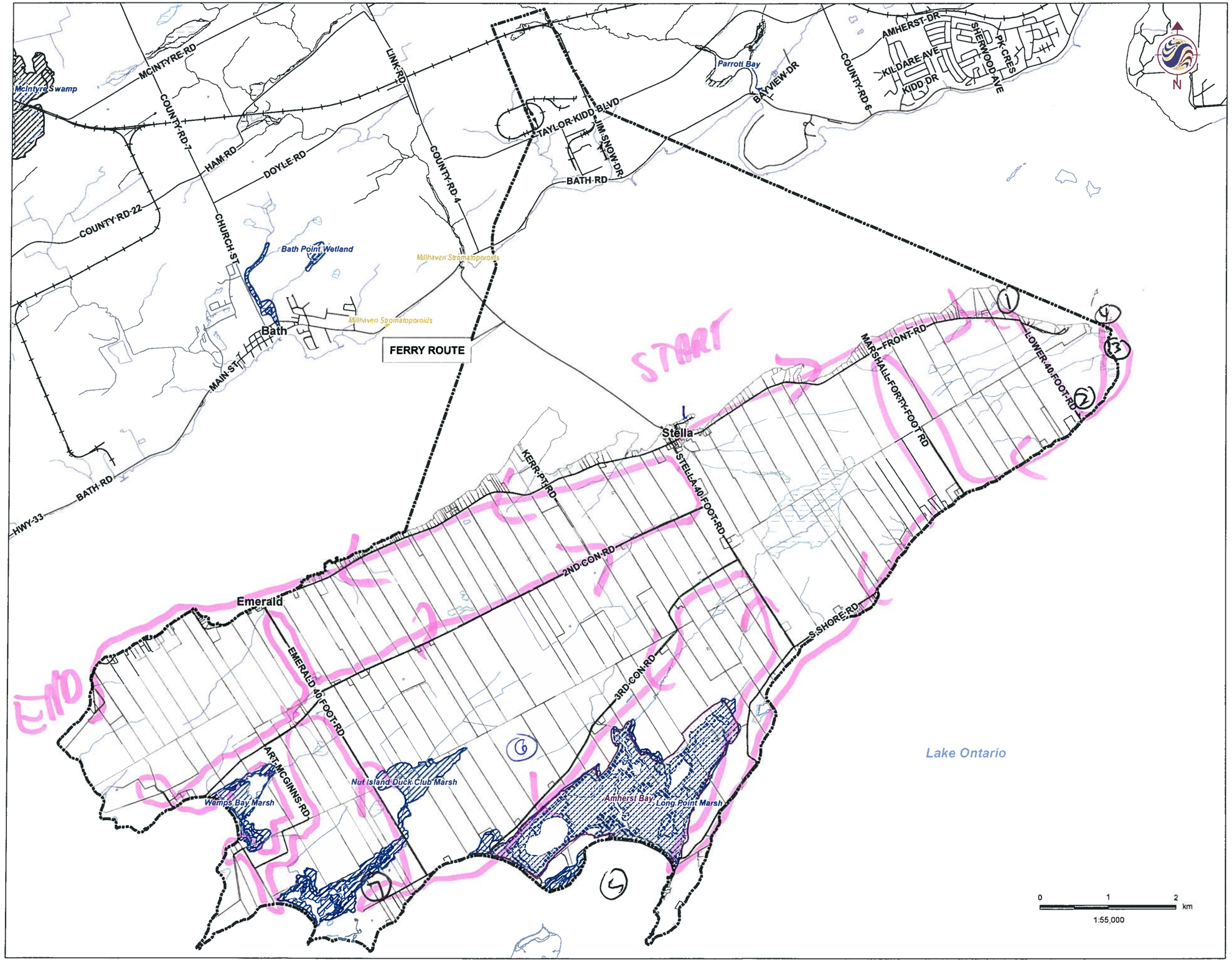
**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Project Manager)

REV: 2011-05-18 / FORM 010-c




## Legend

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- Waterbody
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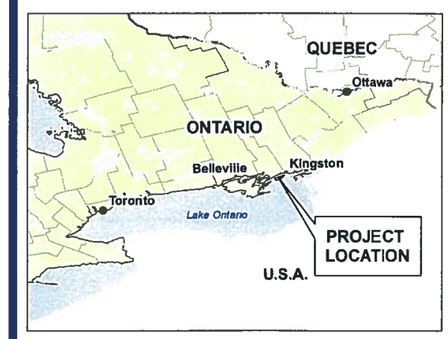
- ANSI, Life Science
- Property Boundaries
- Wooded Area




## Notes

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Client/Project

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AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

1

Title

**Field Map - Waterfowl & Raptor Migration**

W:\active\60960595\drawing\GIS\MXD\NHA\60960595_FieldMap_WaterfowlRaptorMigration_20110822.mxd
Revised on: 2011-08-22 By: pworsell

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# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst

Date: Sep 22, 2011

Field Personnel: B. Holden J. Morrell

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 19-23 | 3-52 | 20-90 | — | RAIN |

Start Time: 1pm

End Time: 630pm

Total KM Driven: 59km

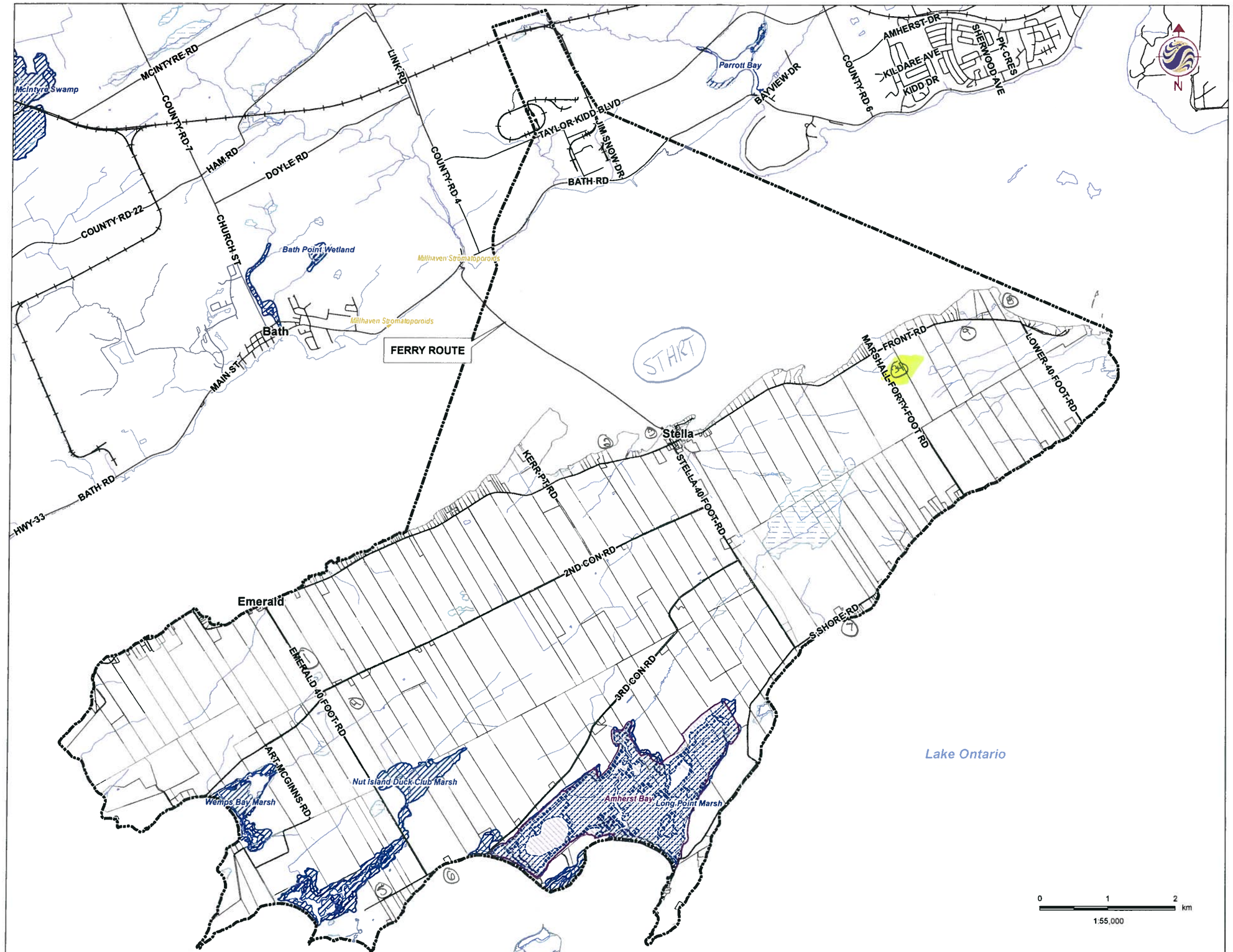
| Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|
| 1 | 138 | CAGO-25 MALL-5 | 7 | feeding in bay | — |
| 2 | 1:50 | CAGO | 75 | feeding | pasture. |
| 3 | 2:15 | MALL-20 CAGO-50 | ABDU -4 | feeding | Marsh? Shoreline. |
| 4 | 2:45 | Puddle duck -40 Bay duck -15 | MUSW-1 CAGO-30 | feeding | resting on gravel bar |
| 5 | 4:12 | CAGO - | 200 | - on bay | resting. |
| 6 | 441 | CAGO | 100 | - Agriculture | - feeding. |
| 7 | 502 | CAGO | 250 | - hay | - feeding |
| | | | | | |
| | | | | | |
| | | | | | |

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-18 / FORM 010-c




## Legend

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- Road
- Railway
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- Waterbody
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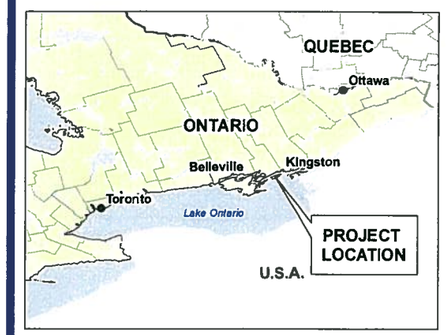
- ANSI, Life Science
- Property Boundaries
- Wooded Area

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AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

1

Title

**Field Map - Waterfowl & Raptor Migration**

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Revised on: 2011-08-22 By: pworsell

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# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: September 29/2011

Field Personnel: Josh Mansell

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 19 | 2 | 70% | | |

Start Time: 13:00

End Time: 16:00

Total KM Driven: 59

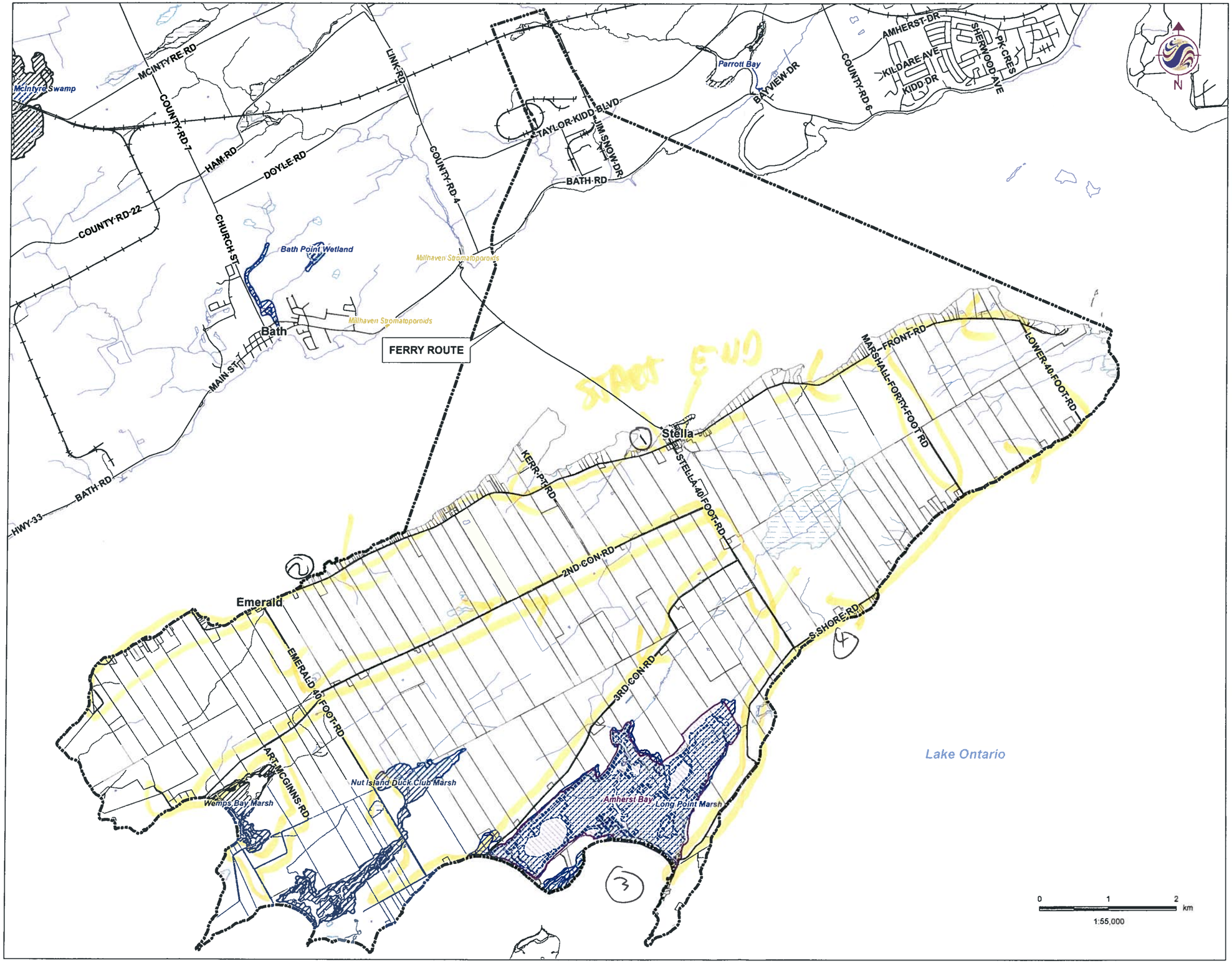
| Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|
| 1 | 13:28 | CAGO | 25 | ag. field | feeding |
| 2 | 13:42 | CAGO | 50 | lakeshore bay | loafing. |
| 3 | 13:47 | MALL | 4 | lakeshore | loafing. |
| 4 | 1410 | CAGO | 12 | pasture | feeding. |
| 5 | 1446 | CAGO | 250 | hay field | feeding / loafing |
| 6 | 1450 | COME | 10 | lake | diving. |
| 7 | 1525 | MALL | 20 | lakeshore | loafing |
| 8 | 1537 | CAGO | 60 | lakeshore / bay | loafing / swimming |
| 9 | 1543 | CAGO | 50 | pasture | feeding |
| | | | | | |

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

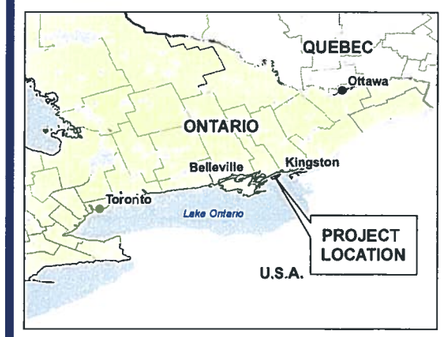
Signature: Katherine Shu
(Project Manager)

REV: 2011-05-18 / FORM 010-c




## Legend

- Project Study Area
- Road
- Railway
- Watercourse
- Waterbody
- Unevaluated Wetland
- Provincially Significant Wetland
- ANSI, Earth Science
- ANSI, Life Science
- Property Boundaries
- Wooded Area




## Notes

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Figure No.

1

Title

**Field Map - Waterfowl & Raptor Migration**

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Revised on: 2011-08-22 By: pworsell

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# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst

Date: Oct 6, 11

Field Personnel: B. Holden J Marcell

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 10-17 | 0-3 | / | / | / |

Start Time: 11:30 AM

End Time: 3:00 PM

Total KM Driven: 59

| Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|
| 1 | 12:00 | RBME<br>CAGO | 2<br>75 | on shore | resting |
| 2 | 1222 | CAGO | 60 | " | " |
| 3 | 228 | " | 100 | offshore | resting |
| 4 | 236 | " | 35 | " | " |
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Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine [illegible] (Project Manager)

REV: 2011-05-18 / FORM 010-c

McIntyre Swamp
MCINTYRE RD
COUNTY RD 7
HAM RD
DOYLE RD
COUNTY RD 22
CHURCH ST
Bath Point Wetland
Bath
MAIN ST
BATH RD
HWY 33
LINK RD
COUNTY RD 4
Millhaven Stromatoporoids
Millhaven Stromatoporoids
FERRY ROUTE
TAYLOR KIDD BLVD
JIM SNOW DR
BATH RD
Parrott Bay
BAYVIEW DR
COUNTY RD 6
AMHERST DR
KILDARE AVE
KIDD DR
SHERWOOD AVE
PK CRES
START
END
Stella
KERR PT RD
STELLA 40 FOOT RD
MARSHALL FORTY FOOT RD
FRONT RD
LOWER 40 FOOT RD
2ND CON RD
3RD CON RD
S SHORE RD
Emerald
EMERALD 40 FOOT RD
ART MCGINNIS RD
Nut Island Duck Club Marsh
Wemps Bay Marsh
Amherst Bay
Long Point Marsh
Lake Ontario
#1
#2
#3
#4
#5
#6
#7
#8
#9
0 1 2 km
1:55,000

## Legend

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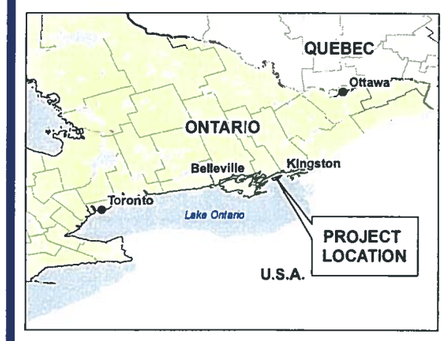


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Figure No.

1

Title

**Field Map - Waterfowl & Raptor Migration**

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Revised on: 2011-08-22 By: pworsell

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# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: Oct. 12, 2011

Field Personnel: Brandon Holden ; Zoé Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 16°C | 1-2 | 90% | none – moderate rain | none |

2:07 – light rain ; 2:48 – moderate rain ; 3:12 – light rain ; 3:41 – rain stopped ; 4:08 – light rain

Start Time: 1:27 pm

End Time: 4:29 pm

Total KM Driven: 81.3 km

522.0
603.3
81.3

| Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|
| 1 | 1:39 | CAGO<br>MALL<br>ABDU | 25<br>4<br>4 | shoreline | feeding |
| 2 | 2:11 | MALL | 9 | shoreline | resting |
| 3 | 2:23 | CAGO<br>COME | 10<br>3 | shoreline | feeding |
| 4 | 2:44 | CAGO | 175 | agr. field | feeding |
| 5 | 2:55 | CAGO | 85 | agr. field | feeding |
| 6 | 3:43 | CAGO | 100 | agr. field | feeding |
| 7 | 3:58 | CAGO | 50 | agr. field | feeding |
| 8 | 4:09 | CAGO | 40 | pasture | feeding |
| 9 | 4:12 | CAGO<br>MALL<br>COME | 5<br>15<br>8 | shoreline<br>shoreline<br>shoreline | feeding<br>"<br>" |
| | | | | | |

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathleen Shu (Project Manager)

REV: 2011-05-18 / FORM 010-c

McIntyre Swamp
MCINTYRE RD
COUNTY RD 7
HAM RD
DOYLE RD
COUNTY RD 22
CHURCH ST
Bath Point Wetland
Bath
MAIN ST
BATH RD
HWY 33
LINK RD
COUNTY RD 4
Millhaven Stromatoporoids
Millhaven Stromatoporoids
FERRY ROUTE
TAYLOR KIDD BLVD
JIM SNOW DR
BATH RD
Parrott Bay
BAYVIEW DR
COUNTY RD 6
AMHERST DR
KILDARE AVE
KIDD DR
SHERWOOD AVE
PK CRES
Stella
STELLA AIRFOOT RD
KERR PT RD
2ND CON RD
3RD CON RD
MARSHALL FORD FOOT RD
LOWER AIRFOOT RD
SHORE RD
Emerald
EMERALD AIRFOOT RD
ARMCGINNIS RD
Wemps Bay Marsh
Nut Island Duck Club Marsh
Amherst Bay
Long Point Marsh
Lake Ontario
N
0 1 2 km
1:55,000

## Legend

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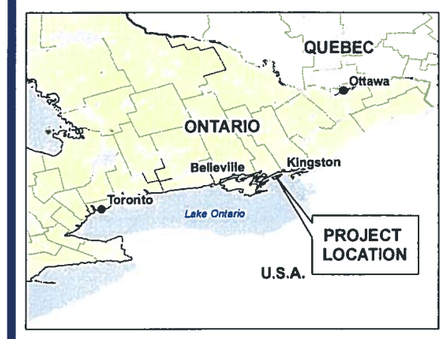


## Notes

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AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

1

Title

**Field Map - Waterfowl & Raptor Migration**

W:\active\60960595\drawing\GIS\MXD\NHA\60960595_FieldMap_WaterfowlRaptorMigration_20110822.mxd
Revised on: 2011-08-22 By: pworsell

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Canada N1G 4P5
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Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: Oct. 20/11

Field Personnel: Brandon Holden & Z. Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 14°C | 3 | 90% | none | heavy rain |

Start Time: 1:47 pm

End Time: 5:02 pm

Total KM Driven: ~85 km

| Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|
| 1 | 2:31 | CAGO<br>MALL | 25<br>15 | - in pasture | - feeding |
| 2 | 2:37 | RBME | 1 | - shoreline | - flying SW |
| 3 | 2:50 | RBME | 2 | - shoreline | - feeding |
| 4 | 4:19 | CAGO | 110 | - in pasture | - feeding |
| 5 | 4:43 | MALL<br>RBME<br>GRSC | 6<br>3<br>1 | - shoreline | - feeding |
| | | | | | |
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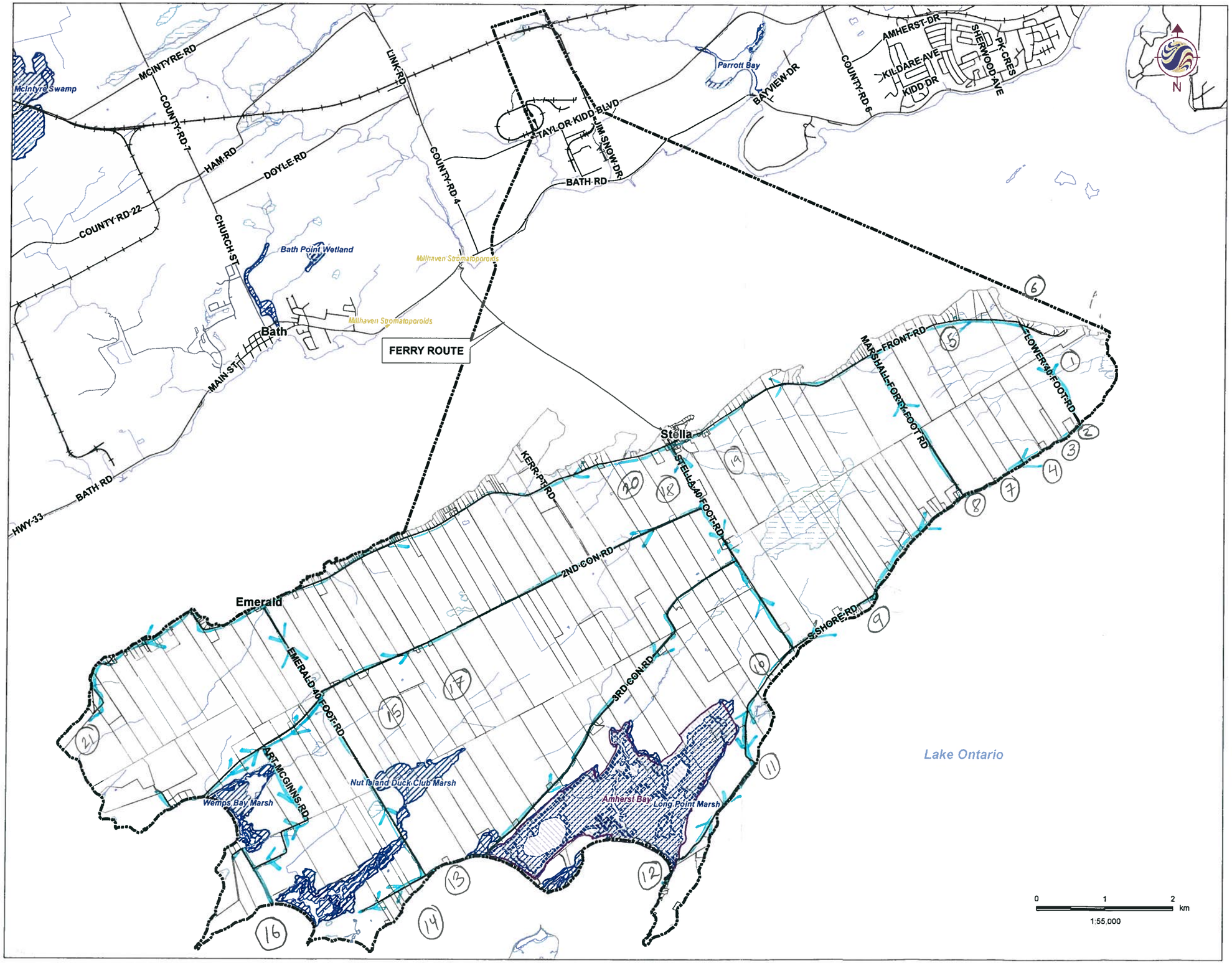
| | | | | | |
| | | | | | |

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathrin Shu (Project Manager)

REV: 2011-05-18 / FORM 010-c




## Legend

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## Notes

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Figure No.

1

Title

**Field Map - Waterfowl & Raptor Migration**

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Revised on: 2011-08-22 By: pworsell

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Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

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(1)

# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: Oct. 27 / 11

Field Personnel: Josh Maxwell + Zoé Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 6°C | 4 | 85% | none | scattered showers |

Start Time: 12:03 pm

End Time: 4:25 pm

Total KM Driven: same route as previous week ~ 80 km ?? - see previous data sheets

| | Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|---|
| 40 | 1 | 12:16 | CAGO | 100 | pasture | - resting |
| 41 | 2 | 12:22 | CAGO<br>RBME | 100<br>1 | shoreline | - feeding (flock #1 joined up w/ flock #2) |
| 42 | 3 | 12:23 | GADW | 2 | shoreline | - flying E |
| 43 | 4 | 12:27 | RBME | 150 | shoreline | - feeding |
| 44 | 5 | 12:42 | CAGO | 40 | pasture | - flew from water to pasture |
| (61) | 6 | 12:46 | mixed flock divers + dabblers | 250 | shoreline | - feeding |
| 45 | 7 | 12:53 | HOGR | 3 | shoreline | - feeding |
| 46 | 8 | 12:56 | HOGR<br>RBME | 10<br>1 | shoreline | - feeding |
| 47 | 9 | 1:10 | RBME | 75 | shoreline | - feeding |
| 25 | 10 | 1:10 | CAGO | 70 | pasture | - feeding |

Quality Control: This form is complete ☐ & legible ☐.

Signature: (Field Personnel)

Signature: Kathiann Shu (Project Manager)

REV: 2011-05-18 / FORM 010-c

(2)

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Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: Oct. 27/11

Field Personnel: Josh Mansell + Zoé Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 6°C | 4 | 85% | none | scattered showers |

Start Time: 12:03 pm

End Time: 4:25 pm

Total KM Driven:

| | Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|---|
| 48 | 11 | 1:18 | RBME | 18 | shoreline | feeding |
| 49 | 12 | 1:26 | RBME<br>CAGO<br>TUSW | 25<br>10<br>8 | shoreline | feeding |
| not 17 mute, peared o be -US- ut ould of et very good iew : not 00% rtain | 13 | 1:51 | BUFF<br>RBME | 50<br>40 | shoreline | feeding |
| 50 | 14 | 1:58 | RBME<br>COGO | 20<br>10 | shoreline | feeding |
| 51 | 15 | 2:11 | CAGO | 20 | pasture | feeding |
| 33 | 16 | 2:45 | BUFF | 30 | shoreline | feeding |
| 52 | 17 | 3:21 | CAGO | 50 | pasture | feeding |
| 36 | 18 | 3:39 | CAGO | 30 | pasture | feeding |
| 53 | 19 | 3:49 | CAGO | 10 | pasture | feeding |
| 3 | 20 | 3:51 | CAGO | 150 | pasture | feeding |

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: (Project Manager)

REV: 2011-05-18 / FORM 010-c

(3)

***Other Bird Species***

Please record any flock behavior (i.e. gulls, crows, blackbirds), raptors or any significant species.

| Flock #/ Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|
| SP 21/:14 | CAGO | 150 | - pasture | - feeding |
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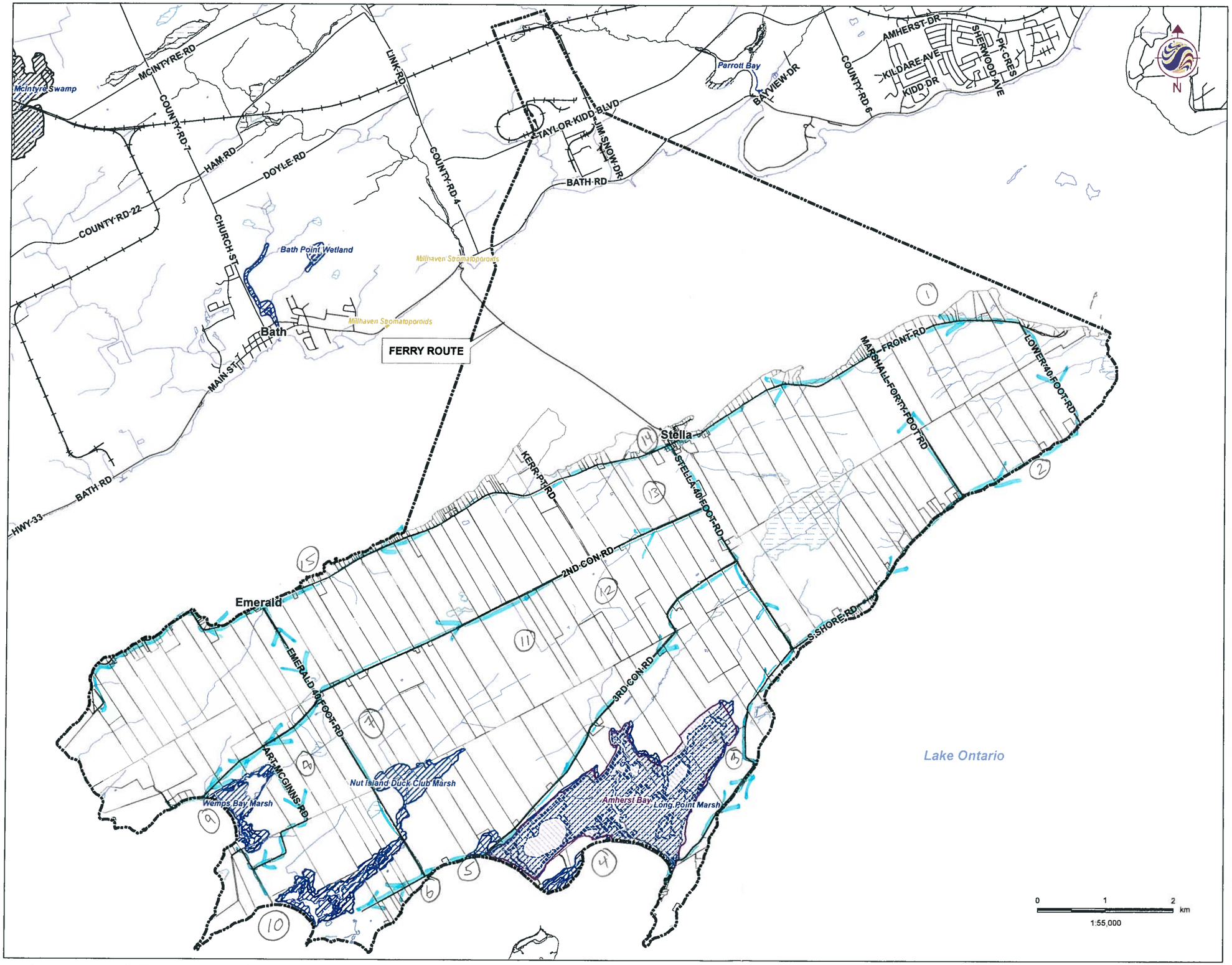
Page 3 of 3

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** _____ (Field Personnel)

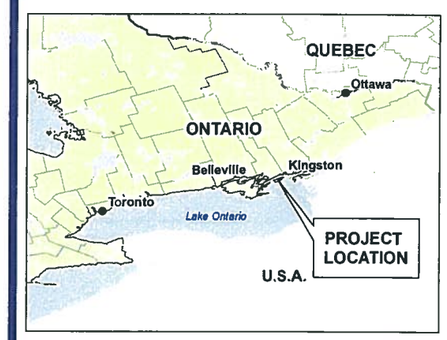
**Signature:** Kathrin Sm (Project Manager)

REV: 2011-05-18 / FORM 010-c




## Legend

- Project Study Area
- Road
- Railway
- Watercourse
- Waterbody
- Unevaluated Wetland
- Provincially Significant Wetland
- ANSI, Earth Science
- ANSI, Life Science
- Property Boundaries
- Wooded Area




## Notes

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August 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

1

Title

**Field Map - Waterfowl & Raptor Migration**

W:\active\60960595\drawing\GIS\MXD\NHA\60960595_FieldMap_WaterfowlRaptorMigration_20110822.mxd
Revised on: 2011-08-22 By: pworsell

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Canada N1G 4P5
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Fax: (519) 836-2493

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# Waterfowl Migration Observation Form

1

Project Number: 160960595

Project Name: Amherst Island

Date: Nov. 3/11

Field Personnel: J. Mansell & Z. Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 10 °C; down to 5°C by ~2:00pm | 3-4 - wind picked up by 2:00pm | 20% - 100% ↳ @ 2:00pm | none | none - conditions changed as cold weather system came in |

Start Time: 10:52 am

End Time: 3:33 pm

Total KM Driven: - same route as previous weeks 80km

| | Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|---|
| 4 | 1 | 11:09 | BUFF<br>RBME | 15<br>30 | - shoreline<br>- shoreline | - flying SW, 10 m above wate<br>- feeding |
| 55 | 2 | 11:20 | HOGR | 2 | - shoreline | - feeding |
| 56 | 3 | 11:53 | CAGO | 30 | - pasture | - resting |
| 10 | 4 | 12:05 | CAGO | 275 | - shoreline | - feeding |
| 57 | 5 | 12:45 | BUFF | 20 | - shoreline | - feeding |
| 58 | 6 | 12:52 | BUFF | 50 | - shoreline | - feeding |
| 59 | 7 | 1:12 | CAGO | 60 | - pasture | - feeding |
| 60 | 8 | 1:35 | CAGO | 25 | - flying over pasture | - flying SW, 100 m above ground |
| 31 | 9 | 1:44 | CAGO<br>ABDU | 75<br>10 | - shoreline | - feeding<br>- ABDU flew N, 1m above water (5m) |
| 33 | 10 | 2:14 | BUFF<br>ABDU | 10<br>15 | - shoreline | - feeding |

Quality Control: This form is complete ☐ & legible ☐.

Signature: (Field Personnel)

Signature: Katherine Shu (Project Manager)

REV: 2011-05-18 / FORM 010-c

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2

# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: Nov. 3/11

Field Personnel: J. Mansell; Z. Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 10°C – 5°C | 3–4 | 20–100% | none | none |

– conditions changed as cold weather system came in

Start Time: 10:52 am

End Time: 3:33 pm

Total KM Driven:

| | Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|---|
| 61 | 11 | 2:56 | CAGO | 15 | – pasture | – feeding |
| 23 | 12 | 3:01 | CAGO | 30 | – pasture | – feeding |
| 62 | 13 | 3:05 | CAGO | 125 | – pasture | – feeding |
| 15 | 14 | 3:14 | MALL | 20 | – shoreline | – resting |
| 20 | 15 | 3:25 | RBME | 7 | – shoreline | – feeding |
| | | | | | | |
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Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☑.

Signature: Kathrin Sh (Project Manager)

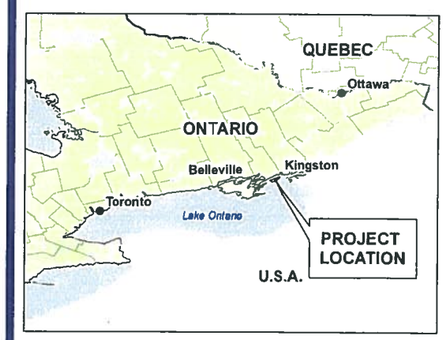
REV: 2011-05-18 / FORM 010-c

EAST - MAINLAND

McIntyre Swamp
MCINTYRE RD
COUNTY RD 7
HAM RD
DOYLE RD
COUNTY RD 22
CHURCH ST
LINK RD
COUNTY RD 4
TAYLOR KIDD BLVD
JIM SNOW DR
BATH RD
Parrott Bay
BAYVIEW DR
COUNTY RD 6
AMHERST DR
KILDARE AVE
KIDD DR
SHERWOOD AVE
PK CRES
Bath Point Wetland
Millhaven Stromatoporoids
Millhaven Stromatoporoids
Bath
MAIN ST
FERRY ROUTE
HWY 33
BATH RD
Stella
KERR PT RD
STELLA 40 FOOT RD
MARSHALL FORTY FOOT RD
MARSHALL FRONT RD
LOWER 40 FOOT RD
2ND CON RD
Emerald
EMERALD 40 FOOT RD
3RD CON RD
S SHORE RD
ART MCGINNS RD
Nut Island Duck Club Marsh
Wemps Bay Marsh
Amherst Bay
Long Point Marsh
Lake Ontario
N
0 1 2 km
1:55,000

## Legend

- Project Study Area
- Road
- Railway
- Watercourse
- Waterbody
- Unevaluated Wetland
- Provincially Significant Wetland
- ANSI, Earth Science
- ANSI, Life Science
- Property Boundaries
- Wooded Area




## Notes

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August 2011
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AMHERST ISLAND WIND ENERGY PROJECT

Figure No.
1

Title
**Field Map - ~~Waterfowl & Raptor Migration~~** Waterfowl, Winter Raptor & Short-eared Owl

W:\active\60960595\drawing\GIS\MXD\NHA\60960595_FieldMap_WaterfowlRaptorMigration_20110822.mxd
Revised on: 2011-08-22 By: pworsell

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Canada N1G 4P5
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Fax: (519) 836-2493

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# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: Nov. 9/11

Field Personnel: J. Mansell, Z. Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 15°C | 2, SW | 15% | none | light rain |

Start Time: 1:08 pm

End Time: 3:49 pm

Total KM Driven: 33 km

22218 22251

| Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|
| 1 | 1:13 | MALL | 12 | - shoreline | - feeding |
| 2 | 1:34 | TUSW<br>BUFF<br>ABME | 40<br>3<br>3 | - shoreline | - feeding<br>- feeding<br>- flying SW |
| 3 | 2:53 | CAGO<br>BUFF<br>RBME | 4<br>10<br>1 | - shoreline | - feeding |
| 4 | 3:02 | ~~BUFF~~<br>COME | ~~35~~<br>4 | - shoreline | - feeding |
| 5 | 3:02 | CAGO | 20 | - shoreline | - feeding |
| 6 | 3:04 | CAGO | 12 | - flying from inland island | - flying SW @ 150m |
| 7 | 3:32 | CAGO | 14 | - in pond | - resting |
| 8 | 3:37 | CAGO | 200 | - in pasture | - feeding |
| 9 | 3:40 | CAGO | 5 | - in pasture | - feeding |
| | | | | | |

Waterfowl observed on Taylor-Kidd (Grove road 63 1:03 & 8:12)

15 63 48 49 63 64 65 66 24

Quality Control: This form is complete ☐ & legible ☐.

Signature: (Field Personnel)

Signature: Kathrin Sh (Project Manager)



REV: 2011-05-18 / FORM 010-c

WEST

McIntyre Swamp
MCINTYRE RD
COUNTY RD 7
HAM RD
DOYLE RD
COUNTY RD 22
CHURCH ST
LINK RD
COUNTY RD 4
TAYLOR KIDD BLVD
JIM SNOW DR
BATH RD
Parrott Bay
BAYVIEW DR
COUNTY RD 6
AMHERST DR
KILDARE AVE
KIDD DR
SHERWOOD AVE
PK CRES
Bath Point Wetland
Millhaven Stromatoporoids
Millhaven Stromatoporoids
Bath
MAIN ST
FERRY ROUTE
HWY 33
BATH RD
Stella
STELLA 40 FOOT RD
KERR PT RD
MARSHALL FORTY FOOT RD
FRONT RD
LOWER 40 FOOT RD
2ND CON RD
3RD CON RD
S SHORE RD
Emerald
EMERALD 40 FOOT RD
ART MCGINNIS RD
Wemps Bay Marsh
Nut Island Duck Club Marsh
Amherst Bay
Long Point Marsh
Lake Ontario

0 1 2 km
1:55,000

## Legend

- Project Study Area
- Road
- Railway
- Watercourse
- Waterbody
- Unevaluated Wetland
- Provincially Significant Wetland
- ANSI, Earth Science
- ANSI, Life Science
- Property Boundaries
- Wooded Area

QUEBEC
Ottawa
ONTARIO
Belleville
Kingston
Toronto
Lake Ontario
U.S.A.
PROJECT LOCATION

## Notes

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AMHERST ISLAND WIND ENERGY PROJECT

Figure No.
1

Title
**Field Map - Waterfowl, Winter Raptor ~~Migration~~ + Short-eared Owl**

W:\active\60960595\drawing\GIS\MXD\NHA\60960595_FieldMap_WaterfowlRaptorMigration_20110822.mxd
Revised on: 2011-08-22 By: pworsell

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Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: NOV 9, 2011

Field Personnel: STAMV & HESLOP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 15°C | SW 5km | 30% | 0 | LIGHT MIST |

33486

Start Time: 12:00

End Time: 4:30

Total KM Driven: 45 km

| | Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|---|
| 67 | 1 | 1200 | RBME<br>COGO<br>BUFF | 12<br>6<br>35 | SHORE OF BAY | FEEDING |
| 68 | 2 | 1230 | BUFF<br>RBME | 2<br>2 | " | " |
| 69 | 3 | 1320 | CAGO | 120 | AGR. FIELD | FLYING S @ 30 to 60m |
| 17 | 4 | 1342 | BUFF<br>RBME | 75<br>6 | IN BAY | FEEDING |
| 70 | 5 | 1350 | CAGO | 60 | ON POINT. | RESTING. |
| 71 | 6 | " | CAGO | 25 | ON BEACH | " |
| 15 | 7 | 1423 | CAGO<br>BUFF<br>MALL<br>COGO | 20<br>2<br>3<br>4 | NEAR SHORE | RESTING<br>"<br>"<br>FEEDING. |
| 72 | 8 | 1432 | RBME | 4 | " | " |
| | 9 not indicated on Map | 1500 | CAGO | 4 | AG. FIELDS | FLYING E @ 40m |
| 73 | 10 | 1505 | RBME | 20 | OPEN WATER - | FLYING W @ 1m |
| 74 | 11 | 1510 | RBME | 34 | NEAR SHORE | FEEDING |
| 75 | 12 | 1515 | RBME | 16 | " " | " |

Signature: Robert Slaney
(Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: Kathleen Shum
(Project Manager)

REV: 2011-05-18 / FORM 010-c

P. 1 of 2

***Other Bird Species***

Please record any flock behavior (i.e. gulls, crows, blackbirds), raptors or any significant species.

| | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|
| 76 | 13 RBMR | 5 | ALONG SHORE | FEEDING |
| | MALL | 1 | | |
| 77 | 14 RBME | 125 | 100m off shore | FEEDING |
| | WWSC | 1 | " | " |
| | MALL | 3 | " | " |
| 78 | 15 RBME | 14 | NEAR SHORE | FEEDING |
| | MALL | 2 | | |
| 79 | 16 RBME | 15 | " | " |
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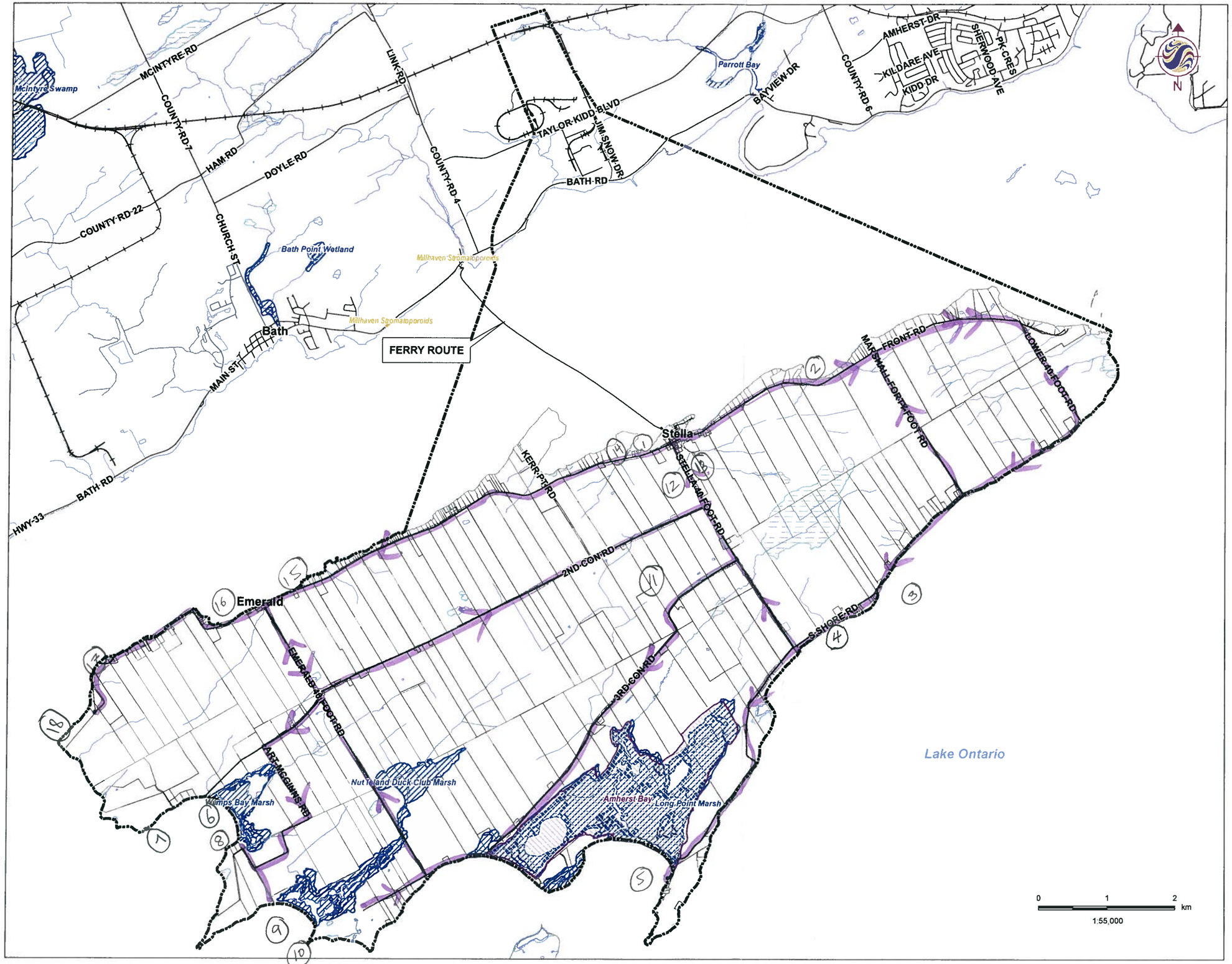
**Signature:** [signature] (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

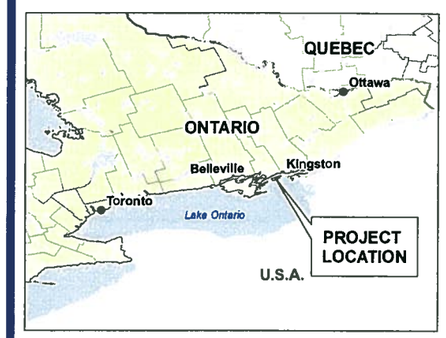
**Signature:** _____ (Project Manager)

REV: 2011-05-18 / FORM 010-c




## Legend

- Project Study Area
- Road
- Railway
- Watercourse
- Waterbody
- Unevaluated Wetland
- Provincially Significant Wetland
- ANSI, Earth Science
- ANSI, Life Science
- Property Boundaries
- Wooded Area




## Notes

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August 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

1

Title

**Field Map - Waterfowl & Raptor Migration**

W:\active\60960595\drawing\GIS\MXD\NHA\60960595_FieldMap_WaterfowlRaptorMigration_20110822.mxd
Revised on: 2011-08-22 By: pworsell

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst

Date: Nov. 17/11

Field Personnel: G. Mansell, Z. Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 2°C – 4°C | 3 – 4, NW | 50 – 75% | light flurries for 15 min @ 3:48 | none |

Start Time: 10:53

End Time: 4:12 (stopped @ out woods for 20 min)

Total KM Driven: 80 km

10846 10926

| | Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|---|
| 15 | 1 | 10:53 | CAGO<br>BUFF<br>RBME<br>MALL<br>~~COGO~~ | 150<br>20<br>10<br>5<br>~~30~~ | - in bay | - some flew up to field - low @ 15m<br>- others feeding |
| 39 | 2 | 11:06 | BUFF<br>RBME<br>COGO<br>MALL | 4<br>4<br>125<br>2 | - in bay | - feeding |
| 35 | 3 | 12:24 | BUFF | 30 | - near shore | - flying SW @ 10 m (20)<br>- feeding (10) |
| 18 | 4 | 12:31 | COGO | 25 | - near shore | - feeding |
| 10 | 5 | 12:42 | BUFF<br>(Scaup)<br>COGO | 15<br>2<br>2 | - in bay | - flew SW @ 2 m<br>- feeding<br>- feeding |
| 31 | 6 | 1:54 | COME<br>RBME | 3<br>1 | - in bay | - feeding |
| 30 | 7 | 1:57 | COGO<br>BUFF | 100<br>25 | - near shore | - feeding |
| 32 | 8 | 2:16 | MALL<br>ABDU | 20<br>10 | - near shore | - flying W @ 2 m above water |
| 33 | 9 | 2:24 | ABDU<br>BUFF<br>RBME | 20<br>3<br>2 | - in bay | - flying SW @ 20 m<br>- feeding<br>- feeding |
| 34 | 10 | 2:26 | BUFF | 30 | - near point | - feeding |

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: Kathleen [illegible] (Project Manager)

REV: 2011-05-18 / FORM 010-c

**Stantec Consulting Ltd.**
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Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst

Date: Nov. 17/11

Field Personnel: J. Mansell, Z. Lehrman-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 2°C – 4°C | 3 – 4 | 50 – 75% | light flurries for 15 min | none |

**Start Time:** 10:53

**End Time:** 4:12

**Total KM Driven:**

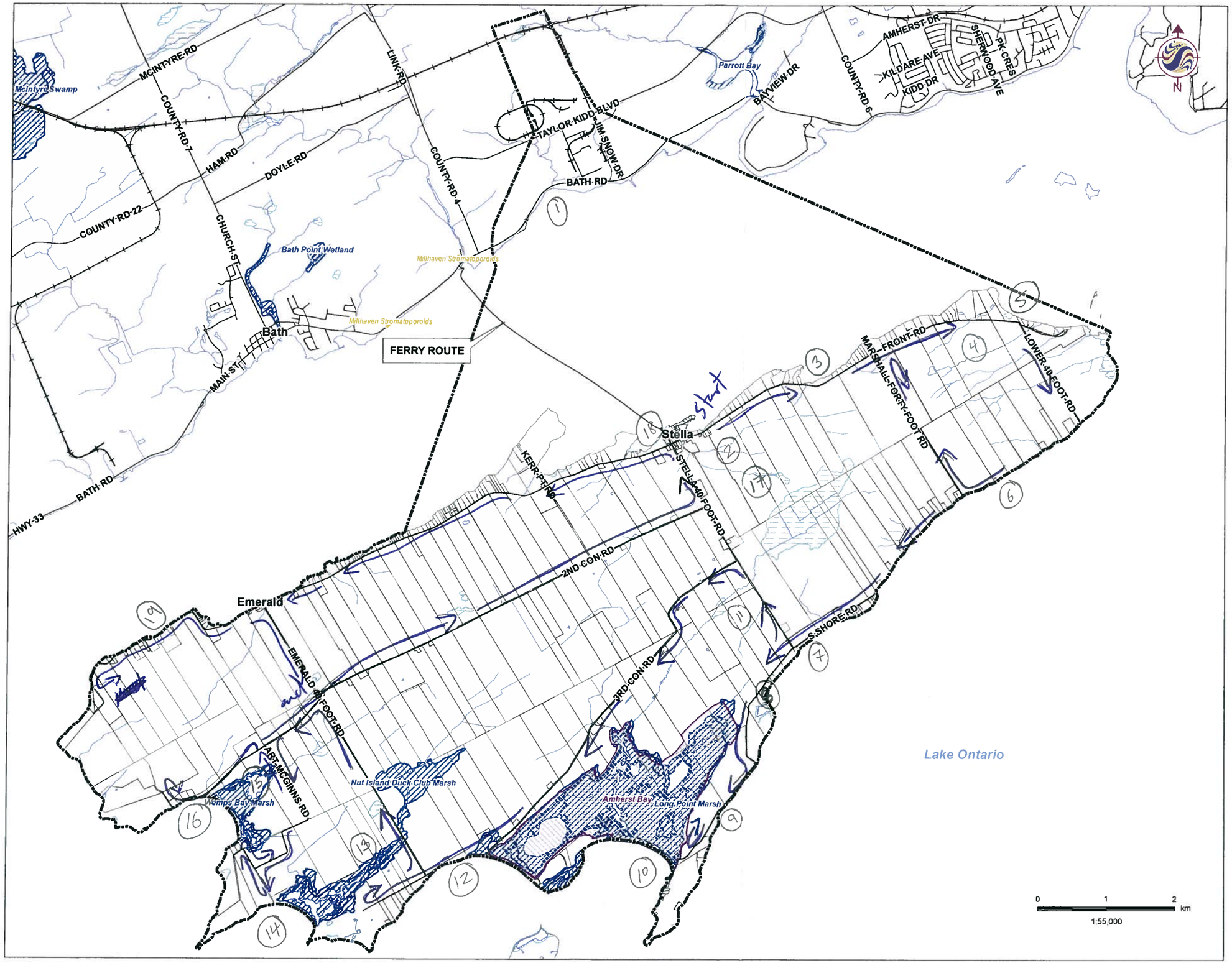
| | Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|---|
| 37 | 11 | 3:32 | CAGO | 20 | - flying over pastures | - flying N @ 100m over island |
| 36 | 12 | 3:35 | CAGO | 20 | - pasture | - feeding |
| 24 | 13 | 3:36 | CAGO | 30 | - pasture | - feeding |
| 14 | 14 | 3:39 | CAGO | 200 | - pasture | - feeding |
| 20 | 15 | 3:52 | CAGO | 10 | - near shore | - feeding |
| 38 | 16 | 3:57 | RBME<br>WWSC | 15<br>2 | - near shore | - feeding |
| site-unged after 28 | 17 | 4:06 | MALL | 17 | - on shore | - resting |
| 29 | 18 | 4:08 | CAGO (ducks) | 8<br>100 | - shoreline<br>- near shore | - flying NE @ 30m<br>- feeding |
| too far to ID | | | | | | |
| | | | | | | |

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

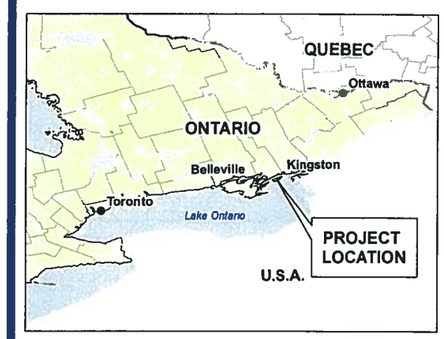
Signature: Kathrin Sh (Project Manager)

REV: 2011-05-18 / FORM 010-c




## Legend

- Project Study Area
- Road
- Railway
- Watercourse
- Waterbody
- Unevaluated Wetland
- Provincially Significant Wetland
- ANSI, Earth Science
- ANSI, Life Science
- Property Boundaries
- Wooded Area




## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
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Stantec

August 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

1

Title

**Field Map - Waterfowl & Raptor Migration**

W:\active\60960595\drawing\GIS\MXD\NHA\60960595_FieldMap_WaterfowlRaptorMigration_20110822.mxd
Revised on: 2011-08-22 By: pworsell

**Stantec Consulting Ltd.**
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: Nov. 24/11
Field Personnel: J. Heslop & Z. Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | -1 - 5°C | 2-3 | 30-100% | none | none |

Start Time: 8:55am
End Time: 1:00pm
Total KM Driven: 72 km

| | Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|---|
| before ferry 80 | 1 | 8:10 | COGO | 6 | - bay | - feeding |
| 81 | 2 | 8:53 | CAGO | 20 | - agricultural field | - feeding |
| 39 | 3 | 8:57 | COGO<br>MALL<br>RBME | 30<br>2<br>1 | - bay | - feeding |
| 82 | 4 | 9:02 | CAGO | 100 | - agricultural field | - feeding |
| 6 | 5 | 9:06 | COGO<br>BUFF<br>CAGO<br>TUSW | 12<br>15<br>1<br>2 | - near shore (50-100m) | - feeding |
| 45 | 6 | 9:25 | RBME | 4 | - close to shore | - feeding |
| 83 | 7 | 9:54 | MALL | 20 | - close to shore | - " |
| 2 | 8 | 9:58 | MALL | 6 | - shoreline | - feeding |
| 27 | 9 | 10:04 | BUFF | 2 | - near shore (75m from shore) | - feeding |
| 49 | 10 | 10:11 | GASC<br>BUFF<br>SNGO<br>CAGO | 15<br>2<br>1<br>250 | - bay | - feeding |

Quality Control: This form is complete ☑ & legible ☑.

Signature: _____ (Field Personnel)

Signature: Kathrin Shum (Project Manager)



REV: 2011-05-18 / FORM 010-c

**Stantec Consulting Ltd.**
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: Nov. 24/11

Field Personnel: J. Heslop; Z. Labrum-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | -1 - 5°C | 2-3 | 30-100% | — | — |

Start Time: 8:55 am – 1:00pm

End Time:

Total KM Driven:

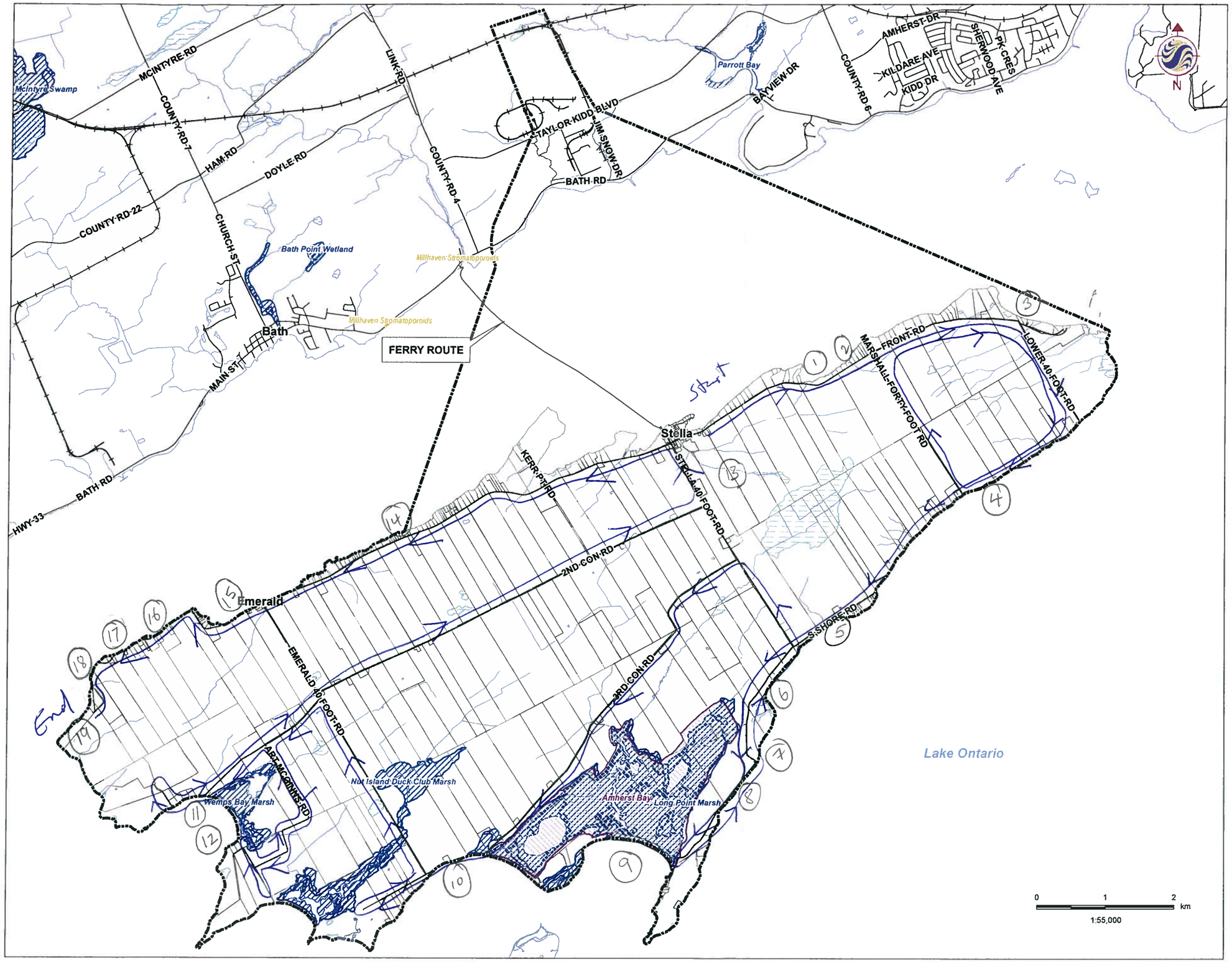
| | Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|---|
| 84 | 11 | 10:27 | MALL | 6 | - flying over field | - flying S @ 150m |
| 17 | 12 | 10:50 | COGO<br>RBME<br>BUFF | 28<br>2<br>1 | - near shore | - feeding |
| 85 | 13 | 11:00 | MALL | 17 | - flying over field | - flying NW @ 150m |
| 33 | 14 | 11:27 | BUFF<br>RBME | 30<br>6 | - near shore | - feeding |
| 86 | 15 | 12:01 | MALL<br>HOME | 6<br>2 | - flying over marsh<br>- marsh | - flying E @ 120m<br>- feeding |
| 31 | 16 | 12:04 | BUFF<br>COGO | 25<br>12 | - near shore<br>- " | - feeding |
| 87 | 17 | 12:36 | CAGO | 22 | - over field | - flying W @ 50m |
| 15 | 18 | 12:38 | CAGO<br>COGO<br>BUFF<br>RBME | 425<br>20<br>8<br>3 | - in bay | - feeding |
| | | | COME<br>MALL<br>SNGO | 1<br>1<br>1 | | |
| 88 | 19 | 12:57 | RBME<br>BUFF<br>MALL | 12<br>3<br>12 | - near shore<br>" | - feeding<br>" |

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

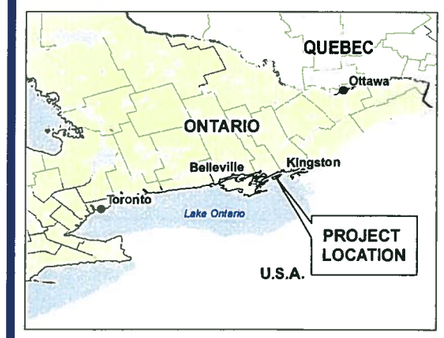
Signature: Kathrin Sh (Project Manager)

REV: 2011-05-18 / FORM 010-c




## Legend

- Project Study Area
- Road
- Railway
- Watercourse
- Waterbody
- Unevaluated Wetland
- Provincially Significant Wetland
- ANSI, Earth Science
- ANSI, Life Science
- Property Boundaries
- Wooded Area




## Notes

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August 2011
160960595

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WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

1

Title

**Field Map - Waterfowl & Raptor Migration**

W:\active\60960595\drawing\GIS\MXD\NHA\60960595_FieldMap_WaterfowlRaptorMigration_20110822.mxd
Revised on: 2011-08-22 By: pworsell

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Canada N1G 4P5
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Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Arkerst

Date: Dec. 1 / 11

Field Personnel: B. Holden + Z. Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 6°C | 1-2 | 60% | none | rain / snow |

Start Time: 11:59

End Time: 4:40 pm

20 06 Total KM Driven: 86 km

| | Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|---|
| 39 | 1 | 12:12 | MALL<br>RBME | 2<br>10 | - in bay | - feeding |
| 89 | 2 | 12:15 | COGO | 40 | - near shore | - feeding |
| 63 | 3 | 12:29 | TUSW | 3 | - near shore | - resting |
| 90 | 4 | 1:10 | RBME | 3 | - near shore | - feeding |
| 18 | 5 | 1:17 | MALL<br>COGO<br>BUFF<br>CAGO | 1<br>30<br>1<br>20 | - near shore | - feeding |
| 91 | 6 | 1:22 | CAGO | 150 | - near shore | - feeding |
| 48 | 7 | 1:27 | RBME | 100 | - near shore | - flushed by boat |
| 27 | 8 | 1:29 | BUFF<br>CAGO<br>COGO | 20<br>80<br>25 | - near shore<br>- shoreline<br>- near shore | - feeding |
| 10 | 9 | 1:39 | CAGO<br>GRSC | 550<br>100 | - in bay + on shore | - feeding |
| 17 | 10 | 2:20 | COGO | 15 | - near shore | - feeding |

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: Kathleen Shu (Project Manager)

REV: 2011-05-18 / FORM 010-c

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Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595
Project Name: Amherst
Date: Dec. 1/11
Field Personnel: B. Holden + Z. Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 6°C | 1-2 | 60% | — | rain/snow |

Start Time: 11:59
End Time: 4:40 pm
Total KM Driven: 86 km

| | Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|---|
| 33 | 11 | 3:12 | COGO | 25 | - in bay | - feeding |
| 32 | 12 | 3:15 | CAGO<br>BUFF | 12<br>30 | - in bay | - feeding |
| 92 | 13 | 4:01 | CAGO | 27 | - flying SE across field | - flying SE @ 40m |
| 93 | 14 | 4:07 | COGO | 40 | - near shore | - feeding |
| 76 | 15 | 4:15 | COGO<br>RBME | 7<br>1 | - near shore | - feeding |
| 88 | 16 | 4:18 | COGO<br>RBME<br>HALL | 7<br>2<br>4 | - near shore | - feeding |
| 78 | 17 | 4:21 | BUFF | 4 | - near shore | - feeding |
| 28 | 18 | 4:23 | BUFF<br>COGO<br>HALL | 5<br>25<br>18 | - near shore | - feeding |
| | | | RBME | 1 | | |
| 54 | 19 | 4:28 | CAGO | 700 | - agricultural field | - feeding |
| | | | | | | |

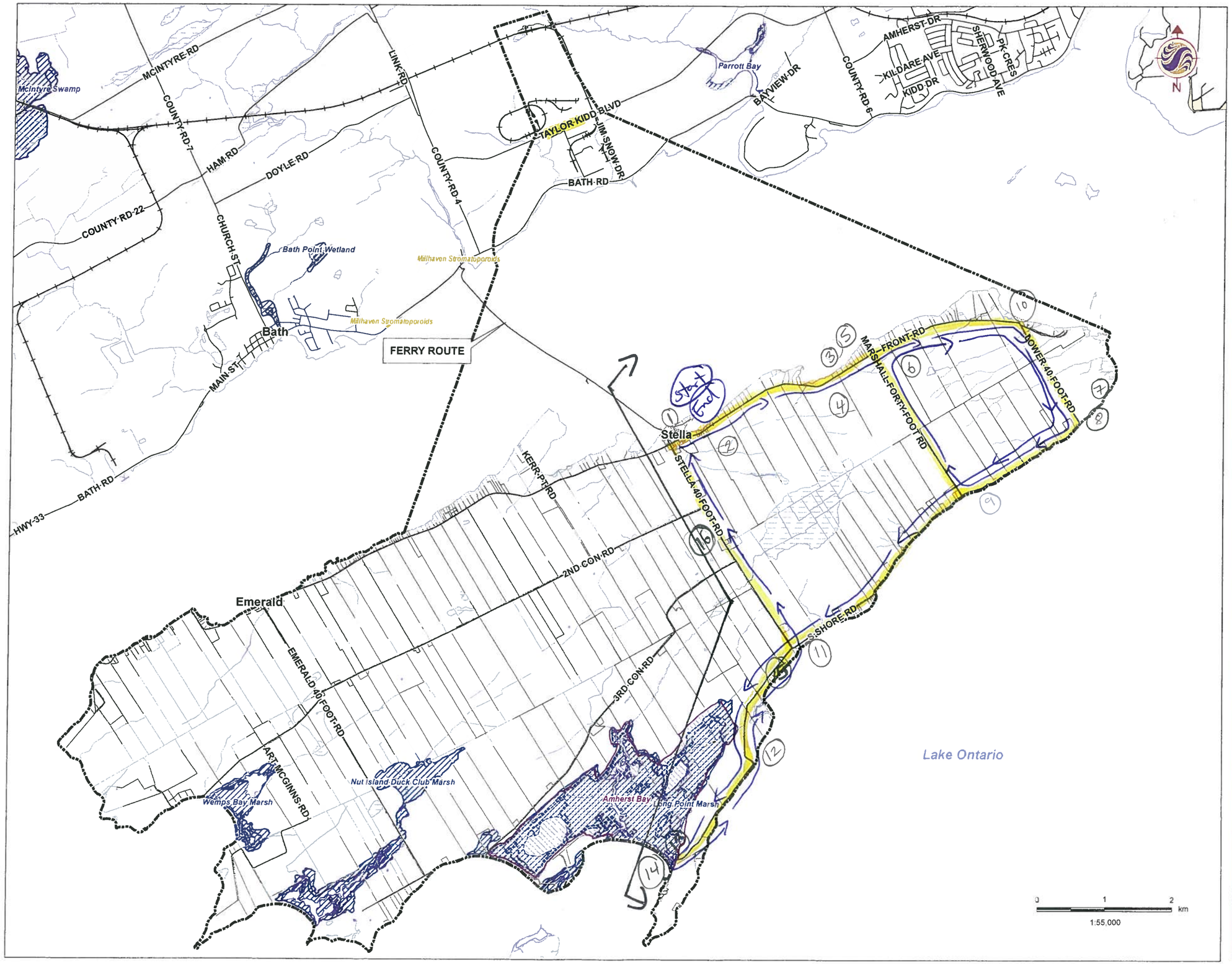
Quality Control: This form is complete ☑ & legible ☑

Signature: (Field Personnel)

Signature: Kathine Stm (Project Manager)

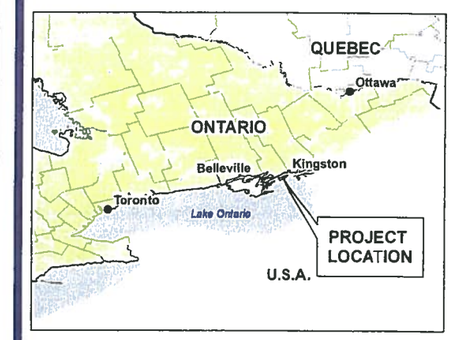
REV: 2011-05-18 / FORM 010-c

EAST - MAINLAND




## Legend

- Project Study Area
- Road
- Railway
- Watercourse
- Waterbody
- Unevaluated Wetland
- Provincially Significant Wetland
- ANSI, Earth Science
- ANSI, Life Science
- Property Boundaries
- Wooded Area




## Notes

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August 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

1

Title

**Field Map - [redacted] Waterfowl, [redacted]**

W:\active\60960595\drawing\GIS\MXD\NHA\60960595_FieldMap_WaterfowlRaptorMigration_20110822.mxd
Revised on: 2011-08-22 By: oworsell

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1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: Dec. 7/11

Field Personnel: J. Mansell + Z. Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 1°C | 1-2 | 100% | none | none |

52009-52043

Start Time: 9:50

End Time: 12:20

Total KM Driven: 34 km

| | Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|---|
| 94 | 1 | 9:50 | COGO | 30 | bay | - feeding |
| 81 | 2 | 9:57 | CAGO | 125 | pasture | - feeding/resting |
| 95 | 3 | 10:03 | RBME | 12 | near shore (80m from shore) | - feeding |
| 96 | 4 | 10:07 | CAGO | 16 | pasture | - flying SW @ 20m |
| 89 | 5 | 10:10 | MALL<br>COGO | 12<br>5 | near shore (50m offshore)<br>" | - feeding<br>- flying SW @ 10m |
| 97 | 6 | 10:14 | CAGO | 75 | - pasture | - feeding |
| 98 | 7 | 10:37 | CAGO | 25 | pasture | - feeding |
| 99 | 8 | 10:41 | HOGR<br>BUFF<br>RBME<br>COME | 3<br>2<br>1<br>3 | shoreline<br>shoreline | feeding<br>-flying NE @ 25m |
| 90 | 9 | 10:51 | HOGR | 5 | 40m offshore | - feeding |
| 6 | 10 | 11:16 | COGO | 6 | - near shore (bay) | - feeding |

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: Kathrin Sh (Project Manager)

REV: 2011-05-18 / FORM 010-c

***Other Bird Species***

Please record any flock behavior (i.e. gulls, crows, blackbirds), raptors or any significant species.

| Species (time) | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|
| 11 COGO (11:30) | 14 | shoreline | -feeding, then flew SW @ 5. |
| 12 BUFF (11:41) | 25 | bay | -feeding |
| 13 CAGO BUFF MALL (11:49) | 20 4 1 | marsh | -feeding |
| 14 CAGO Scaup (11:55) | 25 100 | bay | -feeding/resting |
| 15 CAGO (12:05) | 8 | shore/pasture | -feeding |
| 16 CAGO (12:12) | 16 | -above agricultural field | -flying, circling @ 50m |
| | | | |
| | | | |
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| | | | |

Pg. 2 of 2

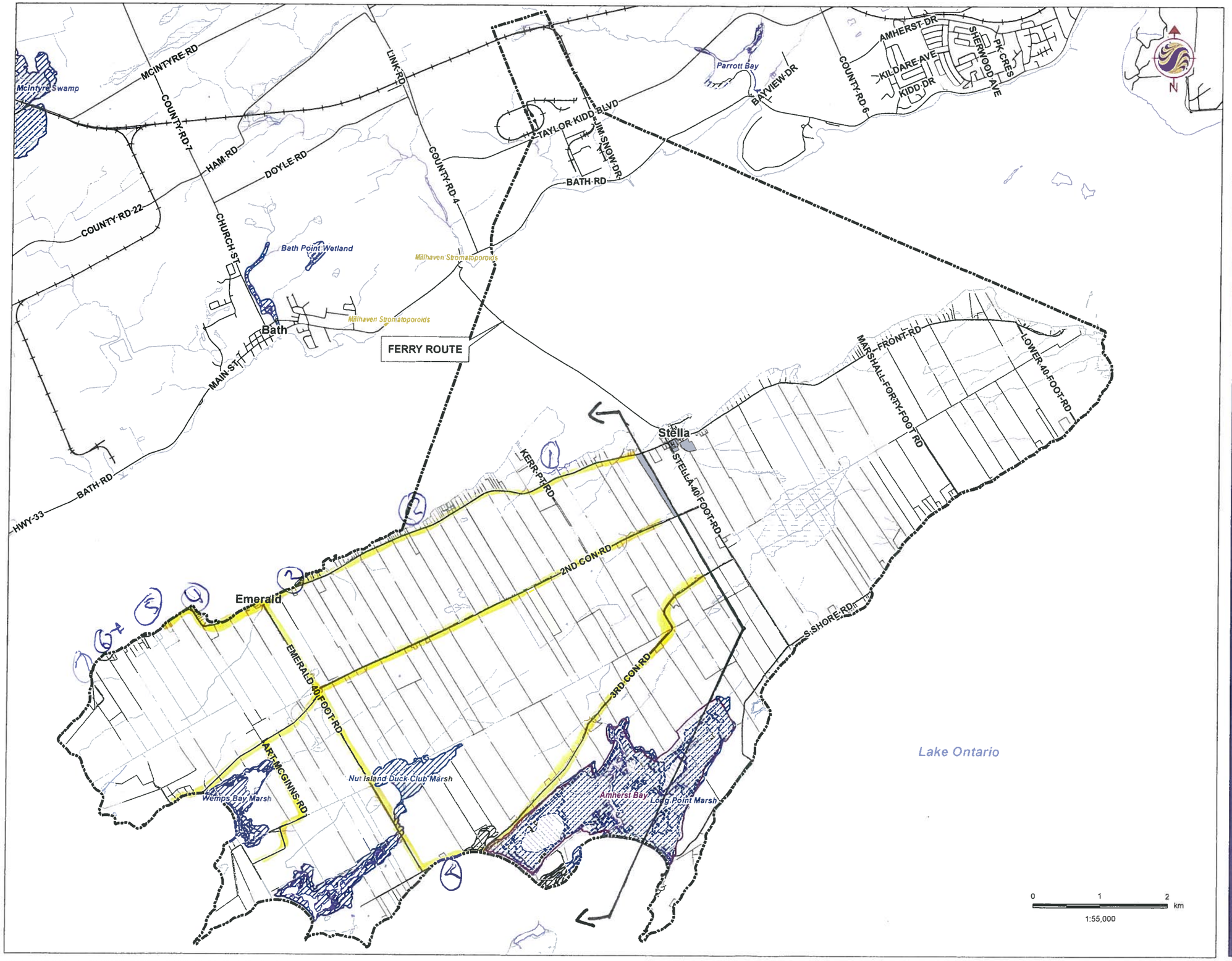
Quality Control: This form is complete ☐ & legible ☐.

**Signature:** _____ (Field Personnel)

**Signature:** _____ (Project Manager)

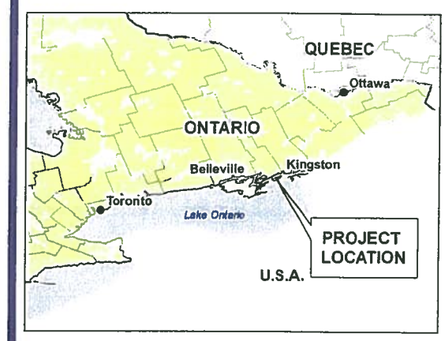
REV: 2011-05-18 / FORM 010-c

WEST




## Legend

- Project Study Area
- Road
- Railway
- Watercourse
- Waterbody
- Unevaluated Wetland
- Provincially Significant Wetland
- ANSI, Earth Science
- ANSI, Life Science
- Property Boundaries
- Wooded Area




## Notes

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August 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

1

Title

**Field Map - Waterfowl/[redacted]**

W:\active\60960595\drawing\GIS\MXD\NHA\60960595_FieldMap_WaterfowlRaptorMigration_20110822.mxd
Revised on: 2011-08-22 By: pworsell

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst island

Date: Dec. 7, 2011

Field Personnel: C. Payette, B. Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 0°C | 1 | 100 | None | light drizzle |

Start Time: 950

End Time:

Total KM Driven: 030 -

| | Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|---|
| 12 | 1 | 9:50 | MALL | 10 | In Bay / | |
| 12 | 1 | 9:51 | BUFF - 1<br>COGO - 15 | | / feeding | - H-X |
| 93 | 2 | 1012 | COGO | 140 | feeding near | shore |
| 20 | 3 | 1018 | " | 50 | " | islands |
| 102 | 4 | 1026 | COGO-30<br>MALL-4 | 7 | feeding near shore | - X |
| 88 | 5 | 1029 | COGO | 17 | " | |
| 78 | 6 | 1036 | MALL-8<br>RBME-5 | - swimming<br>- flew ↓ | | - X |
| 28 | 7 | 1042 | COGO-150<br>MALL-45<br>BUFF-2 | RBME-5 | 7 feeding near | shore |
| 17 | 8 | 1200 | COGO-70<br>BUFF-25 | RBME 5 | 7 " | |
| | | | | | | |

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-18 / FORM 010-c

WEST

McIntyre Swamp
MCINTYRE RD
COUNTY RD 7
HAM RD
DOYLE RD
COUNTY RD 22
CHURCH ST
LINK RD
COUNTY RD 4
TAYLOR KIDD BLVD
JIM SNOW DR
BATH RD
Parrott Bay
BAYVIEW DR
COUNTY RD 6
AMHERST DR
KILDARE AVE
KIDD DR
SHERWOOD AVE
PK CRES
Bath Point Wetland
Millhaven Stromatoporoids
Millhaven Stromatoporoids
Bath
MAIN ST
FERRY ROUTE
START
Stella
MARSHALL FORTY FOOT RD
LOWER FORTY FOOT RD
KERR ST RD
STELLA 40 FOOT RD
HWY 33
BATH RD
2ND CON RD
Emerald
S SHORE RD
3RD CON RD
EMERALD 40 FOOT RD
ARTHUR GINNIS RD
END
Nut Island Duck Club Marsh
Wemps Bay Marsh
Amherst Bay
Long Point Marsh
Lake Ontario

0 1 2 km
1:55,000

## Legend

- Project Study Area
- Road
- Railway
- Watercourse
- Waterbody
- Unevaluated Wetland
- Provincially Significant Wetland
- ANSI, Earth Science
- ANSI, Life Science
- Property Boundaries
- Wooded Area

QUEBEC
Ottawa
ONTARIO
Belleville
Kingston
Toronto
Lake Ontario
U.S.A.
PROJECT LOCATION

## Notes

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August 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

1

Title

**Field Map - Waterfowl, [redacted]**

W:\active\60960595\drawing\GIS\MXD\NHA\60960595_FieldMap_WaterfowlRaptorMigration_20110822.mxd
Revised on: 2011-08-22 By: ewesell

**Stantec Consulting Ltd.**
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595 Project Name: Amherst

Date: Dec 16, 2011 Field Personnel: B. Holden, J. Mansell

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 3°C | 4-5 W | 70-90% | | RAIN |

Start Time: 1120 End Time: 1435

Total KM Driven: 2558 to 2633 = 75 Km

| | Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|---|
| 5<br>5 | A | 1125 | COGO-70<br>MALL-20 | CAGO-50 | feeding near shore | |
| 72<br>72 | B | 1145 | CAGO-150<br>MALL-10 | COGO-30<br>LTDU-5 | RBME-10<br>BUFF-1 | feeding / resting in bay |
| 103 | C | 1152 | MALL-10 | — | feeding in bay | |
| 39<br>39 | D | 1155 | CAGO-50<br>MALL-20 | GADW-5<br>COGO-50 | BUFF-10 | feeding / resting in bay |
| 104 | E | 1201 | CAGO-250 | - | feeding in pasture | |
| 105<br>105<br>105 | F | 1202 | TUSW-15<br>CAGO-15<br>MALL-10 | - | feeding / resting in bay | |
| X | D | 1210 | SNOW | 2 | - KFN pasture | |
| 106 | G | 1241 | BUFF-15 | - | feeding on shore | |
| 5 | H | 1246 | MALL-7 | - | feeding in pasture | |
| 49<br>63 | I | 1300 | GRSC-600<br>CAGO-500 | MALL-30<br>ABDU-50 | feeding / resting near and on shoreline of bay | |

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: (Project Manager)

REV: 2011-05-18 / FORM 010-c

***Other Bird Species***

Please record any flock behavior (i.e. gulls, crows, blackbirds), raptors or any significant species.

| | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|
| 7J | BUFF | 20 | feeding offshore | |
| K | ~~COGO~~ COGO<br>BUFF | 100<br>40 | feeding offshore<br>RBME - 30 | |
| 3<br>3L | BUFF<br>COGO | 20<br>20 | RBME - 3 } feeding offshore | |
| 37<br>37M<br>07 | BUFF -<br>COGO -<br>RBME - | 15<br>35<br>2 | } feeding offshore | |
| 7N<br>7 | COGO - 30<br>RBME - 35 | | } feeding offshore | |
| 8<br>O | CAGO - | 80 | } feeding in Pastures | |
| 5<br>5<br>8 (P) | CAGO -<br>MALC -<br>ABDU - | 110<br>35<br>25 | } resting nearshore | |
| | | | | |
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| | | | | |

Quality Control: This form is complete ☐ & legible ☐.

**Signature:** _____ (Field Personnel)

**Signature:** _____ (Project Manager)

REV: 2011-05-18 / FORM 010-c

EAST - MAINLAND

McIntyre Swamp
MCINTYRE RD
COUNTY RD 7
HAM RD
DOYLE RD
COUNTY RD 22
CHURCH ST
Bath Point Wetland
Bath
MAIN ST
BATH RD
HWY 33
LINK RD
COUNTY RD 4
Millhaven Stromatoporoids
Millhaven Stromatoporoids
FERRY ROUTE
TAYLOR KIDD BLVD
JIM SNOW DR
BATH RD
Parrott Bay
BAYVIEW DR
COUNTY RD 6
AMHERST DR
KILDARE AVE
KIDD DR
STERNWOOD AVE
PK CRES
Stella
KERR PT RD
STELLA 40 FOOT RD
MARSHALL FORTY FOOT RD
FRONT RD
LOWER 40 FOOT RD
2ND CON RD
3RD CON RD
S SHORE RD
Emerald
EMERALD 40 FOOT RD
ART MCGINNS RD
Wemps Bay Marsh
Nut Island Duck Club Marsh
Amherst Bay
Long Point Marsh
Lake Ontario
(4 BUFF)
(4 MAL +1 BUFF)
N

0 1 2 km
1:55,000

## Legend

- Project Study Area
- Road
- Railway
- Watercourse
- Waterbody
- Unevaluated Wetland
- Provincially Significant Wetland
- ANSI, Earth Science
- ANSI, Life Science
- Property Boundaries
- Wooded Area

QUEBEC
Ottawa
ONTARIO
Belleville
Kingston
Toronto
Lake Ontario
U.S.A.
PROJECT LOCATION

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
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August 2011
160960595

Client/Project
WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.
1

Title
Field Map - [redacted] Waterfowl, [redacted]

W:\active\60960595\drawing\GIS\MXD\NHA\60960595_FieldMap_Waterfowl\RaptorMigration_20110822.mxd
Revised on: 2011-08-22 By: pworsell

**Stantec Consulting Ltd.**
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 1609 60595
Project Name: Amherst
Date: Dec 21, 2011
Field Personnel: C. Payette, Z. Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 4°C | 3 | 100 | light rain | rain |

Start Time: 10:04 (12:05)
End Time: 12:50
Total KM Driven: 529-563 = 34 km

| | Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|---|
| 39 | 1 | 10:15 | COGO | 60 | Shoreline | Feeding |
| 39 | 1 | " | MALL | 8 | " | " |
| 41 | 2 | 10:27 | CAGO | 250 | Pasture/Field | Feeding |
| 6 | 3 | 10:34 | BUFF | 4 | Shoreline | Feeding |
| 06 | 4 | 11:28 | BUFF | 5 | Shoreline | Feeding |
| 109 | 4 | 11:32 | MALL | 4 | Shoreline | Feeding |
| 110 | 5 | 11:37 | BUFF | 15 | Field near Shoreline | Flew from Shoreline N over pasture. 20m |
| 49 | 6 | 11:58 | UNSC | 200 | Shoreline/Bay | Feeding in Bay |
| 00 | 7 | 12:03 | MALL | 4 | long point marsh | Feeding. |
| | | | | | | |

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.
Signature: (Project Manager)

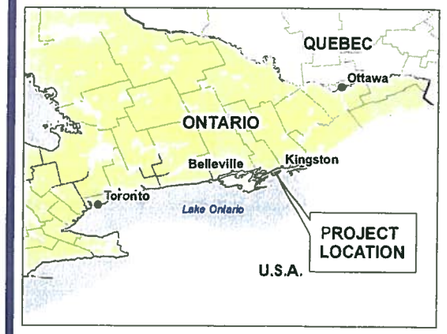
REV: 2011-05-18 / FORM 010-c

WEST

McIntyre Swamp
MCINTYRE RD
COUNTY RD 7
HAM RD
DOYLE RD
COUNTY RD 22
CHURCH ST
LINK RD
COUNTY RD 4
TAYLOR KIDD BLVD
JIM SNOW DR
BATH RD
Parrott Bay
BAYVIEW DR
COUNTY RD 6
AMHERST DR
KILDARE AVE
KIDD DR
SHERWOOD AVE
PK CRES
Bath Point Wetland
Millhaven Stromatoporoids
Millhaven Stromatoporoids
Bath
MAIN ST
FERRY ROUTE
HWY 33
BATH RD
Stella
KERR PT RD
STELLA 40 FOOT RD
MARSHALL FORTY FOOT RD
FRONT RD
LOWER 40 FOOT RD
2ND CON RD
3RD CON RD
S SHORE RD
Emerald
EMERALD 40 FOOT RD
ARTHUR GINNS RD
Wemps Bay Marsh
Nut Island Duck Club Marsh
Amherst Bay
Long Point Marsh
Lake Ontario
N
0 1 2 km
1:55,000

## Legend

- Project Study Area
- Road
- Railway
- Watercourse
- Waterbody
- Unevaluated Wetland
- Provincially Significant Wetland
- ANSI, Earth Science
- ANSI, Life Science
- Property Boundaries
- Wooded Area




## Notes

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August 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

1

Title

**Field Map - Waterfowl, [redacted]**

[redacted]

W:\active\60960595\drawing\GIS\MXD\NHA\60960595_FieldMap_WaterfowlRaptorMigration_20110822.mxd
Revised on: 2011-08-22 By: pworsell

**Stantec Consulting Ltd.**
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595
Project Name: Amherst
Date: Dec 7/2011
Field Personnel: B. Holden, N. Chalton

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 4-5°C | 2 | 100 | RAIN | RAIN |

Start Time: 1100
End Time: 1400
Total KM Driven: 30 km

| | Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|---|
| 72 | A | 1008 | TUSW-15 | – | on shore | feeding – X |
| 20 | B | 1025 | RBME-4, BUFF-0, TUSW-6, COGO-150 | HAME-2, MALL-10 | All feeding / resting near shore | |
| 76 | C | 1040 | COGO-100, HADU-1-4 | | feeding 50 m offshore | |
| 11 | D | 1230 | CAGO-250 | | feeding on winter wheat – X | |
| 111 | E | 1233 | CAGO-175 | | feeding in corn stubble – X | |
| 112 | F | 1310 | COGO-100, BUFF-10 | | feeding near shore – X | |
| 33 | G | 1324 | BUFF-30, ABDU-10 | | feeding 35 m offshore – X | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

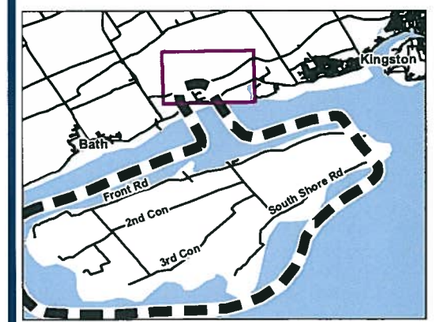
Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.
Signature: (Project Manager)

REV: 2011-05-18 / FORM 010-c

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property




## Notes

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March 2011
160960595

Client/Project
Client
Title
Project

Figure No.
Tile 1

Title
**FIELD MAPBOOK**

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Revised on: 01-DD-2011 By: username

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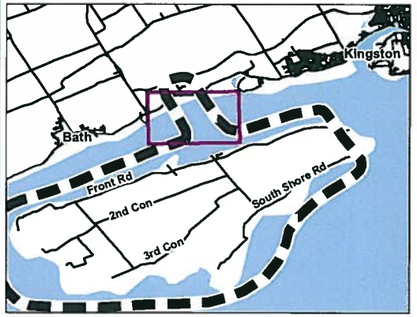
Revised on: 01-DD-2011 By: username

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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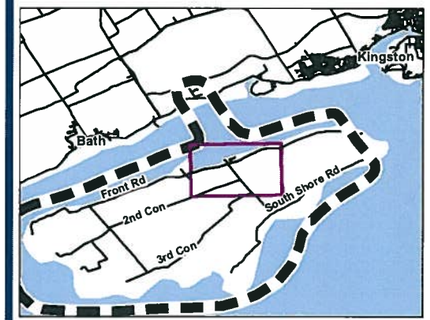
Client
Title
Project

Figure No.
Tile 2

Title
**FIELD MAPBOOK**

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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Title
Project

Figure No.
Tile 3

Title
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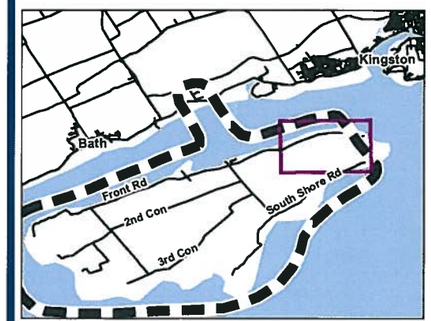
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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Title
Project

Figure No.
Tile 4

Title
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## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

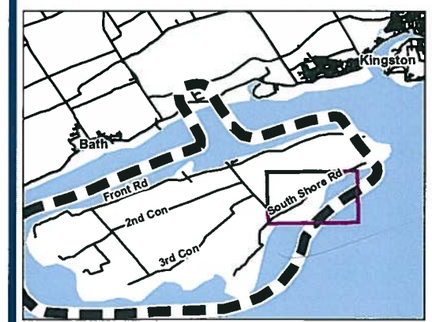


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Figure No.
Tile 5

Title
**FIELD MAPBOOK**

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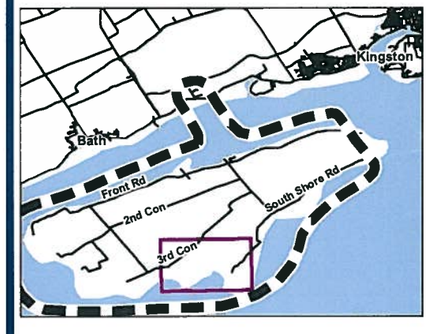
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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Client
Title
Project

Figure No.
Tile 7

Title
**FIELD MAPBOOK**

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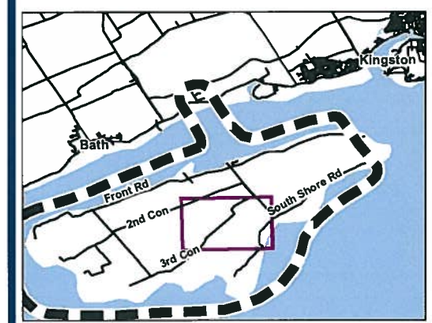
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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Client
Title
Project

Figure No.
Tile 6

Title
**FIELD MAPBOOK**

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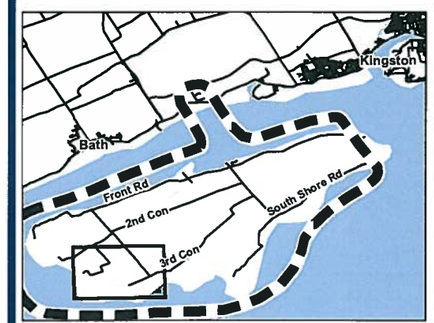
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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Title
Project

Figure No.
Tile 9

Title
**FIELD MAPBOOK**

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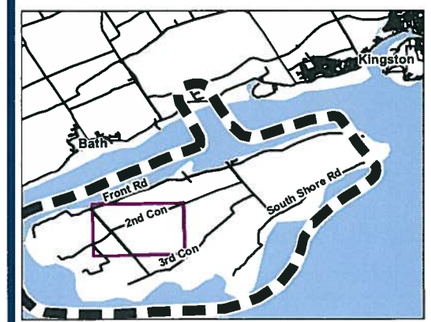
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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Title
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Tile 8

Title
**FIELD MAPBOOK**

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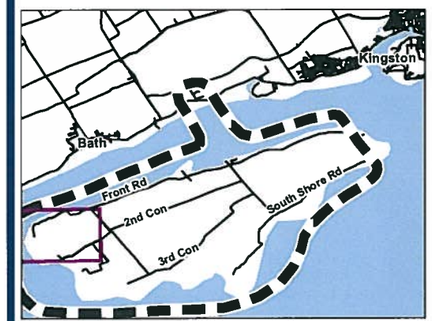
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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Client
Title
Project

Figure No.
Tile 10

Title
**FIELD MAPBOOK**

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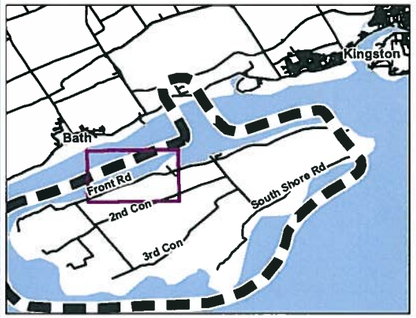
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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Client/Project
Client
Title
Project

Figure No.
Tile 11

Title
**FIELD MAPBOOK**

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Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595 Project Name: Amherst

Date / Time: March 24, 2011 12:00-15:20 Field Personnel: A. Taylor N. Kopysh.

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 3°C | 1 | 90% | — | — |

| Flock No. & Time | Species | # of Individuals | Location | Behaviour |
|---|---|---|---|---|
| | | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* |
| 18 (1) 12:15 | COGO | x 55 | - 50-70m offshore | |
| | BUFF | x 10 | | |
| | AMBL (ABDU) | x 4 | | |
| | CAGO | x 2 | | |
| 17 (2) 12:26 | MALL | x 4 | - 20-50m offshore | |
| | CAGO | x 25 | | |
| | COGO | x 40 | | |
| 16 (3) 12:46 | COGO | x 35 | - 20-30m offshore. | |
| | CAGO | x 6 + 4 + 6 | | |
| | BUFF | x 3 | | |
| | MALL | x 2 | | |
| 16 (4) 12:49 | CAGO | x 2 | - 30m offshore | |
| | COGO | x 15 | | |
| 12 (5) 12:58 | CAGO | x 4 | - foraging in pasture | |
| 11 (6) 13:04 | CAGO | x 5 | - foraging in pasture. | |
| 4 (7) 13:34 | CAGO | x 47 + 21 | - foraging in pasture | |
| 13 (8) 13:34 | COGO | x 80 | - ~ 15-20m offshore. | |
| | BUFF | x 10 | | |
| | USCA | x 30 | | |

Quality Control: This form is complete (✓) & legible (✓).

Signature: [illegible] (Field Personnel) Signature: [illegible] (Project Manager)

 REV: May, 07 Form 010

**Other Bird Species**
Please record any flock behaviour (ie gulls, crows, blackbirds), raptors or any significant species.

| Species | # of Individuals | Location | Behaviour |
|---|---|---|---|
| | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* |
| (A) Herony | 12 nests observed | -no herons observed occupying nests | |

Quality Control: This form is complete (__) & legible (__).
Signature: _____ (Field Personnel) Signature: _____ (Project Manager)

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595 Project Name: Amherst

Date / Time: March 24, 2011 Field Personnel: ART / KCA

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | See page #1 | | | | |

| Flock No. & Time | Species | # of Individuals | Location | Behaviour |
|---|---|---|---|---|
| | | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* |
| 13 (9) 13:37 | COGO | x25 | ~ ~40m offshore. | |
| 14 (10) 13:38 | CAGO | x16 + 25 | - foraging in pasture | |
| 15 (11) 13:41 | COGO | x180 | - ~ 50-100m offshore | |
| | USCA | x130 | | |
| 10 (12) 13:43 | COGO | x80 | ~30-40m offshore | |
| 9 (13) 13:50 | COGO | x30 | ~20-50m offshore | |
| | USCA | x40 | | |
| 5 (14) 13:53 | COGO | x170 | | |
| | BUFF | x60 | ~60-100m offshore | |
| | COGO | ~~x179~~ | | |
| | BUFF | ~~x40~~ | | |
| | MALL | x4 | | |
| 6 (15) 13:57 | COGO | x70 | | |
| | BUFF | x5 | 40-80m offshore | |
| | MALL | x4 | | |

Quality Control: This form is complete (✓) & legible (✓).

Signature: [illegible] (Field Personnel) Signature: Kathrin [illegible] (Project Manager)

 REV: May, 07 Form 010

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595 Project Name: Amherst

Date / Time: March 24, 2011 Field Personnel: ART / NCK

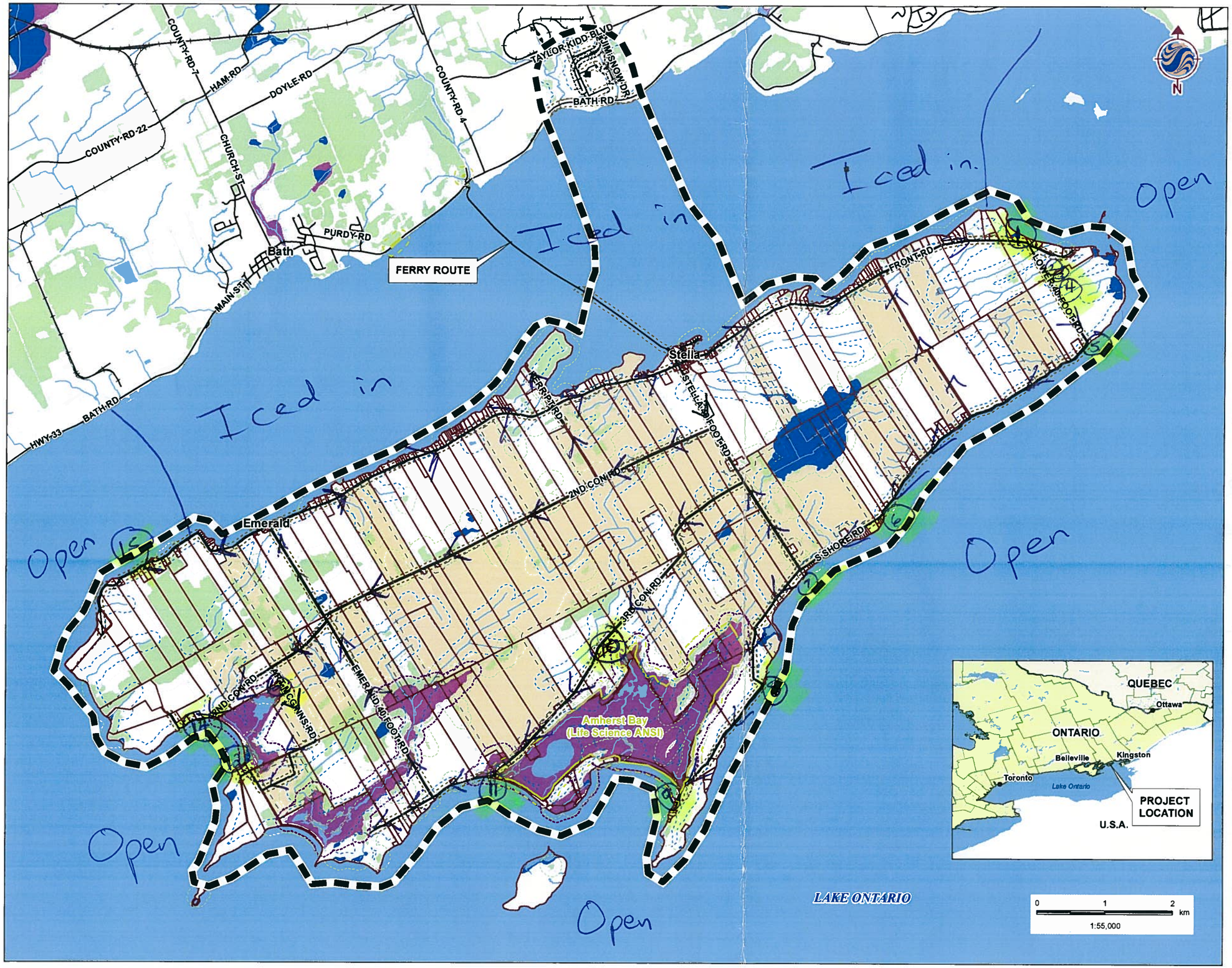
| Weather Conditions: | Temp: See | Wind: page | Cloud: #1 | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|

| Flock No. & Time | Species | # of Individuals | Location | Behaviour |
|---|---|---|---|---|
| | | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* |
| 7 (16) 14:02 | COGO<br>BUFF | x20<br>x5 | - foraging | 50-100m offshore |
| 8 (17) 14:05 | COGO<br>BUFF | x30+50<br>x10 | - foraging | 20m offshore |
| 19 (18) 14:09 | COGO<br>LTDU | x45<br>x1 | foraging | 30-40m offshore |
| 2 (19) 14:14 | COGO | x15 | - foraging | 20m offshore |
| 3 (20) 14:14 | CAGO | x6 | - foraging | in pasture |
| 1 (21) 15:08 | COGO | x4 | - resting | |

Quality Control: This form is complete (✓) & legible (✓).

Signature: (Field Personnel) Signature: (Project Manager)

 REV: May, 07 Form 010




## Legend

- Study Area
- Feederline
- Substation
- Road
- Railway
- Watercourse
- Property Boundaries
- Optioned Property
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

**Project Setbacks (0-Reg-359/09)**

- Property Line Setback (80m)
- Road Setback (55m)
- Railway Setback (55m)
- Wooded Area Setback (120m)
- Provincially Significant ANSI (Life Science) Setback (120m)
- PSW Setback (120m)

## Notes

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March 2011
160960595

Client/Project
Client
Title
Project

Figure No.
DRAFT

Title
**STUDY AREA**
~~[illegible]~~ Amherst Island

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Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date / Time: March 29th 2011 9:00 - 12:30, km = 85

Field Personnel: Don Graham & Carla Karpiyanko

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | -1 to 4C | 2 | 70% | None | None |

| Flock No. & Time | Species | # of Individuals | Location | Behaviour |
|---|---|---|---|---|
| | | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* |
| Dock landing area - largely iced in 90% ice cover within 120m of shoreline. Waterfowl none. | | | | |
| North shore - iced in 10%. Waterfowl none | | | | |
| 2 1(9:15) | MALL | 2 | Small pond by lake. | 0 Feeding, courting |
| | PINT | 2 | | |
| | BUFF | 6 | | |
| | RBME | 1 | | 1 Flying low over Lake Ontario |
| 20 2(9:20) | CAGO | 10 | Agr. field. | 80 m Flying north |
| 20 3(9:20) | CAGO | 12 | " | 0 m Feeding/resting |
| 20 4(9:30) | CAGO | 6 | Agr. field | 5 m Flying south |
| 19 5(9:30) | COGO | ~~40~~ 30+10 | Lake Ontario | 0 m Resting then flew off |
| | RBME | 5+2 | | |
| | LTDU | 4+15 | | |
| | ~~BUFF~~ | ~~7+6~~ | | |
| | ~~RBME~~ | ~~2~~ | | |
| 6 6(9:45) | COGO | 170+45+15+30 | Lake Ontario | 0 m Resting |
| | BUFF | 25+5+15 | | |
| | RBME | 2+5 | | |
| | LTDU | 100 | | |
| | ~~LEGR~~ SC | 10 | | |
| | MALL | ~~24~~ 5+2 | | |
| | COGO | 6+2+2 | | |

Quality Control: This form is complete ( ) & legible ( ).

Signature: Don Graham (Field Personnel)

Signature: Kathryn [illegible] (Project Manager)

Page _____ of _____

REV: May, 07 Form 010

**Other Bird Species**
Please record any flock behaviour (ie gulls, crows, blackbirds), raptors or any significant species.

| Species | # of Individuals | Location | Behaviour |
|---|---|---|---|
| | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* |
| N. Harrier | common | | |
| R. L. Hawk. | abundant | | |
| E. Meadowlark. | a few | | |
| RTHA | a few | | |
| Merlin | 1 | | |
| RN Pheasant | 1 | | |

Quality Control: This form is complete ( ✓ ) & legible (✓).
Signature: Don Graham (Field Personnel)
Signature: Kathrin [illegible] (Project Manager)

Stantec Consulting Ltd.
70 Southgate Drive
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N1G 4P5
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Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date / Time: Mar 29th 2011 9:00 - 12:30 km = 85

Field Personnel: Don Graham & Corka Korpijaakko

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | -1 to 4 C | 2 | 70% | None | None |

| | Flock No. & Time | Species | # of Individuals | Location | Behaviour |
|---|---|---|---|---|---|
| | | | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* |
| 21 | 7 (10:25) | COGO<br>BUFF<br>CAGO | 50+30<br>5<br>2+6 | Lake Ontario | On Feeding & resting |
| 15 | 8 (10:30) | COGO<br>BUFF<br>RBME | 150+50<br>5<br>2 | | |
| 9 | 9 (10:35) | Redhead (REDH)<br>LE GRSC | 200<br>5 | L. Ontario | On Feeding & resting |
| 12 | 10 (10:50) | CAGO | 12 | Lawn. | On Resting |
| 22 | 11 (11:00) | RBME<br>BUFF<br>MUSW<br>CAGO<br>COME<br>COGO<br>MALL | 2<br>10+10<br>2<br>2+6<br>40<br>80+80<br>6 | L. Ontario | On Resting & Feeding |
| 23 | 12 (11:25) | BUFF | 6 | L. Ontario | On Resting & feeding |
| 24 | 13 (11:35) | CAGO<br>AMWI<br>GADW | 20<br>5<br>5 | Shallow marsh | On Resting & feeding |
| 17 | 14 (11:39) | LE GRSC<br>COGO<br>BUFF<br>RBME | 30<br>30+50<br>30+5<br>2 | L. Ontario | " |

Quality Control: This form is complete ( ) & legible (✓).

Signature: Don Graham (Field Personnel)

Signature: Kathrin Su (Project Manager)

Page _____ of _____

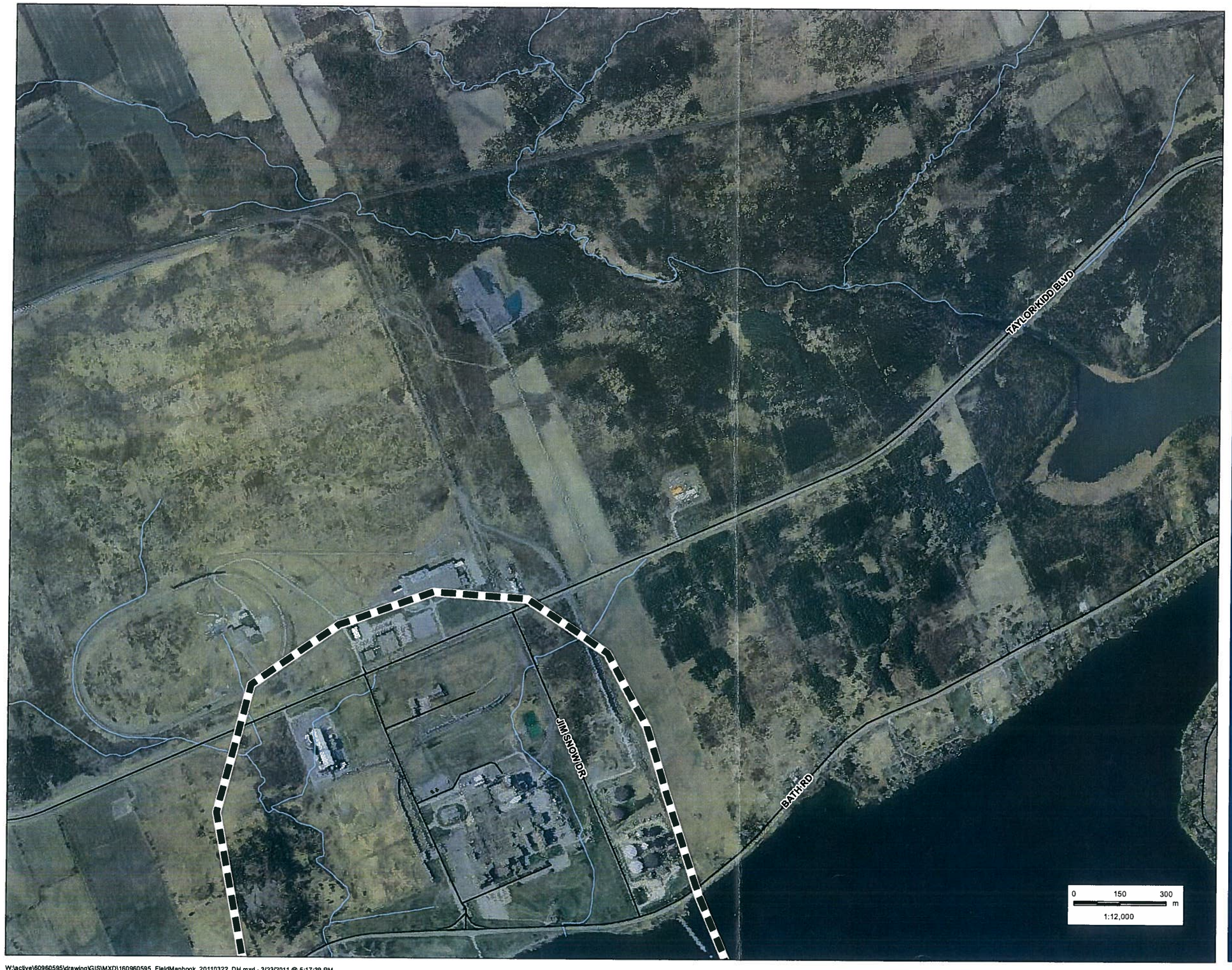
REV: May, 07 Form 010

**Other Bird Species**
Please record any flock behaviour (ie gulls, crows, blackbirds), raptors or any significant species.

| Species | # of Individuals | Location | Behaviour |
|---|---|---|---|
| | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* |
| 25 1S (12:00) BUFF | 80 | L. Ontario | On Feeding or Resting |
| COGO | 30 | | |
| RBME | 20 | | |
| LTDU | 40+30 | | |
| LB ~~G~~RSC | 30 | | |

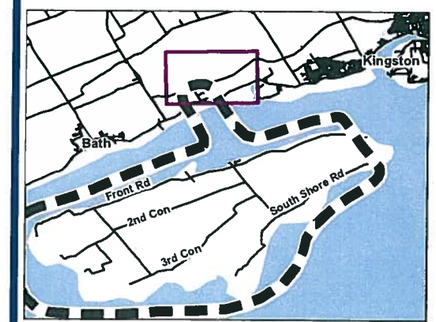
Quality Control: This form is complete (✓) & legible (✓).
Signature: Dan Graham (Field Personnel)
Signature: Kathi S (Project Manager)


REV: May, 07 Form 010




## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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Tile 1

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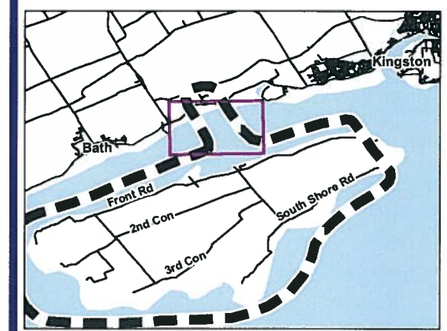
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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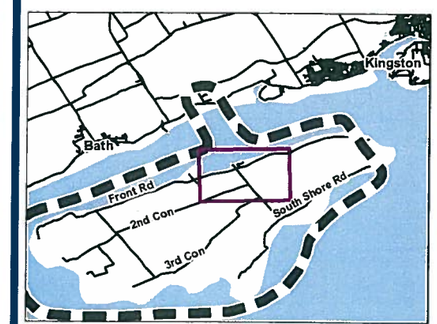
- Road
- Watercourse
- Property Boundaries
- Signed Property

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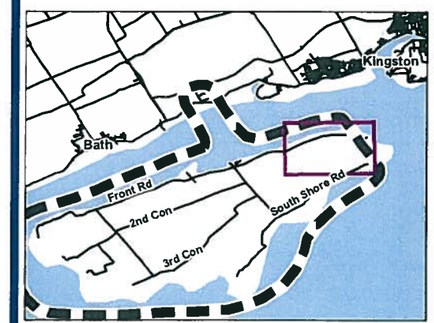
- Property Boundaries
- Signed Property

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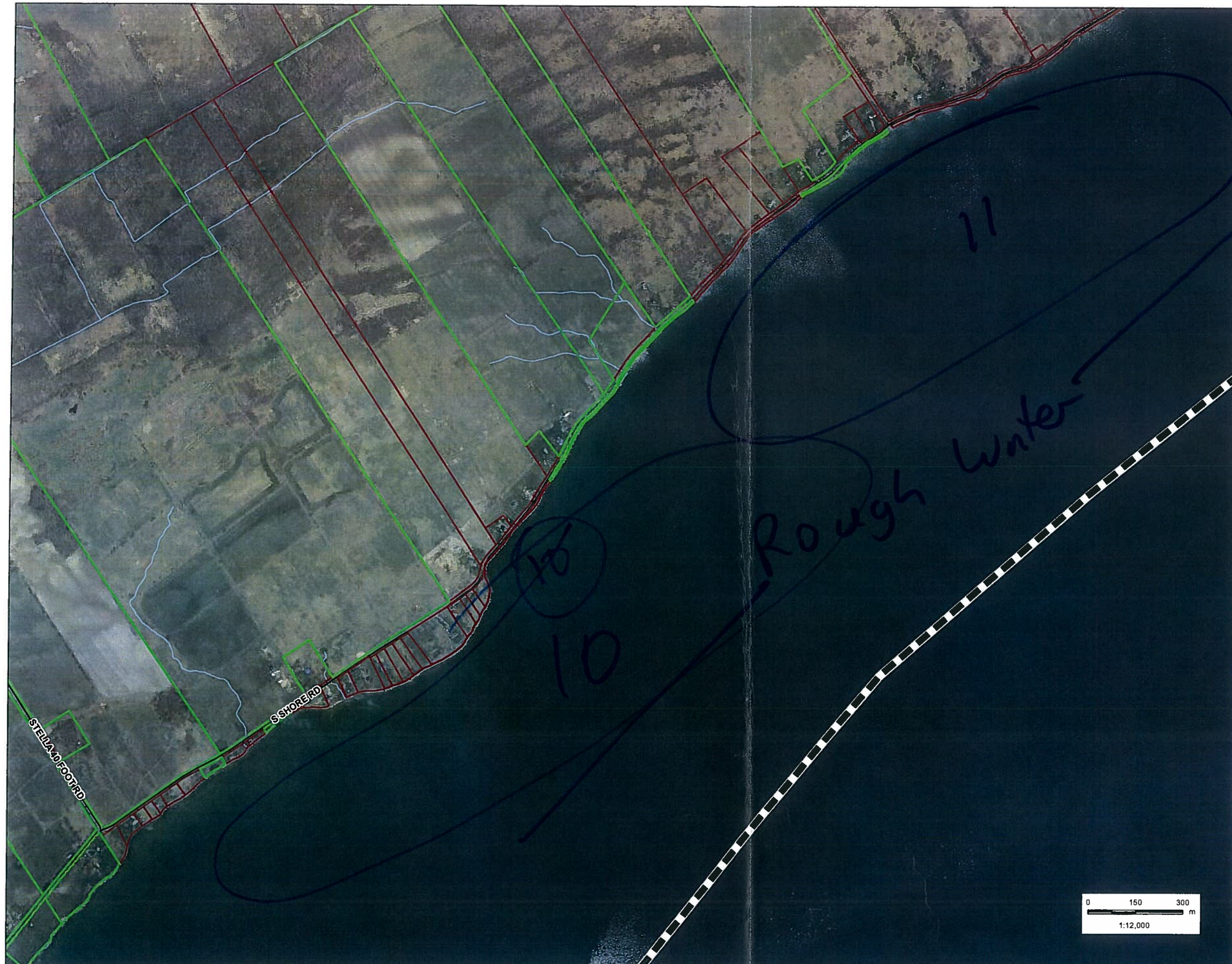
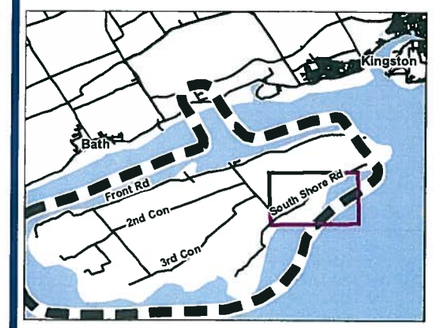



**Legend**

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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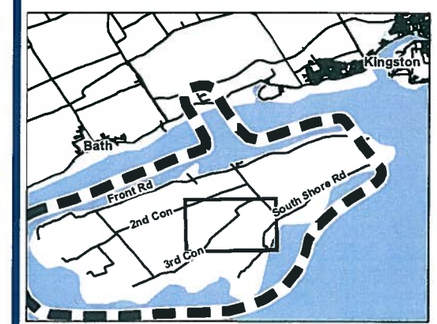
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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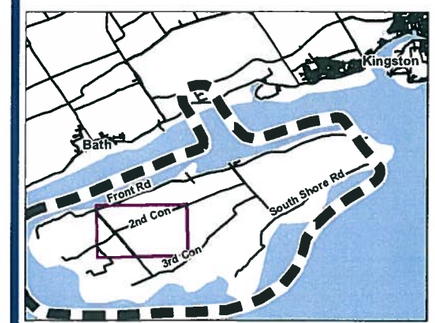


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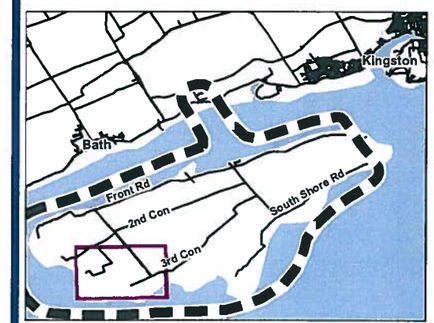


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- Study Area
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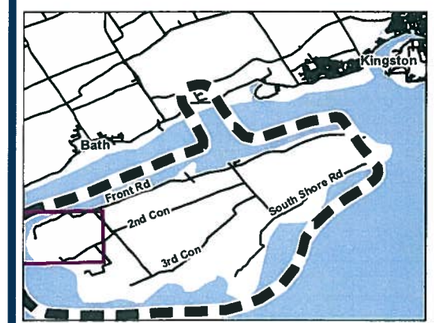


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Title
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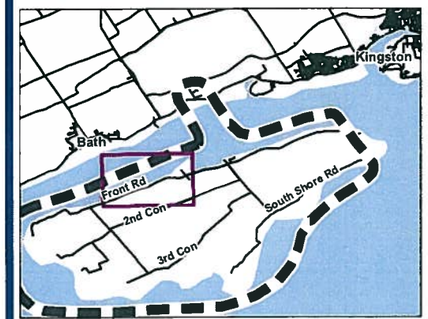


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Tile 11

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Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595 Project Name: Amherst Island

Date / Time: April 4, 2011 11:30-14:30 Field Personnel: ART / NCK

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 5°C | 3-4 | 100% | light rain | |

| Flock No. & Time | Species | # of Individuals | Location | Behaviour |
|---|---|---|---|---|
| | | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* |
| 27 (1) 11:57 | COGO | x10 | ~10-15m offshore | - foraging |
| 30 (2) 12:01 | COGO | 20+150 x10+15+50 | ~10-30m offshore | - foraging |
| | MALL | x15 | | |
| | BUFF | 15 | | |
| | COME | x20 | | |
| | RBME | x51 10+ 25 | | |
| 29 (3) 12:07 | BUFF | x5 | ~10-50m offshore | - foraging |
| | COME | x8+10 | | |
| | RBME | x50+15 | | |
| | COGO | x4+15 | | |
| 29 (4) 12:10 | COGO | x35 | ~10-100m offshore | - foraging |
| | RBME | x20 | | |
| 28 (5) 12:36 | CAGO | x12 | - Hay field | foraging |

Quality Control: This form is complete (✓) & legible (✓).

Signature: [illegible] (Field Personnel) Signature: Kathin [illegible] (Project Manager)

Page 1 of 3

REV: May, 07 Form 010

**Other Bird Species**
Please record any flock behaviour (ie gulls, crows, blackbirds), raptors or any significant species.

| Species | # of Individuals | Location | Behaviour |
|---|---|---|---|
| | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* |
| | | - Heronry - 12 nests present<br>- no heron present | |

(A)

Quality Control: This form is complete (__) & legible (__).
Signature: _____ (Field Personnel)  Signature: _____ (Project Manager)

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595 Project Name: Amherst

Date / Time: April 4, 2011 Field Personnel: ART / NCK

| Weather Conditions: | Temp: See | Wind: page #1 | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|

| | Flock No. & Time | Species | # of Individuals | Location | Behaviour |
|---|---|---|---|---|---|
| | | | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* |
| 28 | (6) 12:41 | CAGO | 12 | - Hay | - foraging |
| 12 | (7) 12:47 | CAGO | 8 + 12 | - Hay | - foraging |
| 15 | (8) 13:20 | RBME | x 40 | - 30-100m offshore | - foraging |
| | | COGO | x 45 | | |
| 14 | (9) 13:29 | CAGO | x 25+16 | - Hay | - foraging |
| 6 | (10) 13:35 | COGO | x 35 | - 30-100m offshore | - foraging |
| | | RBME | x 60 | | |
| 7 | (11) 13:42 | RBME | x 30 | | |
| | | COGO | x 16 | - 30-100m offshore | - foraging |
| | | BUFF | x 10 | | |
| 19 | (12) 13:47 | MALL | x 2 | | |
| | | COGO | x 12 | - 50-70m offshore | - foraging |
| | | RBME | x 6 | | |
| | | LTDU | x 30 | | |

Quality Control: This form is complete (✓) & legible (✓).

Signature: [illegible] (Field Personnel) Signature: [illegible] (Project Manager)

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Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595 Project Name: Amherst Island

Date / Time: April 4, 2011 Field Personnel: ART INCH

| Weather Conditions: | Temp: See | Wind: page #1 | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|

| Flock No. & Time | Species | # of Individuals | Location | Behaviour |
|---|---|---|---|---|
| | | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* |
| NA (13) 14:02 | RBME | x6 | -30-50m offshore | foraging |
| 26 (14) 14:27 | RBME<br>LTDU<br>COGO | x60x10<br>x10<br>x45 | -offshore | - foraging |

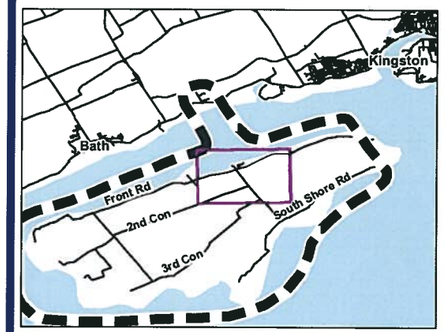
Quality Control: This form is complete (✓) & legible (✓).

Signature: [illegible] (Field Personnel) Signature: [illegible] (Project Manager)

 REV: May, 07 Form 010

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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Title
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Figure No.
Tile 3

Title
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## Legend

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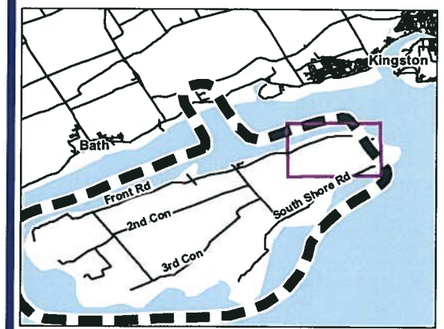
- Signed Property

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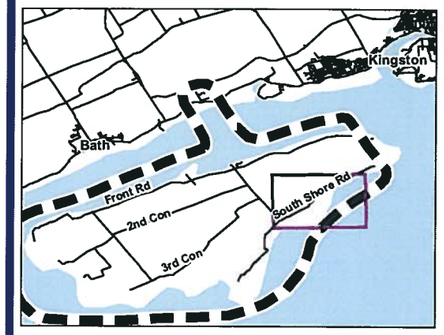
- Property Boundaries
- Signed Property




## Notes

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160960595

Client/Project
Client
Title
Project

Figure No.
Tile 5

Title
**FIELD MAPBOOK**

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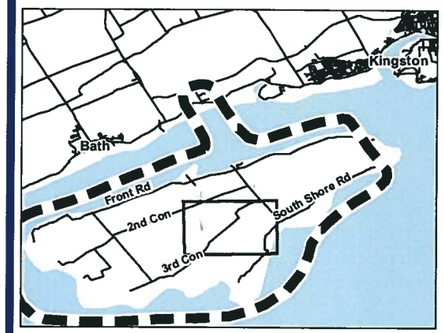
Revised on: 01-DD-2011 By: username

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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Client
Title
Project

Figure No.
Tile 6

Title
**FIELD MAPBOOK**

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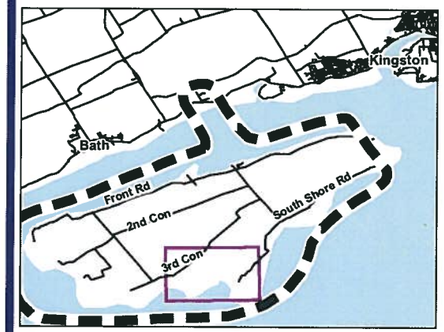
Revised on: 01-DD-2011 By: username

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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Client
Title
Project

Figure No.
Tile 7

Title
**FIELD MAPBOOK**

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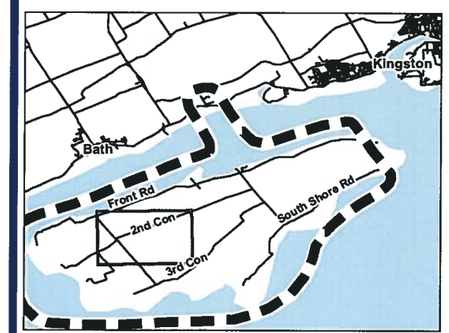
38

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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Client
Title
Project

Figure No.
Tile 8

Title
**FIELD MAPBOOK**

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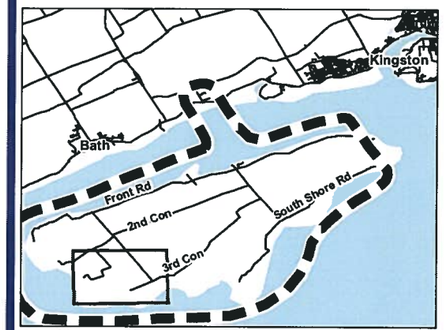
Revised on: 01-DD-2011 By: username

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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Client
Title
Project

Figure No.
Tile 9

Title
**FIELD MAPBOOK**

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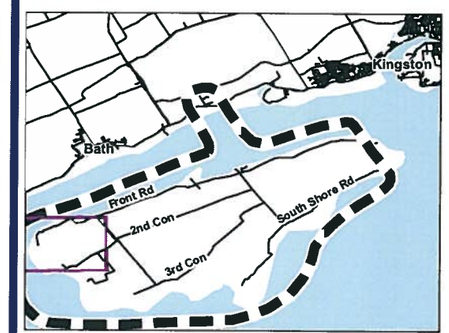
Revised on: 01-DD-2011 By: username

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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Client
Title
Project

Figure No.
Tile 10

Title
**FIELD MAPBOOK**

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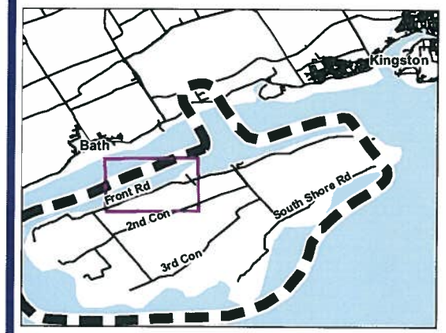
Revised on: 01-DD-2011 By: username

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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Client
Title
Project

Figure No.
Tile 11

Title
**FIELD MAPBOOK**

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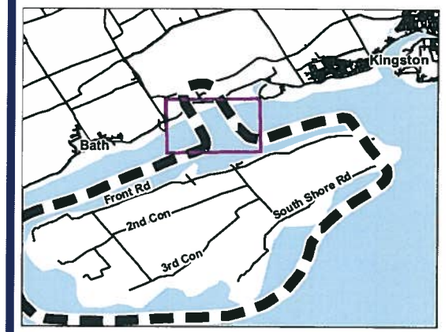
Revised on: 01-DD-2011 By: username

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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Client/Project
Client
Title
Project

Figure No.
Tile 2

Title
**FIELD MAPBOOK**

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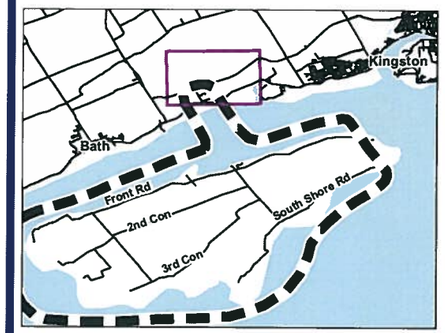
Revised on: 01-DD-2011 By: username

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property

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Client
Title
Project

Figure No.
Tile 1

Title
**FIELD MAPBOOK**

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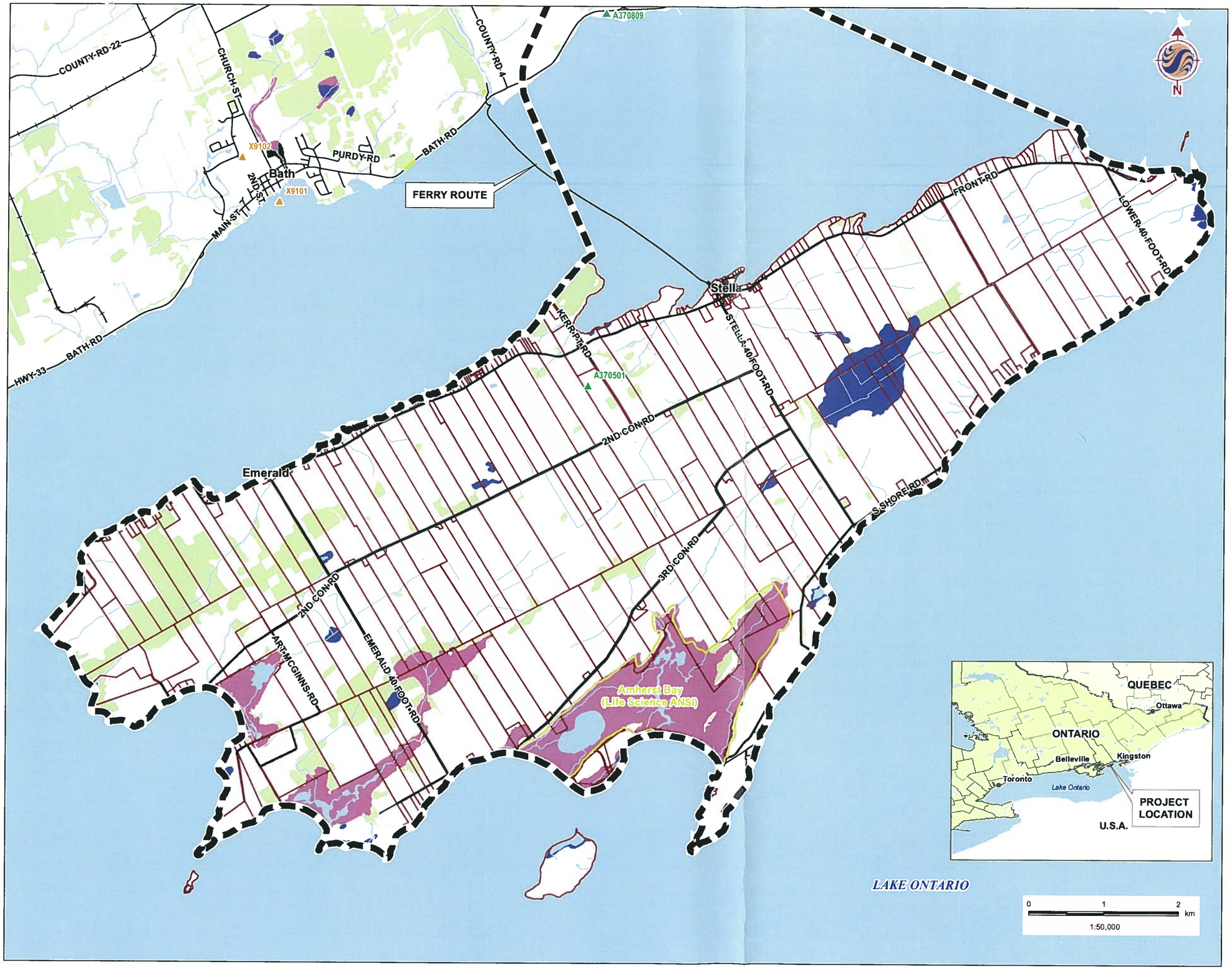
Revised on: 01-DD-2011 By: username




## Legend

- Study Area
- Active Landfill
- Closed Landfill
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

## Notes

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160960595.200

April 2011
160960595

Client/Project
Client
Title
Project Amherst Is. W.P.

Figure No.
DRAFT

Title
**STUDY AREA**

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Revised on: 2011-04-05 By: pworsell

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595.200

Project Name: AMHERST ISLAND W.P.

Date / Time: 14 APRIL/11 12:40 – 16:30

Field Personnel: BOB STAMP & JIM HESLOP

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 10°C | E2 | 60% | 0 | RAIN |

79 KM. (~~[illegible]~~)

| Flock No. & Time | Species | # of Individuals | Location | Behaviour |
|---|---|---|---|---|
| | | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* |
| 24 (1) ~~[illegible]~~ 12:43 | LTDU | 4 | OVER WATER | LOW OVER WATER FLYING NE |
| 26 (2) ~~[illegible]~~ 12:45 | COLO | 2 | IN WATER | Feeding |
| 3 (3) 12:56 | ~~[illegible]~~ CAGO | 2 | Field | ✓ |
| 3 (4) 13:00 | ✓ | 2 | Edge of Pond | Resting |
| 3 (5) 13:05 | ✓ | 1 | ON NEST ON ISLAND | INCUBATING |
| 3 (6) 13:10 | ✓ | 2 | ON LAWN ~~in Pond~~ | Feeding |
| 20 (7) 13:12 | ✓ | 2 | ON Field | ✓ |
| 20 (8) 13:13 | MALL | 3 | IN STREAM | ✓ |
| 20 (9) 13:17 | ✓ | 2 | ✓ ✓ | Resting |
| 19 (10) 13:21 | ✓ | 2 | ON WATER | ✓ |
| ✓ | GADW | 2 | ✓ | ✓ |
| ✓ | BUFF | 2 | ✓ | ✓ |
| ✓ | RBME | 13 | ✓ | ✓ |
| 19 (11) 13:25 | | | | |
| 7 (12) 13:27 | ✓ | 2 | ✓ | Feeding |
| ✓ | BUFF | 2 | ✓ | ✓ |
| ✓ | COGO | 2 | ✓ | FLEW W. LOW OVER WATER |
| 7 (13) 13:30 | RBME | 5 | ✓ | Resting |
| ✓ | BUFF | 2 | ✓ | ✓ |
| ✓ | COGO | 1 | ✓ | ✓ |
| 6 (14) 13:32 | MALL | 1 | ✓ | ✓ |

Quality Control: This form is complete (✓) & legible (✓).

Signature: [illegible] (Field Personnel)

Signature: Kathi [illegible] (Project Manager)



REV: May, 07 Form 010

| | | Species | # of Individuals | Location | Behaviour |
|---|---|---|---|---|---|
| | | BUFF | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* |
| 6 (14) | 13:32 | ~~[illegible]~~ | 2 | IN WATER | Feeding |
| 32 (15) | 13:38 | CAGO | 2 | ON Field | ✓ |
| 32 (16) | 13:40 | ✓ | 4 | ✓ | Resting |
| | ✓ | MALL | 2 | ON TEMP. Pond | ✓ |
| 32 (17) | 13:44 | CAGO | ~~16~~ 18 | ON Field/PASTURE | Feeding |
| 33 (18) | 13:46 | ✓ | 14 | ✓ | ✓ |
| 33 (19) | 13:50 | ✓ | 18 | ✓ | ✓ |
| 33 (20) | 13:53 | ✓ | 2 | ✓ | ✓ |
| | ✓ | MALL | 2 | ✓ | ♀ ON NEST |
| 3 (21) | 13:56 | CAGO | 2 | ✓ | RESTING |
| 4 (22) | 13:58 | ✓ | 18 | ✓ | Feeding & Resting |
| 3 (23) | 14:02 | BUFF | 6 | ON WATER | ✓ |
| 1 (24) | 14:06 | MALL | 2 | ✓ | RESTING |
| 11 (25) | 14:13 | CAGO | 6 | ON PASTURE | Feeding |
| 2 (26) | 14:19 | ✓ | 26 | ON ✓ | ✓ |
| 28 (27) | 14:24 | ✓ | 1 | ON WATER | Resting |
| 28 (28) | 14:27 | ✓ | 2 | ON Field | ✓ |
| 28 (29) | 14:27 | ✓ | 11 | ✓ | Feeding |
| 34 (30) | 14:39 | ✓ | 12 | ON WATER | ✓ |
| 17 (31) | 14:46 | MALL | 4 | ✓ | RESTING |
| ✓ | ✓ | GWTE | 4 | ✓ | ✓ |
| ✓ | ✓ | BUFF | 2 | ✓ | ✓ |
| 7 (32) | 14:48 | ✓ | 8 | ✓ | ✓ |
| | ✓ | RBME | 6 | ✓ | ✓ |
| 29 (33) | 14:54 | ✓ | 24 | ✓ | Feeding |
| ✓ | ✓ | COGO | 12 | ✓ | ✓ |
| 8 (34) | 14:58 | BUFF | 30 | ✓ | ✓ |
| ✓ | ✓ | RBME | 12 | ✓ | ✓ |
| 31 (35) | 15:21 | MALL | 2 | ON TEMP. Pond | RESTING |

Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel)

Signature: Kathin Sn (Project Manager)



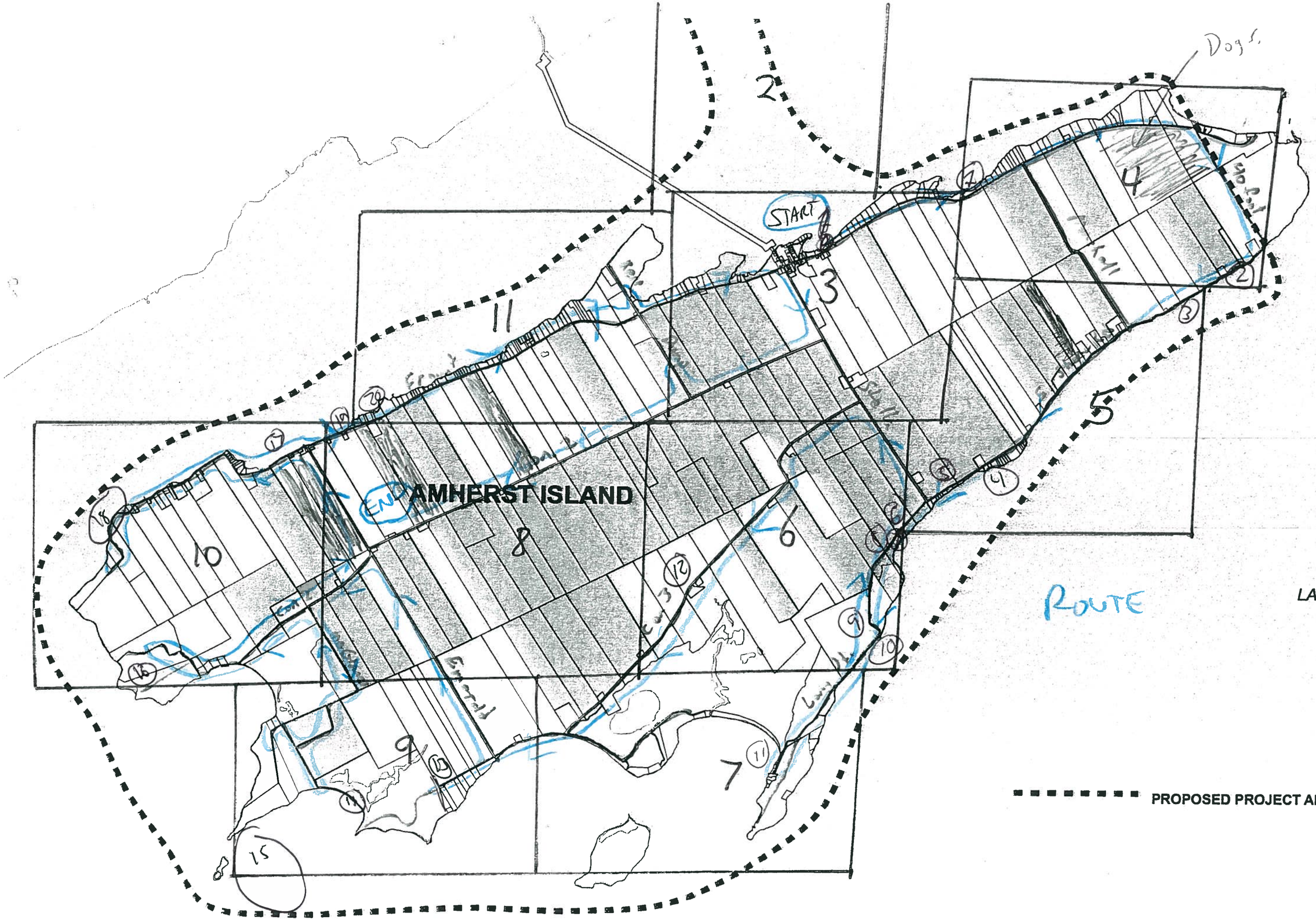
REV: May, 07 Form 010

April 14/11
B. Stamp & J. Heslop

| | Species | # of Individuals | Location | Behaviour |
|---|---|---|---|---|
| | | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* |
| NA 36 | 15:23 GADW | ~~GADW~~ 2 | ON WATER | RESTING |
| ✓ | ✓ COLO | 1 | ✓ | Feeding |
| ✓ | ✓ RBME | 6 | ✓ | RESTING |
| ✓ | ✓ COME | 4 | ✓ | ✓ |
| ✓ | ✓ MALL | 1 | ✓ | ✓ |
| 37 37 | 15:33 CAGO | 2 | ON LAWN | ✓ |
| 30 38 | 15:36 BUFF | 2 | ON WATER | ✓ |
| ✓ | ✓ RBME | 2 | ✓ | Feeding |
| 27 NA 39 | 15:51 BUFF | 2 | ✓ | FLYING EAST-LOW |
| 35 NA 40 | 15:59 COGO | 7 | OVER WATER | Feeding |
| 27 39 | 16:03 RBME | 2 | ON WATER | ✓ |
| ✓ | ✓ COLO | 1 | ✓ | RESTING |
| 35 40 | 16:25 RBME | 12 | ✓ | ✓ |
| ✓ | ✓ COME | 2 | ✓ | ✓ |
| 35 40 | ✓ BUFF | 1 | ✓ | Feeding |
| ✓ | ✓ CAGO | 2 | ON LAWN | |
| 35 41 | ✓ ✓ | 2 | | |

Quality Control: This form is complete (✓) & legible (✓).
Signature: _____ (Field Personnel)
Signature: _____ (Project Manager)


REV: May, 07 Form 010


AMHERST ISLAND
START
END
ROUTE
LAKE ONTARIO
PROPOSED PROJECT AREA

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

Ham-

# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst

Date / Time: Apr 19, 11

Field Personnel: B. Holden J. Heslop

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 6-8°C | 3-4 NE | 50-90% | / | Drizzle |

| | Flock No. & Time | Species | # of Individuals | Location | Behaviour |
|---|---|---|---|---|---|
| 35 | (1) RBME - 3, BUFF - 4, COGO - 12 | on water 11:20 | - feeding / displaying. | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* |
| 9 | (2) RBME - 25, CTDU - 20, BUFF-4, GADW-2 | 11:39 - on water w/ BOGU's - | | | |
| 9 | (3) GADW-2, MALL-4 | 11:41 - on water feeding. | | | |
| 5 | (4) BUFF-25, RBME-20, GADW-2, COGO-4 | 12:05 on water w/ 1 WOUT BOGU | | | |
| 5 | (5) CAGO-5 | 12:07 - in pond feeding | | | |
| 4 | (6) HOME-4 | 12:10 - on pond - | | | |
| 21 | (7) CAGO-14 | 12:11 - on pasture feeding | | | |
| 4 | (8) CAGO-15, MALL-2 | 12:13 - on pasture w/ puddles feeding | | | |
| 33 | (9) CAGO-15 | 12:15 - on pasture feeding. | | | |
| 13 | (10) COGO-40 | RBME-40 - BUFF-24 | 12:18 - on water — MALL-2 | | |
| 9 | (11) GWTE-15 | AMWI-20, MALL-6, WOOD-2, RBME-2, COME-2, BUFF-2 All feeding in Bay - 12:25 | | | |
| 12 | 12 CAGO - 35 | - 12:48 - feeding in Agr. field. | | | |

Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel)

Signature: Kathleen [illegible] (Project Manager)



REV: May, 07 Form 010

**Other Bird Species**
Please record any flock behaviour (ie gulls, crows, blackbirds), raptors or any significant species.

| Species | # of Individuals | Location | Behaviour |
|---|---|---|---|
| | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* |
| BAEA - | 1 | | |
| ROHA - | ~~IIII~~ | | |
| RCHA - | ~~IIII~~ IIII | | |
| NOHA - | ~~IIII~~ III | | |
| AMCE - | ~~IIII~~ IIII | | |
| TUVS not counted. | | | |

Quality Control: This form is complete ( ) & legible ( )
Signature: _____ (Field Personnel) Signature: Kathrin Sn (Project Manager)

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 595 Project Name: Amherst

Date / Time: Apr 19, 11 Field Personnel: BH JH

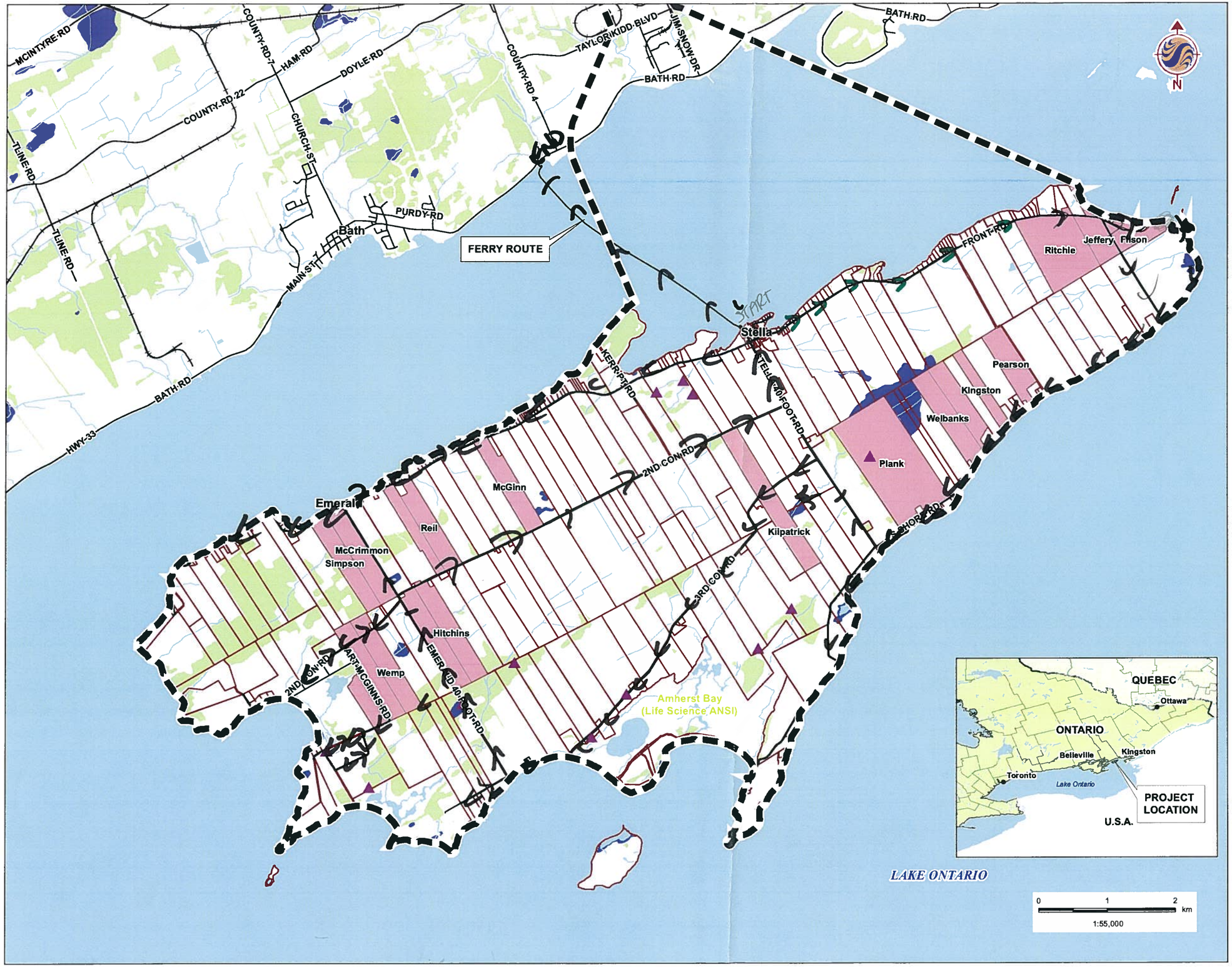
| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | | [illegible] | [illegible] | [illegible] | |

| | Flock No. & Time | Species | # of Individuals | Location | Behaviour |
|---|---|---|---|---|---|
| | | | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* |
| 36 (13) | CAGO- | 14 - 1:02 - | in field | - Agr. - Feeding | |
| 37 (14) | EUW-1, AMWI-8, ABDU-8, MALL-4, GWTE-10 - Feeding on Beach - 1:37 | | | | |
| 38 (15) | COGO-100 BUFF-50 LTDU-50 RBME-20 | | 1:35 | - Feeding on water - Very spread out with 1000+ BOBU | |
| 39 (16) | - RNDU-4 BUFF-2 | - CAGO-6 MALL-4 | GWTE-4 | in marsh - Feeding / Breeding #: 8 | |
| 40 (17) | COGO-25 RBME-2 | LTDU-3 BUFF-3 | 2:03 | - on water. | |
| 8 (18) | CAGO-25 RBME-150 | BUFF-70 COGO-30 | GRSC-20 MALL-4 | resting / feeding in sheltered water | 2:13 |
| 40 (19) | COGO-10 | - BUFF-10 | on water 2:25 | | |
| 40 (20) | BUFF-5 RBME-10 | COGO-30 | on water: 2:30 | | |

Quality Control: This form is complete (✓) & legible (✓).

Signature: [illegible] (Field Personnel) Signature: Kathrine [illegible] (Project Manager)

 REV: May, 07 Form 010




## Legend

- Study Area
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- Tentive Access

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
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Amherst Island

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April 2011
160960595

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Title
Project

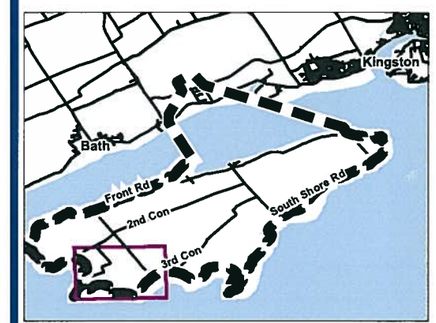
Figure No.
DRAFT

Title
**LAND ACCESS**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\60960595_Landaccess_20110415.mxd
Revised on: 2011-04-05 By: pworsell

**Legend**

- Study Area
- Road
- Watercourse
- Property Boundaries
- Amphibian Station

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April 2011
160960595

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Client
Title
Project

Figure No.
Tile 9

Title
**FIELD MAPBOOK**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\160960595_FieldMapbookNoProperties_20110425_DH.mxd
Revised on: 2011-04-15 By: pworsell

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Amphibian Station

## Notes

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160960595

Client/Project
Client
Title
Project

Figure No.
Tile 10

Title
**FIELD MAPBOOK**

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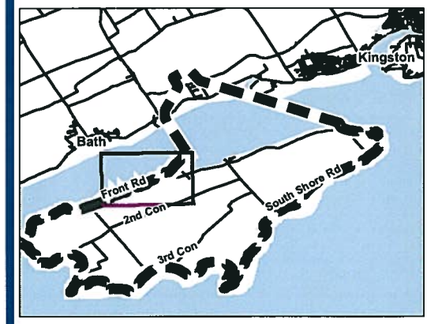
Revised on: 2011-04-15 By: pworsell

**Legend**

- Study Area
- Road
- Watercourse
- Property Boundaries
- Amphibian Station




## Notes

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Title
Project

Figure No.
Tile 11

Title
**FIELD MAPBOOK**

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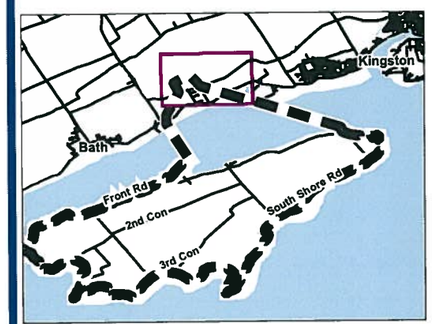
Revised on: 2011-04-15 By: pworsell

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Amphibian Station

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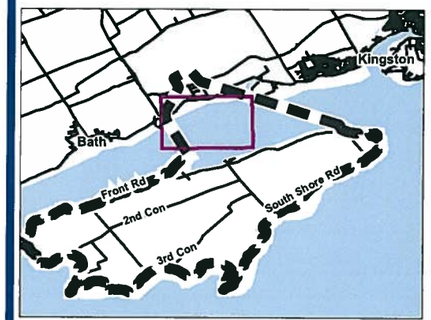
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Amphibian Station

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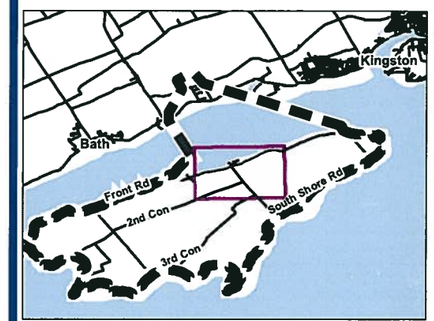
Tile 2

Title
**FIELD MAPBOOK**

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Amphibian Station

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Tile 3

Title
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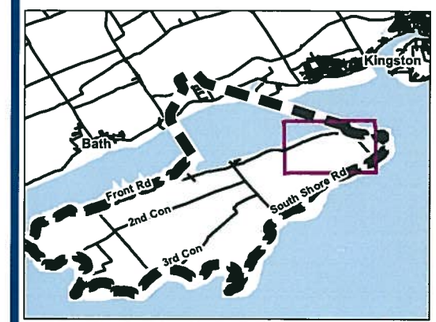
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Amphibian Station

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Tile 4

Title
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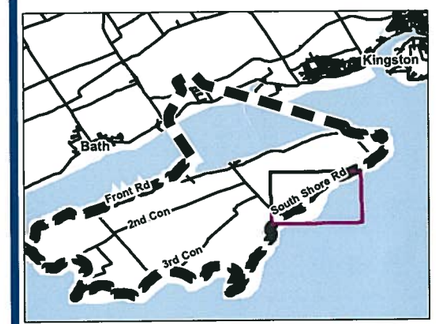
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Amphibian Station

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Title
Project

Figure No.
Tile 5

Title
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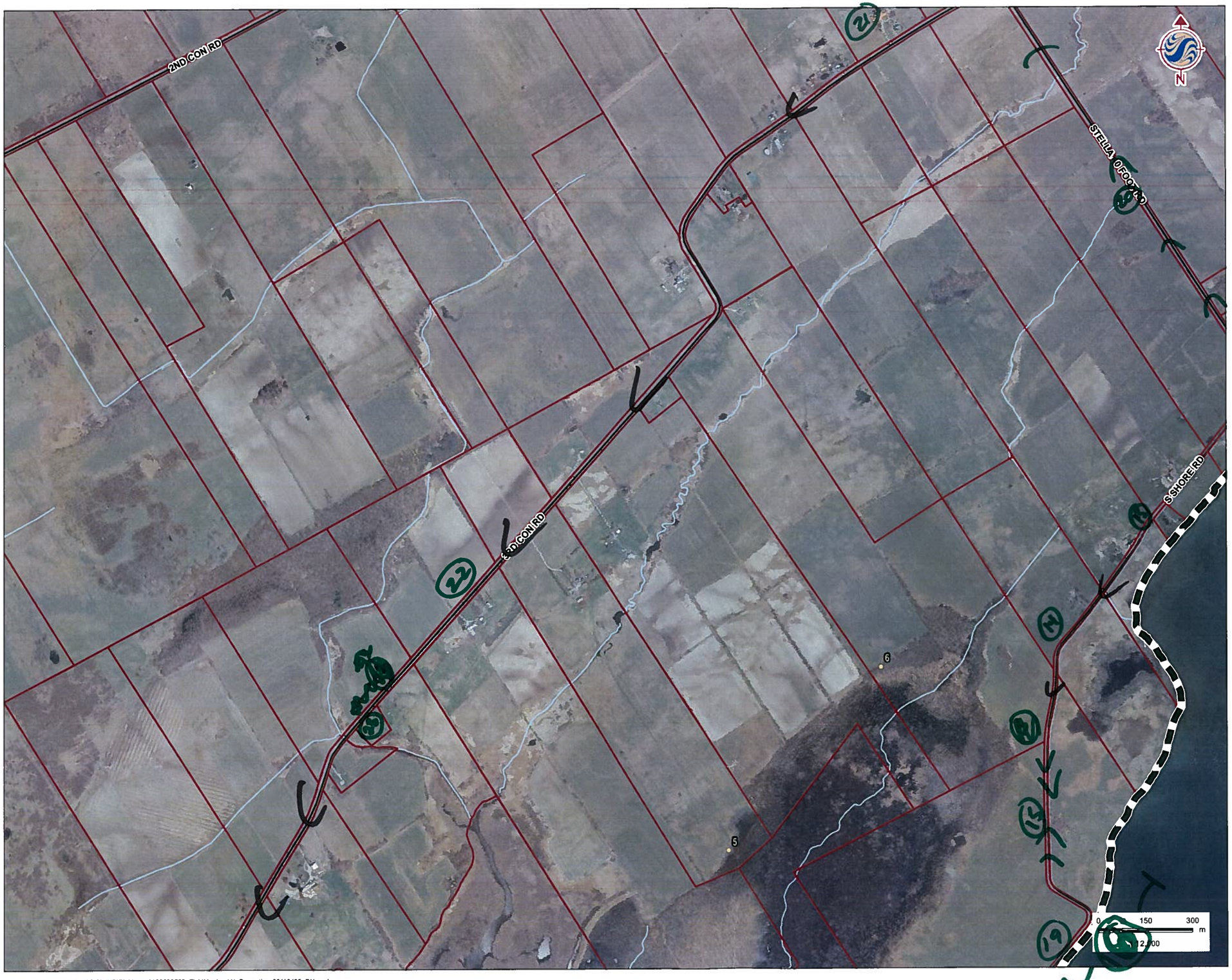
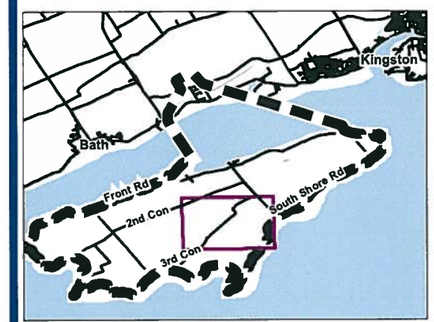



## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Amphibian Station

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Title
Project

Figure No.
Tile 6

Title
**FIELD MAPBOOK**

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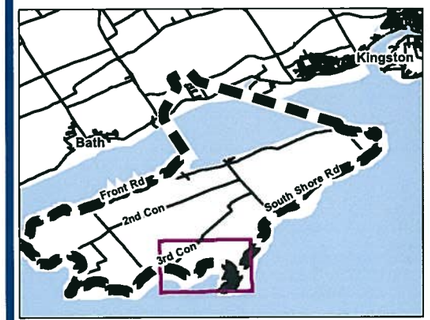
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Amphibian Station

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Project

Figure No.
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Title
**FIELD MAPBOOK**

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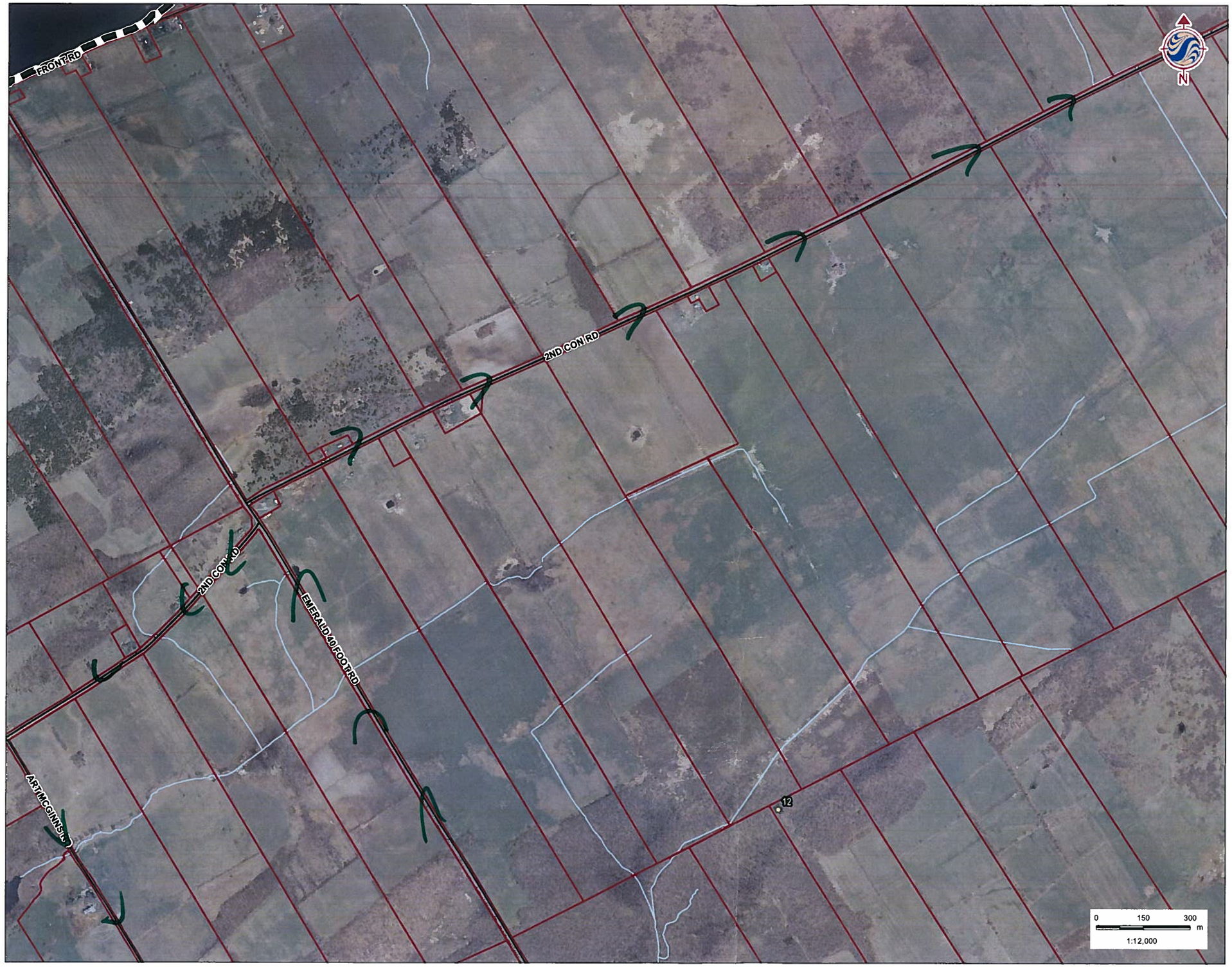
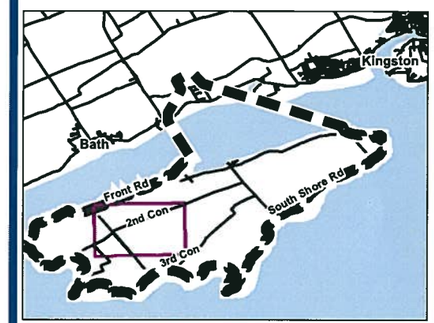



## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Amphibian Station

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Tile 8

Title
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Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595 Project Name: Amherst Island

Date / Time: 26-APR-2011 14:45 - 18:30 & on ferry 9:00 - 9:15 Field Personnel: M. Ross + M. Strauss

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 11°C. | 4 | 100% -95% | none | Rain |

Tstorm @ 18:00

| | Flock No. & Time | Species | # of Individuals | Location | Behaviour | Map Tile |
|---|---|---|---|---|---|---|
| | | | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* | |
| 3 ✓ | (1) 15:06 | CAGO | 4 | Hay | Feeding on | 4 |
| 3 ✓ | (2) 15:06 | CAGO | 1 | Pond | Resting on | 4 |
| 2 | (3) 15:13 | CAGO ♂ ♀<br>BUFF ♂ ♀<br>GWTE ♂ ♀ | 3 - 1 @ nest<br>2<br>2 | Pond along Lake | Resting | 4 |
| | (4) 15:15 | DCCO | 1 | Lake | Resting → flew @ 10m | 4 |
| | (5) 15:19 | CAGO | 2 | cut hay | Resting on | 4 |
| 10 | (6) 15:22 | MALL<br>CAGO | 4+1<br>4 | ~~creek~~ cut hay | Flying to land + vice versa 10m - on | 4 |
| 9 | (7) 15:30 | BUFF<br>GADW<br>LTDU<br>MALL ♂ | 9<br>2 ♂<br>4<br>2 | Lake | Resting | 4 |
| 3 | (8) 15:38 | DCCO<br>BUFF<br>MALL<br>GADW<br>AMWIGEGN<br>RBME | 1+1+5<br>16+2+5+3+2+2+2+2+2<br>2<br>2 ♂ + 2+1+2<br>2<br>3+20+3+2+2+1+4+2 | Lake | Flying - on<br>Resting | (4) + (5) |

Quality Control: This form is complete (✓) & legible (✓).

Signature: Goldeneye Melissa Strauss. (Field Personnel) Signature: (Project Manager)

 REV: May, 07 Form 010

| | Species | # of Individuals | Location | Behaviour | Map Tile |
|---|---|---|---|---|---|
| | | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* | |
| 32 (9) | CAGO 14:57 | 2 | Hay | Resting | 5 |
| 32 (10) | CAGO 16:00 | 3 | Cattle Pasture. | Feeding | 5 |
| 4 (11) | CAGO 16:03 | 2 | Flooded hay | resting | 5 |
| 4 (12) | CAGO 16:04 | 4+1+2 | Pond in hay field/ lawn | resting/feeding | 5 |
| | MALL Shoveller | 1 | | " | |
| | CAGO | 3(2♀+1♂) | Pasture | | 6 |
| 33 (13) | 16:07 | 25 | Pasture | " | 6 |
| 33 (14) | CAGO | 3 | | " | 6 |
| 33 (15) | CAGO | 18+10+6 | " | | |
| | 16:12 Long-tail | 4 | Lake. | resting. | (6)(7) |
| | BUFF | 2♀+2 | | | |
| 15 (16) | GADW | 2 | Pond/Lawn | Feeding | 7 |
| (17) | CAGO | 2 | | | |
| 14 (18) | CAGO | 1 | Road | Resting | 7 |
| 9 (19) | CAGO | 5 | Pasture | Feeding | |
| 4 (20) | MALL 16:29 | 1 | Wet part of cut hay | Resting | 6 |
| 11 (21) | CAGO 16:33 | 2 | Barnyard | Resting | 6 |
| 12 (22) | CAGO 16:38 | 2 | Cut Hay | " | 6 |

Quality Control: This form is complete (✓) & legible (✓).

Signature: Helen Strauss (Field Personnel)

Signature: Katrina Sm (Project Manager)



REV: May, 07 Form 010

26 April 2011 M. Ross & M. Straus.

| | Species | # of Individuals | Location | Behaviour | Map ID |
|---|---|---|---|---|---|
| | | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* | |
| 12 ✓ (23) | CAGO 16:40 | 2 | wet pocket - flooded pasture | Resting/eating | 6 |
| 12 ✓ (24) | CAGO 16:43 | 35 | Cut hay | Rest/eating | 7 |
| 12 ✓ (25) | CAGO | 2+1 | Fallow/ploughed | " | 7 |
| 28 ✓ (26) | CAGO | 5+3+3 | Pasture/Barnyard | Resting/feeding | 7 |
| 28 (27) | CAGO 16:50 | 2 | lawn | " | ~~7~~ |
| 22 ✓ 28 | BUFF CAGO 16:50 | 3+6 2 | Lake | Resting/feeding | 7 |
| 36 ✓ (29) | CAGO | 3 | Cut hay | " | 9 |
| 36 ✓ (30) | " 16:56 | 10 | " | " | 9 |
| 23 ✓ (31) | 18:10 MALL | 2 | Cut hay | " | 9 |
| 24 ✓ 32 | CAGO 17:25 | 1 | Cut hay | " | 9 |
| 24 ✓ (33) | 17:26 CAGO | 2+2 | | | |
| | MALL | 1 | River/channel | Resting | 9 |

Quality Control: This form is complete (✓) & legible (✓).

Signature: Melissa Straus (Field Personnel) Signature: Katherine S (Project Manager)

 REV: May, 07 Form 010

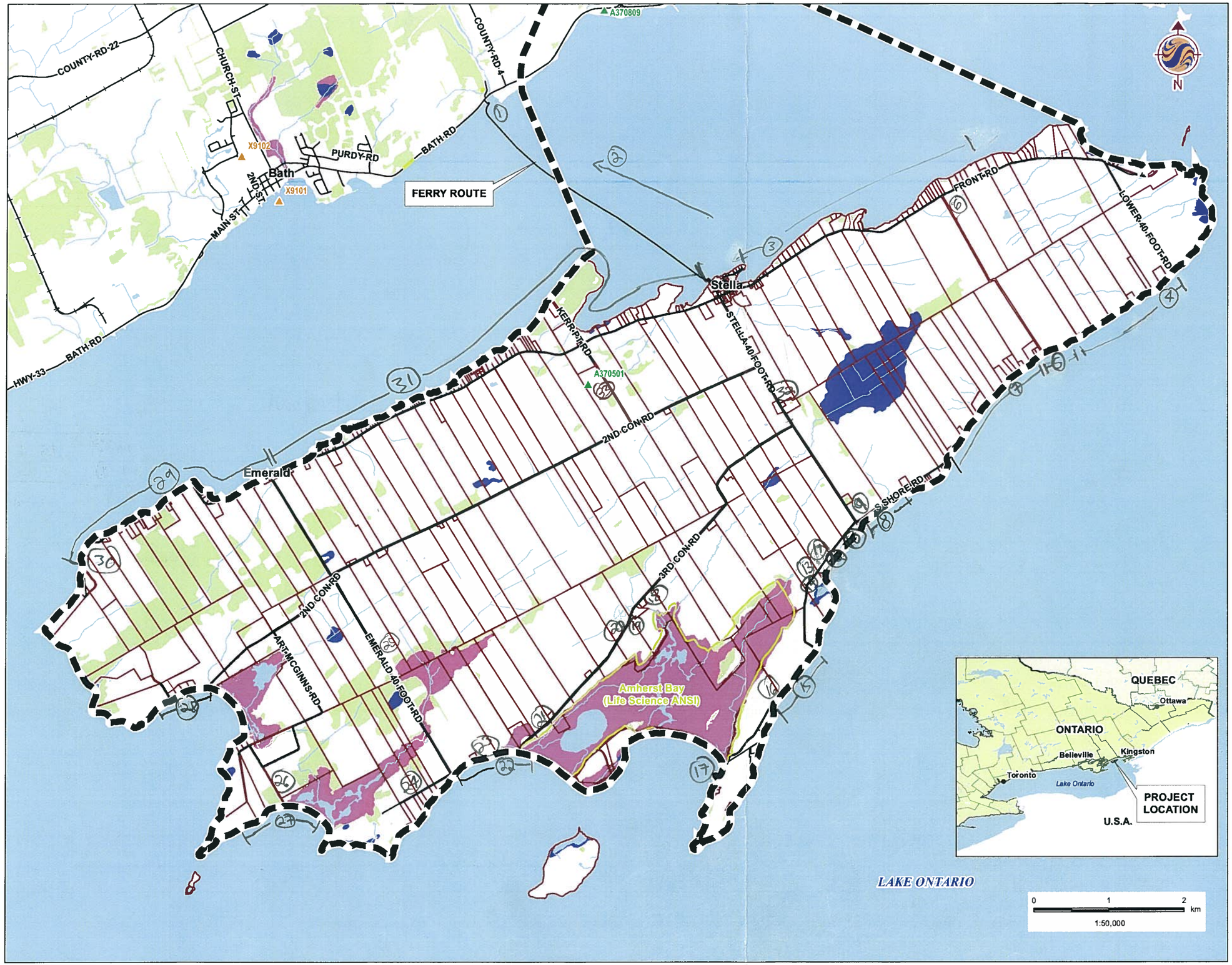
Map T.6

| | Species | # of Individuals | Location | Behaviour | |
|---|---|---|---|---|---|
| | | | *In water, agr. field near puddle, mowed lawn etc.* | *Height/direction of flight, feeding etc.* | |
| 17 ✓ | (34) RBME | 7 | Lake | Rest → flew | |
| | BUFF | 7 | " | <10m. | (9) + |
| 27 ✓ | (35) MALL | 1 ♂ | grass edge of bay | Rest | (10) |
| | COLO | 1 | Lake | Rest | |
| | 17:46. | | | feeding | |
| | DCCO | 1 | " | | (1) |
| 25 ✓ | (36) 17:49 | | | | |
| | DCCO | 1+1+17 | Lake | feeding | |
| | RB MERGIES | 6+2+1+2+11+2+4+3+2+2 | Lake +3 | Resting | (1) + |
| | COME | 2+5+2 | " | " | (10) |
| | BUFF | 5+2+2+7+15 | | | |
| | MALL | 12 | | | |
| 25 ✓ | (37) CAGO | 3 | Pasture | Rest/Feeding | (10) |
| | MALL | 1 | 1 | | |
| 27 ✓ | (38) 18:26 RBME | 3+3 | Lake | Resting | (1) |
| | DCCO | 1+1 | | | |
| BREAK in survey | | | | | |
| 35 ✓ | (39) 19:45 RBME | 1 | Lake | Resting | (1) |

Quality Control: This form is complete (✓) & legible (✓).

Signature: Melissa Straus (Field Personnel) Signature: Kathrin Sm (Project Manager)

 REV: May, 07 Form 010







## Legend

- Study Area
- Active Landfill
- Closed Landfill
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

## Notes

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Project

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DRAFT

Title
**STUDY AREA**

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Revised on: 2011-04-05 By: pworsell

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595 Project Name: Amherst Island

Date / Time: May 3/11 2:07pm - 2:45pm, 4:15pm - 7:47pm Field Personnel: Matthew Ross + Don Graham

| Weather Conditions: | Temp: 8° | Wind: 3 | Cloud: 100% | PPT: Rain | PPT in last 24 hrs: Rain |
|---|---|---|---|---|---|

| | Flock No. & Time | Species | # of Individuals | Location | Behaviour |
|---|---|---|---|---|---|
| 26 | (1) 2:12 | RBME<br>LTDU | 2<br>3 | *In water, agr. field near puddle, mowed lawn etc.* near ferry dock (Mainland) | *Height/direction of flight, feeding etc.* On Rest |
| 26 | (2) 2:40 | LTDU | 2 | Flying over bay | SM NW |
| 35 | (3) 4:19 | RBME | 8 | on bay | On rest |
| 19 | (4) 4:29 | GADW<br>AMWI<br>RBME<br>BUFF<br>LTDU<br>MALL<br>BUTE<br>COLO | 4+2<br>2+3<br>2+1+9<br>2+2<br>5+10+2+6+12<br>2<br>2<br>1 | on lake | On Rest |
| 8 | (5) 4:39 | MALL<br>BUFF<br>RBME | 2<br>3<br>5+3+4 | on lake | On Rest |
| 3 | (6) 4:49 | MALL | 2 | in fallow field | On Rest |
| 7 | (7) 4:56 | RBME<br>BUFF<br>COLO<br>COGO | 5+14<br>4+7<br>1<br>1 | on lake | On Feed |
| 5 | (8) 5:06 | BUFF<br>RBME | 5<br>7 | on lake | On Rest |
| 4 | (9) 5:08 | CAGO | 4 | Pasture | On Rest/Feed |

Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel) Signature: _____ (Project Manager)

 REV: May, 07 Form 010

**Other Bird Species**
Please record any flock behaviour (ie gulls, crows, blackbirds), raptors or any significant species.

| | Species | # of Individuals | Location | Behaviour |
|---|---|---|---|---|
| (10) 5:10 21 | CAGO<br>NOSH<br>MALL<br>BWTE | 4<br>1<br>1<br>2 | *In water, agr. field near puddle, mowed lawn etc.*<br>Pasture | *Height/direction of flight, feeding etc.*<br>On Rest |
| (11) 5:13 | CAGO | 30 +3 | Pasture | On Rest |
| (12) 5:13 21 | CAGO<br>MALL | 2<br>1 | Residential | On Rest |
| (13) 5:15 | CAGO | 45 | Pasture | On Rest |
| (14) 5:15 | CAGO | 6 | Pasture | On Rest |
| (15) 5:18 | RBME<br>BUFF<br>LTDU | 40<br>17<br>2 | on lake | On Rest/feed |
| (16) 5:23 | CAGO | 15 | Pasture | On Rest |
| (17) 5:26 | RBME | 1 | on Bay | On feed |
| (18) 12 5:41 | CAGO | 6 +2 | pasture | On Rest |
| (19) 12 5:43 | CAGO | 12 +2 | old Hay field | On Rest |
| (20) 12 5:44 | CAGO | 55+5 | cut Hay | On Rest |
| (21) 28 5:49 | CAGO | 6 | Pasture | On Rest |
| (22) 5:51 2 | BUFF<br>RBME<br>COGO | 39<br>1<br>8 | on lake | On Rest |
| (23) 5:56 36 | CAGO | 6 | fallow field | On Rest |

Quality Control: This form is complete (✓) & legible (✓).
Signature: _____ (Field Personnel) Signature: _____ (Project Manager)


REV: May, 07 Form 010

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 16096059 5

Project Name: Amherst Island

Date / Time: May 3/11 207 pm 3:45pm 4:15 pm - 7:47 pm

Field Personnel: Matthew Rocs + Don Brechman

| Weather Conditions: | Temp: 8° | Wind: 3 | Cloud: 100% | PPT: Rain | PPT in last 24 hrs: Rain |
|---|---|---|---|---|---|

| | Flock No. & Time | Species | # of Individuals | Location | Behaviour |
|---|---|---|---|---|---|
| 36 | 24 6:00 | CAGO | 28 + 5 | *In water, agr. field near puddle, mowed lawn etc.* Ag field | *Height/direction of flight, feeding etc.* On Rest/Feed |
| 41 | 25 609 | CAGO<br>MALL | 4<br>1 | Pasture | On Rest |
| 42 | 26 6:19 | CAGO | 6 | Pasture | On Feed |
| 37 | 27 6:21 | RBME<br>BUFF | 1<br>6 | on lake/bay | On Rest |
| 17 | 28 6:35 | RBME<br>BUFF<br>GADW<br>COGO | 7<br>4<br>1<br>7 | on bay | On Rest |
| 29 | 29 6:46 | BUFF<br>RBME | 28<br>29 | on bay | On Rest |
| 18 | 30 6:54 | CAGO<br>MALL | 160 + 80<br>1 | Pasture | On Rest |
| 30 | 31 7:03 | BUFF<br>RBME | 2<br>8 | on bay | On Rest |
| 31 | 32 7:16 | CAGO<br>MALL | 2<br>2 | fallow field | On CAGO Nest on Mound in pond other CAGO chasing away the MALL's |
| 1 | 33 7:40 | MALL | 2 | Ag Field/Puddle | On Feed |

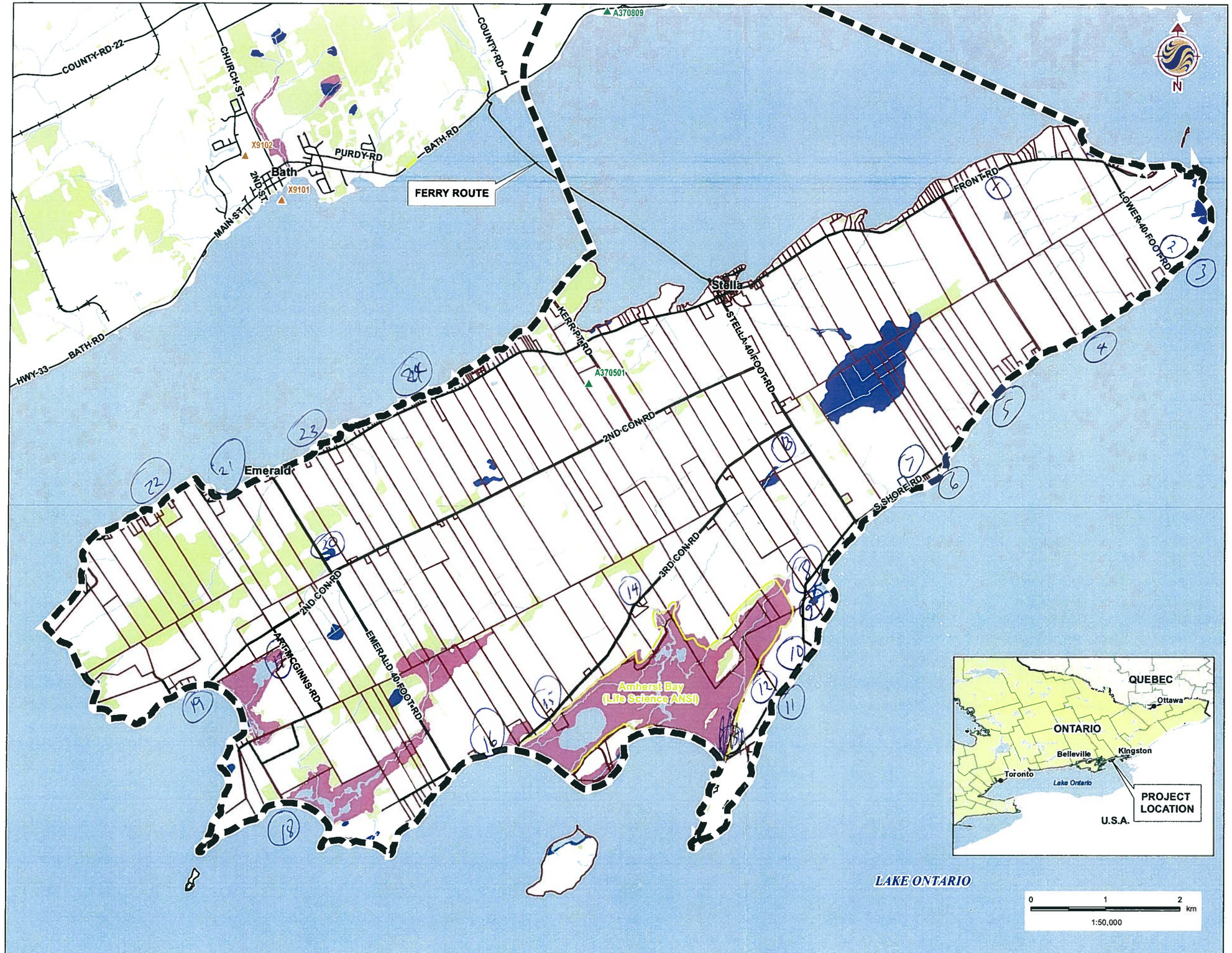
Quality Control: This form is complete (✓) & legible (✓).

Signature: Matthew (Field Personnel)

Signature: Kathrin Sh (Project Manager)



REV: May, 07 Form 010




## Legend

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- Active Landfill
- Closed Landfill
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

## Notes

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DRAFT

Title
**STUDY AREA**

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Revised on: 2011-04-05 By: pworsell

**Stantec Consulting Ltd.**
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Waterfowl Migration Observation Form

Project Number: 160960595 Project Name: AMHERST IS

Date: MAY 11, 2011 Field Personnel: STAMP & GRAHAM

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20°C | E1 | 0 | 0 | 0 |

| | Flock No. | Time | Species | No. of Individuals | Location (e.g. in water, agr. field near puddle, mowed lawn, etc.) | Behaviour (i.e. height/direction of flight, feeding, etc.) |
|---|---|---|---|---|---|---|
| 3 | 1 | 331 | CAGO | 4 | AG. FIELD | WALKING WITH YOUNG |
| 20 | 2 | 338 | " | 4 | " " | WALKING. |
| 19 | 3 | 343 | LTDU<br>GADW<br>MALL<br>RBME | ~~3~~10<br>2<br>~~3~~3<br>~~3~~11 | OFF SHORE | FEEDING |
| 8 | 4 | 351 | MALL<br>RBME<br>GADW | 2<br>3<br>1 | " | " |
| 7 | 5 | 354 | DUCK<br>RBME<br>MALL | ~~3~~9<br>~~3~~10<br>2 | " | SWIMMING |
| 5 | 6 | 401 | MALL<br>GADW<br>RBME | ~~3~~6<br>2<br>~~3~~8 | " | " |
| 32 | 7 | 405 | CAGO | 4 | AG. FIELD | WALKING. |
| 33 | 8 | 409 | " | ~~8~~<br>20 | ~~CAGO~~ " | GRAZING |
| 33 | 9 | 412 | "<br>MALL | ~~3~~20<br>2 | " | RESTING |
| 14 | 10 | 415 | CAGO | 8 | " | " |

Signature: Dan Graham (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathrin [illegible] (Project Manager)

REV: 2011-05-05 / FORM 010b

***Other Bird Species***

Please record any flock behavior (i.e. gulls, crows, blackbirds), raptors or any significant species.

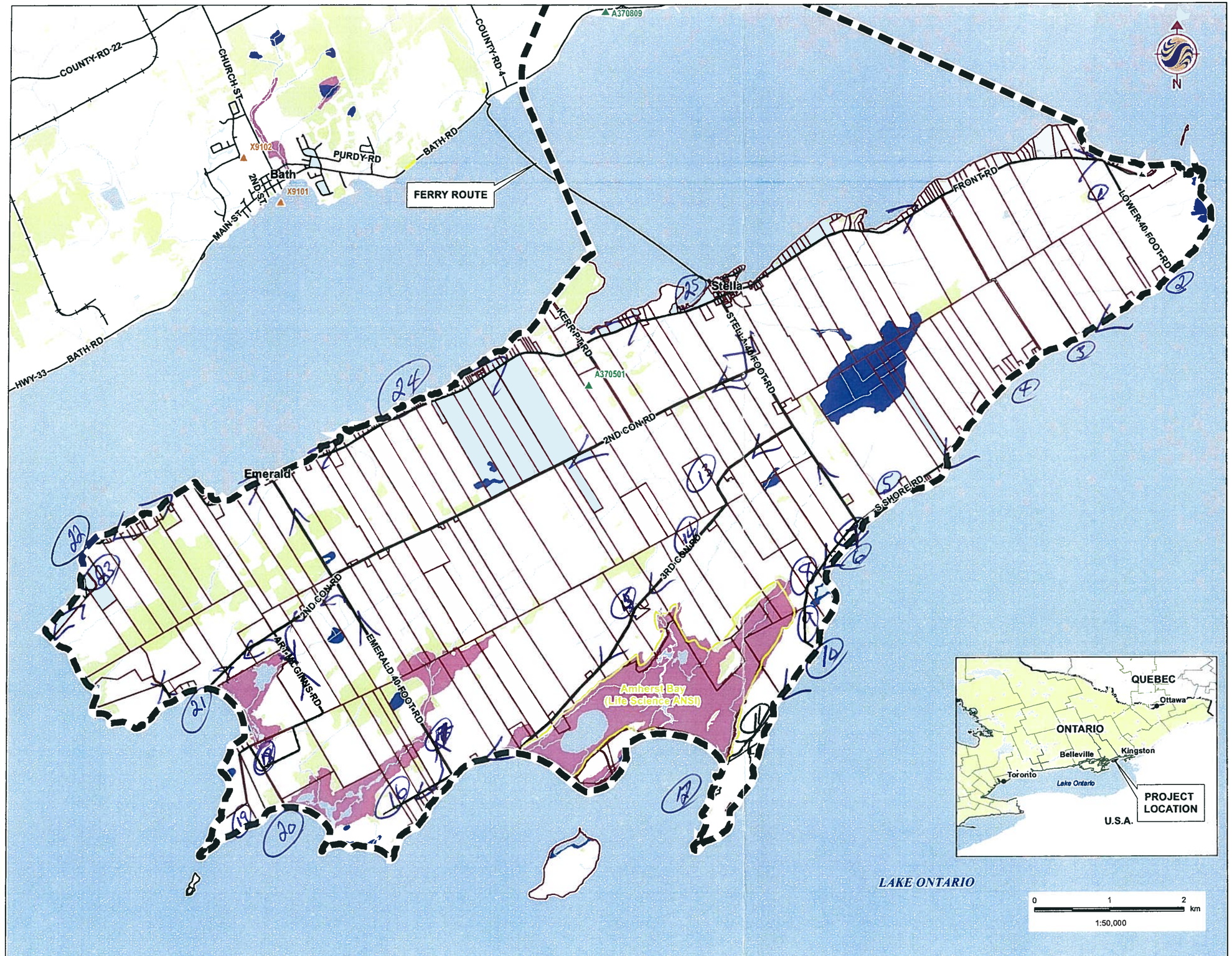
| | Species | No. of Individuals | Location (e.g. in water puddle, agr. field near puddle, mowed lawn, etc.) | Behaviour (i.e. height/direction of flight, feeding, etc.) |
|---|---|---|---|---|
| 15 11 | COGO<br>RBME<br>BUFF<br>GADW | 7<br>20<br><br>6 | OFFSHORE | SWIMMING. |
| 4 12 | CAGO | 10 | LAWN + PASTURE | GRAZING |
| 1 13 | CAGO | 4 | AG. FIELD | RESTING |
| 12 14 | CAGO | 14 | " " | GRAZING |
| 15 28 | CAGO<br>MALL | 2<br>4 | "<br>" | GRAZING<br>FLYING – CHASING @ 0 to 10m |
| 16 16 | CAGO | 20 | " | RESTING |
| 4 17 | CAGO | 8A<br>10 BABIES | STREAMSIDE | FEEDING. |
| 17 18 | RBME | 3 | OFFSHORE | " |
| 7 19 | RBME | 15 | " | " |
| 11 20 | CAGO | 2 | AG. FIELD | " |
| 9 21 | RBME 551pm | 22 | OFFSHORE | " |
| 22 5 | LTDU<br>RBME<br>COLO<br>MALL (600pm) | 7<br>14<br>1<br>2 | "<br><br><br> | "<br><br><br> |
| 23 | COME<br>RBME<br>MALL | 2<br>11<br>1 | "<br>"<br>" | "<br>"<br>" 608pm |
| 30 24 | RBME | 14 | " | " |
| 25 NA | RBME<br>MALL | 3<br>3 | "<br>" | " |

Quality Control: This form is complete ☑ & legible ☑

**Signature:** _____ (Field Personnel)

**Signature:** _____ (Project Manager)

REV: 2011-05-05 / FORM 010b




## Legend

- Study Area
- Active Landfill
- Closed Landfill
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

WATERFOWL MIGRATION

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
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April 2011
160960595

Client/Project
Client
Title
Project

Figure No.
DRAFT

Title
**STUDY AREA**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\60960595_FieldMapOverview_20110413.mxd
Revised on: 2011-04-05 By: gwoseli

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# Waterfowl Migration Observation Form

Project Number: 160960595
Project Name: AMHERST IS.
Date: MAY 17, 2011
Field Personnel: STAMP & HESLOP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 12°C | E · 4 | 95% | 0-2 | RAIN |

| | Flock No. | Time | Species | No. of Individuals | Location (e.g. in water, agr. field near puddle, mowed lawn, etc.) | Behaviour (i.e. height/direction of flight, feeding, etc.) |
|---|---|---|---|---|---|---|
| 20 | 1 | 14:40 | MALL | 2 | IN WATER IN PASTURE | Resting |
| 19 | 2 | 14:42 | BUFF | 1 | IN WATER | " |
| 19 | 2 | 14:43 | RBME | 2 | " | " |
| 19 | 2 | " | LTDU | 1 | " | " |
| 8 | 3 | 14:49 | RBME | ~~2~~ | " | " |
| 8 | 3 | 14:50 | LTDU | 13 | " | " |
| 7 | 4 | 14:58 | RBME | 16 | " | Feeding |
| 7 | 4 | 14:59 | CAGO | 2 | Ag. Field | Flying E. |
| 7 | 4 | 14:60 | LTDU | 2 | ON WATER | Resting |
| 4 | 5 | 15:05 | CAGO | 6 | Ag. Field | Feeding |

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.
Signature: (Project Manager)

REV: 2011-05-05 / FORM 010b

***Other Bird Species***
Please record any flock behavior (i.e. gulls, crows, blackbirds), raptors or any significant species.

| | Species | No. of Individuals | Location (e.g. in water puddle, agr. field near puddle, mowed lawn, etc.) | Behaviour (i.e. height/direction of flight, feeding, etc.) |
|---|---|---|---|---|
| 6 (21) | RBME 15:12 | 8 | IN WATER | Feeding |
| 7 (+) | CAGO " | 16 | IN PASTURE | ✓ |
| 7 | MALL " | 4 | IN WATER/POND | Resting |
| 7 | NSHO " | 2 | ✓ IN LAWN | ✓ |
| 8 (33) | CAGO 15:15 | 6 | IN Field/PASTURE | Feeding |
| 9 (+) | ✓ 15:18 | 53 | " " | ✓ (INCL. 12 YNG) |
| 9 (14) | MALL " | 2 | " " | ✓ |
| 9 (14) | SNGO | 2 | " " | ✓ |
| 10 (15) | RBME 15:22 | 3 | IN WATER | ✓ |
| 10 (15) | LION ✓ | 3 | ✓ | ✓ |
| 11 (10) | CAGO 15:25 | 4 | IN AG. Field | ✓ (INCL 2 YNG) |
| 12 (19) | RBME 15:29 | 8 | IN WATER | ✓ |
| 13 (1) | MALL 15:40 | 2 | OVER Woodlot | FLYING WEST |
| 14 (12) | CAGO 15:44 | 6 | AG. Field | RESTING |

Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: (Project Manager)

(2)(4)

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# Waterfowl Migration Observation Form

Project Number: 160960595 Project Name:

Date: 17 May/11 Field Personnel:

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: 2 | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

| | Flock No. | Time | Species | No. of Individuals | Location (e.g. in water, agr. field near puddle, mowed lawn, etc.) | Behaviour (i.e. height/direction of flight, feeding, etc.) |
|---|---|---|---|---|---|---|
| 12 | 15 | 15:45 | CAGO | 18 | Ag. Field | Feeding |
| 36 | 16 | 15:55 | ✓ | 50 | ✓ | ✓ |
| 41 | 17 | 15:57 | ✓ | 6 | ✓ | ✓ |
| 42 | 18 | 16:11 | ✓ | 2 | ✓ | ✓ |
| 37 | 19 | 16:13 | ✓ | 28 | ✓ | ✓ INCL 2 YNG |
| 37 | 20 | 16:18 | RBME | 51 | ON WATER | ✓ |
| 17 | 21 | 16:27 | ✓ | 8 | ✓ | ✓ |
| 18 | 22 | 16:40 | ✓ | 15 | ✓ | ✓ |
| 18 | 22 | ✓ | MALL | 1 | ✓ | ✓ |
| 18 | 22 | ✓ | BUFF | 1 | ✓ | ✓ |

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

3 A 4

REV: 2011-05-05 / FORM 010b

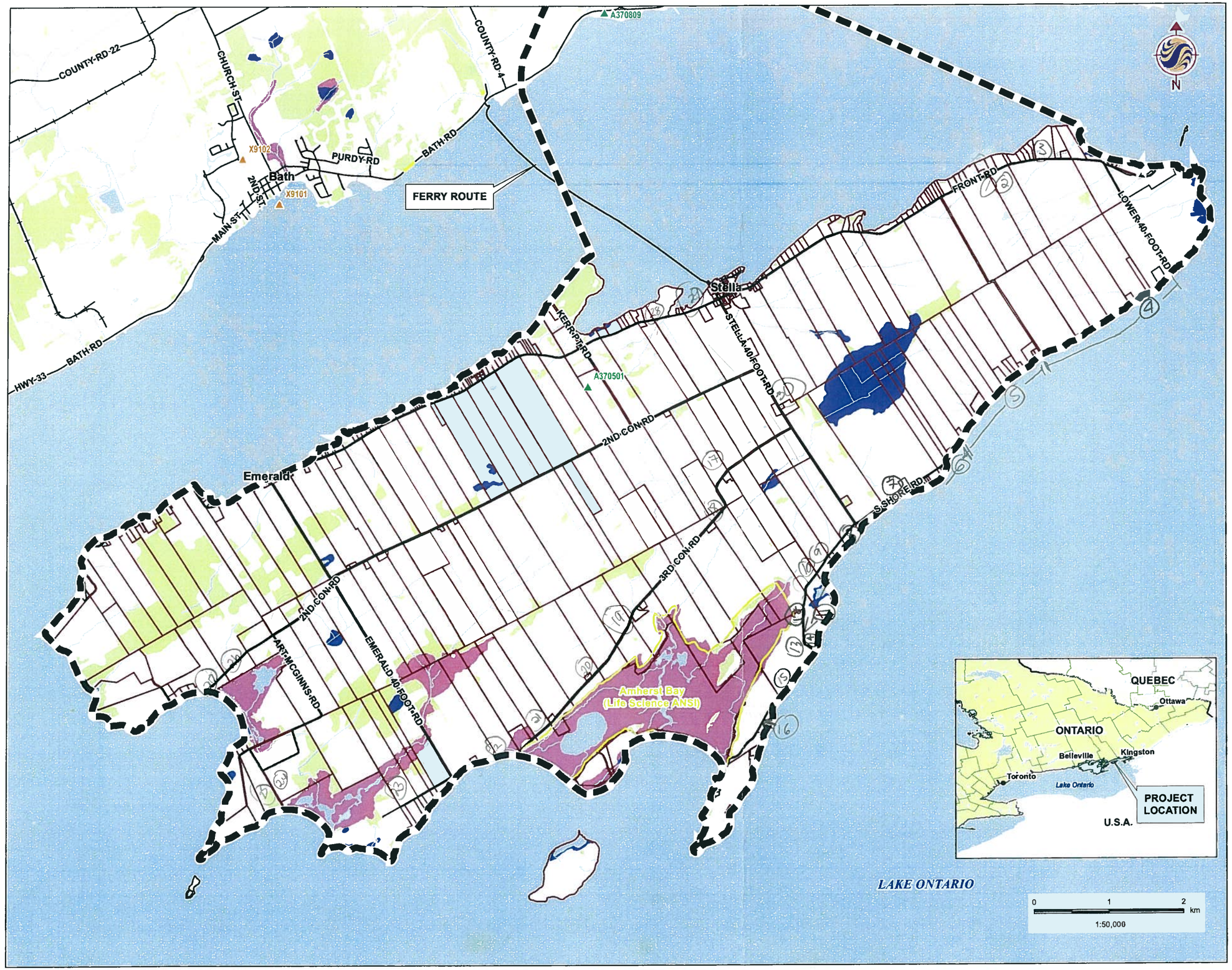
***Other Bird Species***
Please record any flock behavior (i.e. gulls, crows, blackbirds), raptors or any significant species.

| Species | No. of Individuals | Location (e.g. in water puddle, agr. field near puddle, mowed lawn, etc.) | Behaviour (i.e. height/direction of flight, feeding, etc.) |
|---|---|---|---|
| 23 CAGO 15:42 | 6 | AG Field | Resting |
| 24 COGO 16:50 | 9 | ON WATER | ✓ |
| 25 RBME | 7 | ✓ | ✓ |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Signature: Robert Stanley (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)




## Legend

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- Unevaluated Wetland
- PSW
- ANSI Boundary

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
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April 2011
160960595

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Client
Title
Project

Figure No.
DRAFT

Title
**STUDY AREA**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\60960595_FieldMapOverview_20110413.mxd
Revised on: 2011-04-05 By: gwoose\j

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# Waterfowl Migration Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: May 7-5/11

Field Personnel: Matthew Ross + Don Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20° | 3 | 5% | None | None |

Start Time: 11:35 am

End Time: 2:59

Total KM Driven:

| | Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|---|
| 3 | 1 | 1144 | CAGO | 16 | Pasture | feed On |
| 3 | 2 | 1146 | MALL | Pair | Pasture | feed On |
| 3 | 3 | 1148 | BLDU | 1 | Pond | Rest On |
| 19 | 4 | 1200 | MALL<br>GADW | 2<br>Pair | lake ON | Rest On |
| 78 | 5 | 1231 | GADW | Pair | " | Rest On |
| 6 | 6 | 1242 | CAGO | Pair w ~20 young | " | Rest On |
| 32 | 7 | 1246 | CAGO | 9 w 15 young | Pasture | Feed On |
| 4 | 8 | 1248 | CAGO<br>MALL | 7<br>2 | Pasture / Fallow | Feed / Rest On |
| 33 | 9 | 1250 | CAGO | 5 | Pasture / Fallow | Rest On |
| 33 | 10 | 1251 | MALL | Pair | Pasture | feed On |
| 13 | 11 | 1253 | CAGO | Pair | fly over Pasture | 10m SW |
| 14 | 12 | 1255 | CAGO | Pair | Pasture / Fallow | On Feed |
| 14 | 13 | 1257 | CAGO | 18 | Pasture | On feed |
| 15 | 14 | 1257 | CAGO | 10 | | |
| 10 | 15 | 1:00 | CAGO | Pair w 1 young<br>Pair w 6 young | Res / lawn | On feed |
| 10 | 16 | 1:02 | CAGO | 12 | Cultural Meadow | On Rest |

Quality Control: This form is complete ☑ & legible ☑.

1 of 3

Signature: (Field Personnel)

Signature: Kathrin Sm (Project Manager)

REV: 2011-05-18 / FORM 010-c

***Other Bird Species***

Please record any flock behavior (i.e. gulls, crows, blackbirds), raptors or any significant species.

| | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|
| (7) 1:19 11 | CAGO | 6 | Pasture | On feed |
| (8) 1:25 1 | CAGO | 7 | Fallow Field | On, resting |
| (19) 1:28 12 | CAGO | 12 | Fallow Field | On, resting |
| (20) 1:31 28 | CAGO | 13 | Hay Field | Resting & feeding |
| (21) 28 1:33 | CAGO | 2 | Hay field | Resting & feeding |
| (22) 16 1:35 | CAGO | 25 | Fallow Field | Resting |
| (23) 1:39 36 | CAGO | 120 | Clover field | Resting |
| (24) 1:39 36 | MALL | 1 | " | Resting |
| (25) 1:53 42 | CAGO | 10 | Pasture | Resting |
| (25) 1:54 42 | CAGO | 10 | Pasture | Resting |
| (26) 2:07 42 | MALL | 1 | Flying over fallow land from marsh to south | Flying @ 10m up |
| (27) 7 2" | WODU | 4 | Open water in marsh | Resting |
| (27) 7 2" | CAGO | 3 | Pasture & wetland. | Flying towards lake @ 8m↑ |
| (28) 7 2:37 | CAGO | 27 | Pasture | Feeding |
| | MALL | 3 | Lakeshore | Resting |
| (29) 27 2:40 | GADW | 2 | " | " |

2 of 3 **Signature:** _____ (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** _____ (Project Manager)

REV: 2011-05-18 / FORM 010-c

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# Waterfowl Migration Observation Form

Project Number:

Project Name:

Date: May 25/2011 See Page 1

Field Personnel: M. Ross & D. Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

**Start Time:**

**End Time:**

**Total KM Driven:**

| Flock No. | Time | Species | No. of Individuals | Location (e.g. agr. field near puddle, shoreline, etc.) | Behaviour (i.e. height/direction of flight, feeding, flock behaviour, etc.) |
|---|---|---|---|---|---|
| 30 | 245 | GADW | 2 | Dug pond | Resting |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

31

Quality Control: This form is complete ☐ & legible ☐.

**Signature:** (Field Personnel)

**Signature:** (Project Manager)



REV: 2011-05-18 / FORM 010-c

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# Migratory Bird Survey Observation Form

Project Number: 1060960595

Project Name: Amherst Island Wind Project

Date / Time: Apr 27/11 6:25

Field Personnel: Matthew Ross

| Weather Conditions: | Temp: 10°C | Wind: 3 | Cloud: 95% | PPT: None | PPT in last 24 hrs: Rain |
|---|---|---|---|---|---|

Site 5

Start Time: 6:25

Start Point UTM: 0369655 4893142

End Time: 6:38

End Point UTM: 0369929 4892717

Habitat: Pasture / Alvar / Meadow Marsh

| Species | Tally |
|---|---|
| TRES | X 20 + 20 |
| RWBL | X 20 + 20 |
| BRTH | I |
| COGR | ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ |
| SAVS | ~~IIII~~ I |
| AMRO | ~~IIII~~ |
| SOSP | I |
| AMCR | II |
| WTSP | I |

Quality Control: This form is complete (✓) & legible (✓).

Signature: (Field Personnel)

Signature: (Project Manager)

Page 1 of 1

REV: May, 07

FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Wind Project

Date / Time: Apr 27/11 11:06

Field Personnel: Matthew Ross

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 15° | 3 | 45% | None | Rain |

Site 2

Start Time: 11:06 End Time: 11:32

Start Point UTM: 363002 4891599 End Point UTM: 362835 4891139

**Habitat:** Meadow Marsh / Oak-Maple woodlot

| Species | Tally |
|---|---|
| SOSP | IIII |
| BRTH | II |
| RWBL | ~~IIII~~ ~~IIII~~ |
| AMRO | IIII |
| EAME | I |
| AMCR | II |
| WTSP | III |
| FISP | I |
| YEWA | I |
| RCKI | I |
| NOFL | I |

Quality Control: This form is complete (✓) & legible (✓).

Signature: (Field Personnel)

Signature: (Project Manager)



REV: May, 07 FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island Wind Project

Date / Time: Aug 27 /11 10:00

Field Personnel: Matthew Ross

| Weather Conditions: | Temp: 15 | Wind: 3 | Cloud: 35 % | PPT: None | PPT in last 24 hrs: Rain |
|---|---|---|---|---|---|

Side (3)

Start Time: 10:01

Start Point UTM: 365151 4890599

End Time: 10:25

End Point UTM: 365540 4890918

**Habitat:** Green Ash Swamp / Dogwood Thicket

| Species | Tally |
|---|---|
| EATO | I |
| SOSP | I |
| RCKI | I |
| RWBL | ~~IIII~~ |
| MGWA | III |
| AMRO | IIII |
| GCKI | II |
| BHCO | II |
| RCCH | III |
| SWSP | III |
| COYE | I |
| WISN NEST @ 0365495 4890871 | |

Quality Control: This form is complete (✓) & legible (✓).

Signature: Matthew (Field Personnel)

Signature: Katie S (Project Manager)

Page 1 of 1

REV: May, 07

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island Wind Project

Date / Time: Apr 27/11 7:14 am

Field Personnel: Matthew Ross

| Weather Conditions: | Temp: 10 | Wind: 3 | Cloud: 80% | PPT: None | PPT in last 24 hrs: Rain |
|---|---|---|---|---|---|

Site (4)

Start Time: 7:14

Start Point UTM: 0367997 4891945

End Time: 7:35

End Point UTM: 0368272 4891526

**Habitat:** Pasture / Meadow marsh / Swamp thicket

| Species | Tally |
|---|---|
| SOSP | 𝍸 |
| TRES | 𝍸 |
| SWSP | I |
| AMRO | 𝍸 I |
| RWBL | 𝍸 𝍸 𝍸 |
| SAVS | I |
| RCKI | I |
| RHCO | I |
| BETU | 𝍸 |
| YEWA | I |
| NOFL | I |
| BRCR | I |
| AMCR | I |
| MYWA | 𝍸 II |
| PUFI | I |
| WTSP | III |
| NOWA | I |
| EUST | I |
| MODO | I |
| EATO | I |
| FISP | I |

Quality Control: This form is complete (✓) & legible (✓).

Signature: (Field Personnel)

Signature: (Project Manager)

Page 1 of 1

REV: May, 07

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Isl. Wind Project

Date / Time: Apr 27/11 8:58

Field Personnel: Matthew Ross

| Weather Conditions: | Temp: 10 | Wind: 3 | Cloud: 50% | PPT: None | PPT in last 24 hrs: Rain |
|---|---|---|---|---|---|

Site 7

Start Time: 8:58

Start Point UTM: 363211 4888886

End Time: 9:23

End Point UTM: 362990 4888452

**Habitat:** Maple / Ash woodlot / swamp creek / drainage (could not get to N side of creek - too wide / Deep)

| Species | Tally |
|---|---|
| MYWA | 14 |
| RWBL | 14 |
| BRTH | 2 |
| BATO | 1 |
| NAWA | 1 |
| AMRO | 6 |
| SOSP | 8 |
| EUST | 6 |
| BCCH | 7 |
| RNWW | 1 |
| WOTH | 2 |
| RBWO | 1 |
| WBNU | 1 |
| RNCO | 2 |
| SWSP | 1 |
| TRES | 6 |
| RCKI | 2 |
| NOFL | 2 |
| NOCA | 1 |
| WTSP | 1 |
| NOPA | 1 |
| DWA | 1 |
| BRCR | 1 |

Quality Control: This form is complete (✓) & legible (✓).

Signature: (Field Personnel)

Signature: (Project Manager)

Page 1 of 1

REV: May, 07

FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island Wind Project

Date / Time: Apr 27/11 8:04

Field Personnel: Matthew Ross

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 10 | 3 | | None | Rain |

Site 8

Start Time: 8:04

Start Point UTM: 365038 4887960

End Time: 8:25

End Point UTM: 365002 488463

**Habitat:** Green ash / Silver maple swamp

| Species | Tally |
|---|---|
| RCKI | II |
| MYWA | II |
| AMRO | IIII |
| RWBL | ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ + 50 |
| AMGO | II |
| RAWW | I |
| NAWA | I |
| TRES | ~~IIII~~ ~~IIII~~ |
| SAVS | I |
| SWSP | III |
| RUBL | II |
| DEJU | II |
| EUST | II |
| HAWO | I |
| BRCR | I |
| WTSP | ~~IIII~~ |
| SOSP | II |

Quality Control: This form is complete (✓) & legible (✓).

Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)

Page 1 of 1

REV: May, 07

FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: ~~Dorland~~ Amherst Island
Date / Time: Apr. 28th.
Field Personnel: Don Graham

| Weather Conditions: | Temp: 14 | Wind: 3 | Cloud: 100% | PPT: Rain | PPT in last 24 hrs: Rain |
|---|---|---|---|---|---|

1
363012
4896604

Start Time: 7:04
End Time: 7:21
Start Point UTM: 205
End Point UTM: 206
362829
4897069

Habitat: SWT silky dogwood / ALT red cedar / CUM

| Species | Tally |
|---|---|
| RWBL | ~~||||~~ ~~||||~~ |
| BHCO | |||| |
| EUST | |||| |
| EAME | | |
| AMRO | ||| |
| WTSP | | |
| CHSP | || |
| AMGO | | |
| COGR | ||| |
| SOSP | | |
| MALL | ~~||||~~ |
| BRTH | | |
| YEWA | | |
| | |
| | |
| Off shore @ Jim Snow Rd → COME | 1 — 7:35 - 7:40 — 363353 4896114 |
| RBME | 5 |
| DCCO | 4 |
| RBGU | 3 |
| HEGU | 1 |
| CAGO | 1 |
| Ferryside → DCCO | 5 |
| Ferry landing → DCCO | 4 |
| RBGU | 8 |

Quality Control: This form is complete (✓) & legible (✓).
Signature: Don Graham (Field Personnel)
Signature: Kathy S[illegible] (Project Manager)

Page _ of _

REV: May, 07 FORM 014

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date / Time: Apr. 27 2011

Field Personnel: Dan Graham

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 12 | 1 | 80 | None | Rain |

#6
367789
4891047

Start Time: 6:27
Start Point UTM: 194

End Time: 6:57
End Point UTM: 195
367485
4891458

Habitat: CUT

| Species | Tally |
|---|---|
| HOWR | I |
| SASP | 卌 卌 |
| BCCH | III |
| CHSP | II |
| RWBL | 卌 卌 卌 +10 +10 |
| EVST | 卌 II |
| WTSP | 卌 IIII +10 |
| TRSW | 卌 II |
| SHCO | 卌 卌 |
| AMRO | 卌 |
| DEJU | 卌 II |
| NOFL | 卌 I |
| COLO | I |
| SOVI | II (Flying over) |
| RCKI | 卌 卌 II |
| YRWA | 卌 I |
| AMCR | I |
| GCKI | I |
| YEWA | II |
| RN Pheasant | II |
| BRTH | II |
| BRCR | I |
| EAPO | I |
| COYE | I |
| HETH | I |
| BEKI | II |
| FISP | I |
| COGR | I |
| NRSW | II |
| MAPO | III |

Quality Control: This form is complete (✓) & legible (✓).

Signature: Dan Graham (Field Personnel)

Signature: Kathi S (Project Manager)

Page _ of _

REV: May, 07 FORM 014

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Fax: (519) 836-2493

# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date / Time: Apr. 27, 2011

Field Personnel: D. Graham

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 12°c | 1 | 80 % | / | Rain |

#13
360099
4890398

Start Time: 8:02

Start Point UTM: 196

End Time: 8:21

End Point UTM: 197

360376
4889944

**Habitat:** SWT - silky dogwood dom to west of transect
pasture to east of transect

| Species | Tally |
|---|---|
| SOSP | ~~IIII~~ II |
| SWSP | II |
| AMRO | ~~IIII~~ |
| SASP | ~~IIII~~ |
| EAME | ~~IIII~~ |
| COSN | II |
| AMCR | IIII |
| BHCO | ~~IIII~~ I |
| RWBL | ~~IIII~~ |
| MALL | ~~IIII~~ |
| CHSP | I |
| AMKE | I |
| NOHA | I |
| NOFL | III |
| BRTH | I |
| EUST | I |
| CAGO | III |
| FISP | I |
| AMGO | I |
| YEWA | I |

Quality Control: This form is complete (✓) & legible (✓).

Signature: Don Graham (Field Personnel)

Signature: Kathy S (Project Manager)



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Fax: (519) 836-2493

# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date / Time: April 27, 2011

Field Personnel: D. Graham

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 12°c | 1 | 80% | / | Rain |

9

358445
4889050

Start Time: 8:47

Start Point UTM: 197

End Time: 9:17

End Point UTM: 198

358713
4888587

**Habitat:** Red cedar treed alvar / green ash SWD

| Species | Tally |
|---|---|
| BRTH | II |
| RCKI | III |
| SOSP | III |
| NOCA | IIII |
| AMRO | III |
| BCCH | ~~IIII~~ |
| TRSW | II |
| VIRA | I |
| COSN | II |
| BPVA | I |
| HMCR | IIII |
| EAKI | II |
| WTSP | II |
| GBHE | I |
| COGR | ~~IIII~~ II |
| SWSP | I |
| CHGO | II |
| RWBL | ~~IIII~~ ~~IIII~~ ~~IIII~~ |
| BASW | II |
| VIRA | III |
| EAPH | I |

SAM has potential for wetland birds & turtles. ≈ 3 ha. cattail SAM with some open water. VIRA, SWSP, COSN heard.

2 Upland Sandpipers in field to south

Pekay's snake seen alive on road.

Quality Control: This form is complete (✓) & legible (✓).

Signature: Don Graham (Field Personnel)

Signature: Kristin Stanek (Project Manager)



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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date / Time: Apr. 27

Field Personnel: D. Graham

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 12 | 1 | 80 | / | Rain |

12
357786
4887691

Start Time: 11:05

End Time: 11:33

Start Point UTM: 201

End Point UTM: 202

Habitat: SWD - ash & SWT - silky dogwood

357290
4887763

| Species | Tally |
|---|---|
| BRTH | II |
| FISP | III |
| YRWA | ~~IIII~~ ~~IIII~~ II |
| NOHA | I |
| RCKI | I |
| AMRO | III |
| EATO | IIII |
| SOSP | ~~IIII~~ |
| BLJA | III |
| COSU | I |
| WBNU | I |
| HAWO | I |
| EUST | II |
| PIWO | II |
| TRSW | II |
| BCCH | I |
| BHCO | I |

Quality Control: This form is complete (✓) & legible (✓).

Signature: Don Graham (Field Personnel)

Signature: Kathy S (Project Manager)

Page _ of _

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date / Time: Apr 27, 2011

Field Personnel: D. Graham

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 20 | 1 | 50 | None | |

10
358490
4886422

Start Time: 11 59

Start Point UTM: 203

End Time: 12 31

End Point UTM: 204

358433
4885948

Habitat: SWD

| Species | Tally |
|---|---|
| AMRO | 𝍸 𝍸 |
| COSN | II |
| SOSP | III |
| YRWA | 𝍸 II |
| WISP | I |
| YBSA | I |
| BCCH | 𝍸 II |
| RWBL | I |
| NOFL | III |
| BBCR | III |
| BTWA | I |
| HOWR | I |
| EUST | 𝍸 |
| BLJA | II |
| DOWO | I |
| TRSW | III |
| BHCO | |
| PAWA | I |
| AMWO | I |
| | 3 garter snakes |

Quality Control: This form is complete (✓) & legible (✓).

Signature: Don Graham (Field Personnel)

Signature: Katrin Sz (Project Manager)

Page _ of _

REV: May, 07 FORM 014

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Guelph, Ontario, Canada
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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date / Time: April 27, ~~2014~~ 2011

Field Personnel: D. Graham

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 15 | 0 | 20% | None | Rain |

~~10~~ 11

Start Time: 9:41

359633
4887086

Start Point UTM: 199

End Time: 10:19

End Point UTM: 200

359977
4887470

Habitat:

| Species | Tally |
|---|---|
| WBNU | III |
| AMRO | ~~IIII~~ IIII |
| SOSP | III |
| CASN | II |
| AMCR | II |
| EUST | ~~IIII~~ III II |
| HWO | I |
| BCCH | ~~III~~ |
| AMWO | I |
| DOWO | II |
| BAWA | I |
| TRSW | I |
| NOFL | II |
| YBSA | III |
| BBCA | II |
| YRWA | I |
| RUBL | II |
| RTHA | I |
| WOOD | III |
| BCKI | I |
| GHOW | I |
| AMGO | I |
| BLJA | I |

(on nest @ 359940 4887440 - In silver maple SWD 1 15 m from edge) 12 m ↑ in silver maple main crotch.

Garter snake in field

Quality Control: This form is complete ~~(✓)~~ & legible (✓).

Signature: (Field Personnel)

Signature: (Project Manager)

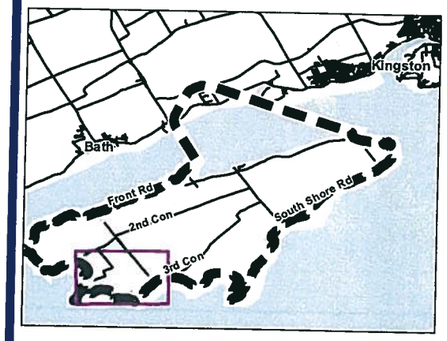


REV: May, 07 FORM 014

5 LE IE
in flooded field.

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client/Project
Client
Title
Project

Figure No.
Tile 9

Title
**FIELD MAPBOOK**

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Revised on: 2011-04-15 By: pworsell

**Legend**

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

## Notes

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Client
Title
Project

Figure No.
Tile 10

Title
**FIELD MAPBOOK**

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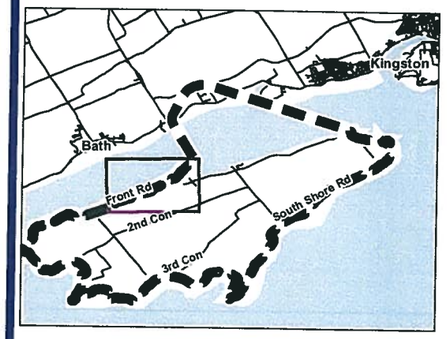
Revised on: 2011-04-15 By: pworsell

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client/Project
Client
Title
Project

Figure No.
Tile 11

Title
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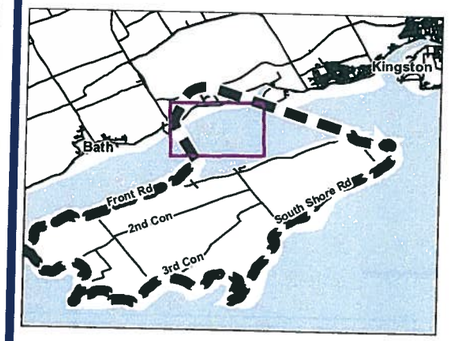
Revised on: 2011-04-15 By: pworsell

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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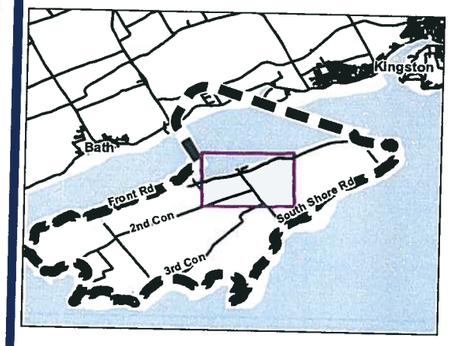
Client/Project
Client
Title
Project

Figure No.
Tile 2

Title
**FIELD MAPBOOK**

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client
Title
Project

Figure No.
Tile 3

Title
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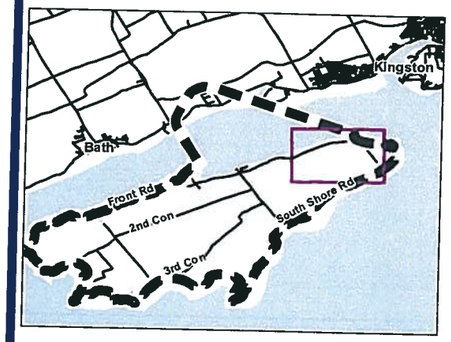
Revised on: 2011-04-15 By: pworsell

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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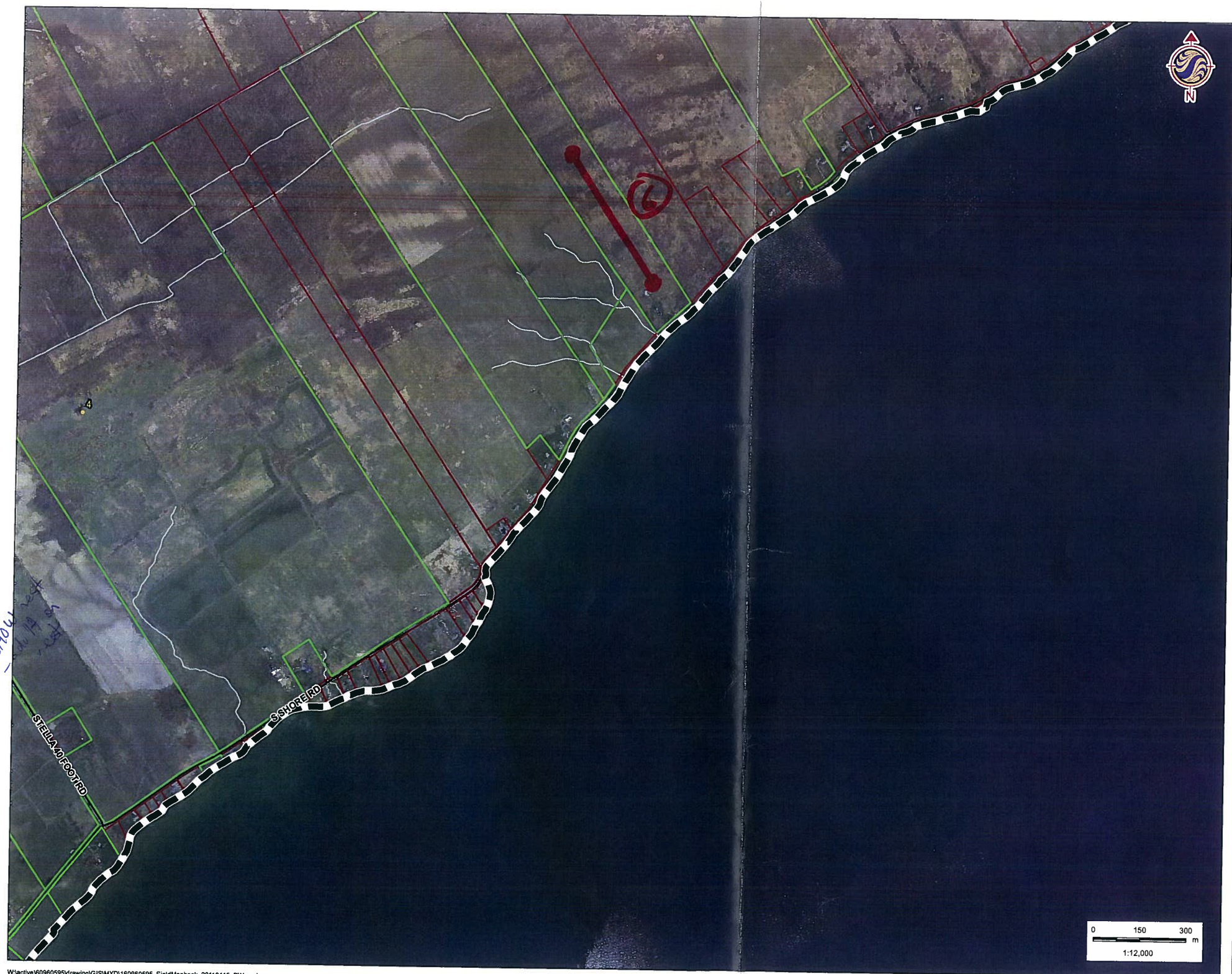
Client/Project
Client
Title
Project

Figure No.
Tile 4

Title
**FIELD MAPBOOK**

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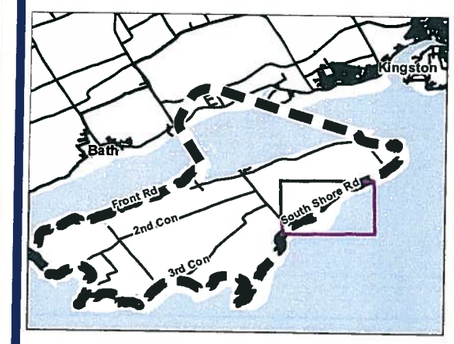
Revised on: 2011-04-15 By: pworsell

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client/Project
Client
Title
Project

Figure No.
Tile 5

Title
**FIELD MAPBOOK**

2ND CON RD

3RD CON RD

STELLA 40 FOOT RD

S SHORE RD

transect walked

1

8

6

5

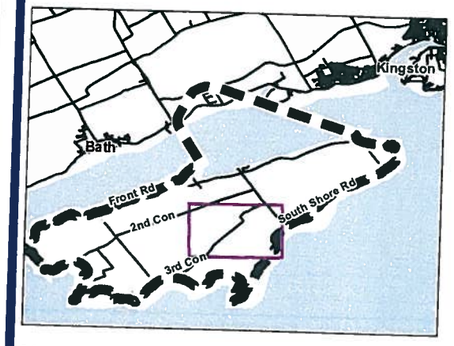
N

0 150 300 m

1:12,000

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client
Title
Project

Figure No.
Tile 6

Title
**FIELD MAPBOOK**

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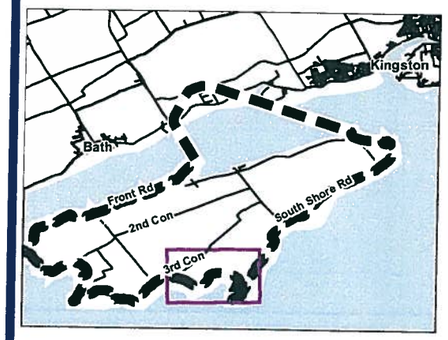
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client/Project
Client
Title
Project

Figure No.
Tile 7

Title
**FIELD MAPBOOK**

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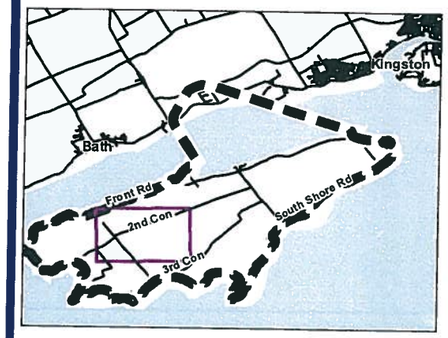
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client/Project
Client
Title
Project

Figure No.
Tile 8

Title
**FIELD MAPBOOK**

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Tel: (519) 836-6050
Fax: (519) 836-2493

# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date / Time: May 4, 2011

Field Personnel: D. Graham

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 6 | 0 | 100% | / | Rain |

11
359695
4887079

Start Time: 937

Start Point UTM: 223

End Time: 1029

End Point UTM: 224
360024
4887468

Habitat:

| Species | Tally |
|---|---|
| AMRO | ~~IIII~~ IIII |
| SOSP | II |
| BLJA | I |
| BCCH | I |
| AMCR | I |
| WBNU | IIII |
| TRSW | ~~IIII~~ II |
| NOFL | III |
| YBSS | I |
| RBGR | II |
| HOWR | I |
| BRCR | IIII |
| WOPU | I |
| EUST | IIII |
| GHOW | I (on nest) |
| SWSP | I |
| BAOW | III |
| COYE | I |
| DOWO | I |
| AMA | I |

Quality Control: This form is complete (✓) & legible (✓).

Signature: (Field Personnel)

Signature: (Project Manager)

Page _ of _

REV: May, 07

FORM 014

Stantec Consulting Ltd.
70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date / Time: May 4, 2011 6:00

Field Personnel: Don Graham

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 6 | 0 | 100 | None | Rain |

10.

Start Time: 6:00

End Time: 6:45

Start Point UTM: As before.

End Point UTM: As before

Habitat: SWD - green ash & Freeman's maple

| Species | Tally |
|---|---|
| HOWR | II |
| AMRO | ~~IIII~~ II |
| SOSP | III |
| RTHA | I |
| DOWO | III |
| BHCO | II |
| EUST | ~~IIII~~ ~~IIII~~ |
| BLJA | III |
| RBGR | I |
| BCCH | IIII |
| WBTH | III |
| AMCR | I |
| WBNU | II |
| NOFL | IIII |
| TRSW | II |
| PIWO | I |
| RBWO | I |
| YRWA | II |
| BRTH | I |
| WTSP | I |

Quality Control: This form is complete (✓) & legible (✓).

Signature: Don Graham (Field Personnel)

Signature: Kathi Sm (Project Manager)

Page _ of _

REV: May, 07

FORM 014

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70 Southgate Drive
Guelph, Ontario, Canada
N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amhurst Island

Date / Time: May 4, 2011

Field Personnel: D. Graham

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 6 | 0 | 100% | / | Rain |

12

Start Time: 7:26

End Time: 8:01

Start Point UTM: 219 357605 4887941

End Point UTM: 220 357113 4887825

Habitat: SWT - silky dogwood

| Species | Tally |
|---|---|
| AMRO | ~~IIII~~ |
| BLJA | ~~IIII~~ |
| DOWO | I |
| WBNU | I |
| EOST | ~~IIII~~ I |
| EATO | IIII |
| RBGR | I |
| NOFL | I |
| BHCO | III |
| BRTH | II |
| BOSO | ~~IIII~~ I |
| RUBL | II |
| COYE | I |
| SWSP | I |
| AMCR | III |
| WTSP | III |
| FISP | ~~IIII~~ |
| RWBL | II |
| BCCH | III |

Quality Control: This form is complete (✓) & legible (✓).

Signature: Don Graham (Field Personnel)

Signature: Kathrin Son (Project Manager)

Page _ of _

REV: May, 07 FORM 014

Stantec Consulting Ltd.
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N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Migratory Bird Survey Observation Form

Project Number: 160960595 Project Name: Amherst Island

Date / Time: May 4, 2011 Field Personnel: D. Graham

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 6 | 0 | 100 | / | Rain |

9

Start Time: 8:30 End Time: 9:20

Start Point UTM: 221 358638, 4888606 End Point UTM: 222 358321 4889044

Habitat: SWD - green ash

| Species | Tally |
|---|---|
| SOSP | ~~IIII~~ I |
| EAIO | IIII |
| COSN | II |
| RWBL | ~~IIII~~ II |
| BLJA | ~~IIII~~ |
| BHCO | III |
| TRSW | I |
| AMRO | ~~IIII~~ I |
| NOCA | III |
| COGR | I |
| FISP | II |
| BRTH | III |
| BCCH | ~~IIII~~ |
| CHSP | II |
| RTHA | I |
| BTGW | II |
| WTSP | III |
| AMCR | III |
| NAWA | I |
| HOWR | I |
| RCKI | III |
| MODO | II |

Quality Control: This form is complete (✓) & legible (✓).

Signature: Don Graham (Field Personnel) Signature: [illegible] (Project Manager)

Page _ of _ REV: May, 07 FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date / Time: May 4, 2011

Field Personnel: D. Graham

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 6 | 0 | 100% | / | Rain |

13

360108
4890394

Start Time: 11:15

Start Point UTM: 225

End Time: 11:45

End Point UTM: 226

Habitat: SWT-silky dogwood & Spiraea

360380
4889927

| Species | Tally |
|---|---|
| SOSP | ~~\|\|\|\|~~ \|\|\| |
| COYE | \| |
| RWBL | ~~\|\|\|\|~~ \| |
| YEWA | ~~\|\|\|\|~~ \| |
| AMGO | \| |
| COSN | \| |
| AMRO | \|\| |
| CCSP | \| |
| BHCO | \|\| |

Bobolinks in grassy areas east & north of transect.

Quality Control: This form is complete (✓) & legible (✓).

Signature: Dave Graham (Field Personnel)

Signature: Kathrin [illegible] (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: 160960595 Project Name: Amherst Island

Date / Time: May 4, 2011 6:00 AM - 1:00 PM Field Personnel: Don Graham

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 6 | 0 | 100% | None | Rain |

6

367755
4891022

Start Time: 12:10 End Time: 12:53

Start Point UTM: 227 End Point UTM: 228

Habitat: CUW - A. elm dominates

367498
4891457

| Species | Tally |
|---|---|
| AMRO | 𝍸 I |
| BHCO | 𝍸 I |
| COGR | 𝍸 II |
| AWBL | 𝍸 𝍸 𝍸 II |
| EUST | III |
| GRCA | III |
| HOWR | I |
| DOWO | I |
| YEWA | 𝍸 I |
| AMCR | I |
| RNPH | II |
| NAFL | II |
| SOSP | 𝍸 𝍸 |
| BCCH | II |
| Green Heron | I |
| EATO | II |
| EAKI | II |
| COHA | I |
| NOHA | I |
| TRSW | 𝍸 I |
| COSN | II |
| COYE | II |
| SWSP | I |
| HAWO | I |

Quality Control: This form is complete (✓) & legible (__).

Signature: Don Graham (Field Personnel) Signature: Kathrin [illegible] (Project Manager)

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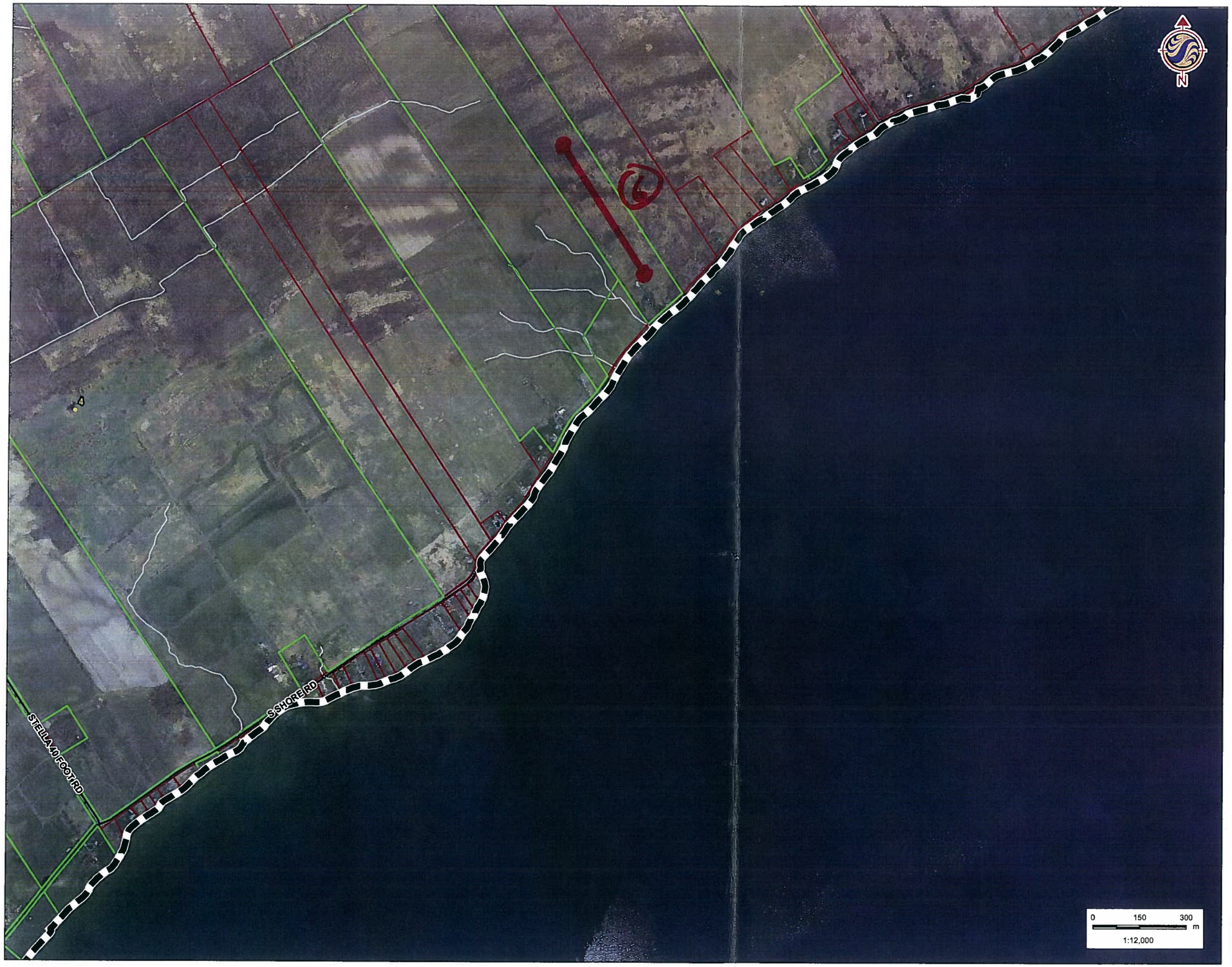
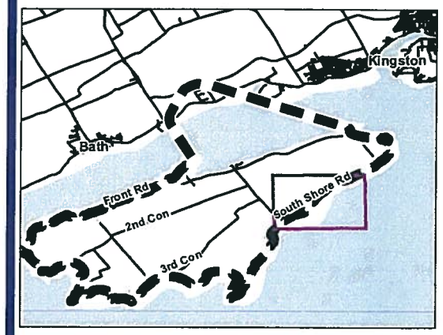



## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client
Title
Project

Figure No.
Tile 5

Title
**FIELD MAPBOOK**

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**Legend**

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Tile 10

Title
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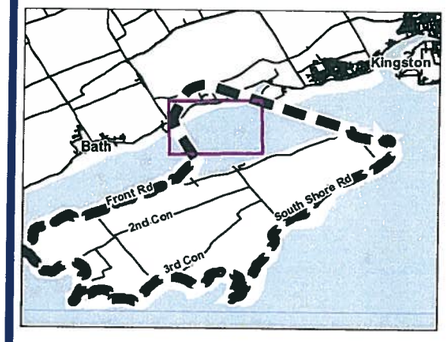
Revised on: 2011-04-15 By: pworsell

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client
Title
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Tile 2

Title
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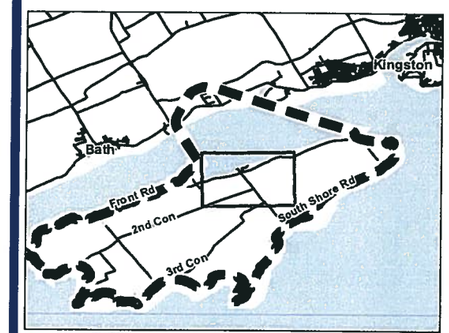
Revised on: 2011-04-15 By: pworsell

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Title
Project

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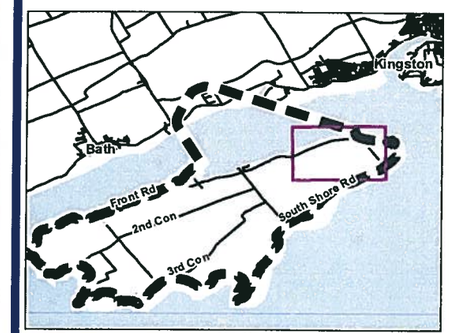
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Title
Project

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Title
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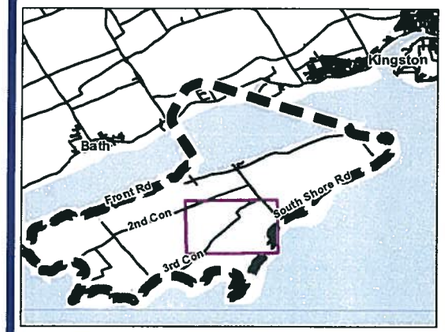
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Title
Project

Figure No.
Tile 6

Title
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Fax: (519) 836-2493

# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date / Time: May 4/11 7:10 am

Field Personnel: Matthew Ross

| Weather Conditions: | Temp: 6°C | Wind: 2 | Cloud: 100% | PPT: None | PPT in last 24 hrs: Rain |
|---|---|---|---|---|---|

Site (3) Start Time: 7:10 am
Start Point UTM: 365151 4890599

End Time: 7:35
End Point UTM: 365540 4890918

**Habitat:** Ash Swamp / Dogwood thicket

| Species | Tally |
|---|---|
| EATO | I |
| AMRO | III |
| WOTH | I |
| SOSP | III |
| RWBL | IIII IIII |
| HOWR | II |
| DEJU | I |
| BHCO | I |
| NCFL | I |
| TRES | II |
| HAWO | I |
| SWSP | I |
| COYE | II |
| RLJA | I |
| RBGR | I |
| AMGO | I |
| MALL NEST @ 365428 4890853 (flushed ♀) | |

Quality Control: This form is complete (✓) & legible (✓).

Signature: (Field Personnel)

Signature: (Project Manager)



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# Migratory Bird Survey Observation Form

Project Number: 160960545

Project Name: Amherst Island

Date / Time: May 4/11 8:36

Field Personnel: Matthew Ross

| Weather Conditions: | Temp: 7°C | Wind: 2 | Cloud: 100% | PPT: None | PPT in last 24 hrs: Rain |
|---|---|---|---|---|---|

Site 7

Start Time: 8:36am

Start Point UTM: 363211 4888886

End Time: 9:00 am

End Point UTM: 362990 4888452

Habitat: Maple-Ash-Oak forest

*No crossing for 3m wide creek to access planned route/transect - walked along SOUTH bank of creek for survey *

| Species | Tally |
|---|---|
| SOSP | III |
| AMRO | IIII |
| BCCH | IIII |
| NAWA | I |
| WOTH | II |
| RWBL | IIII |
| BT Green Warbler | I |
| AMGO | I |
| TRES | IIII I |
| EVST | IIII III |
| NOFL | II |
| WBNU | I |
| WTSP | III |
| RCKI | I |
| MODO | I |
| NOCA | I |
| HOWR | I |

Quality Control: This form is complete (✓) & legible (✓).

Signature: (Field Personnel)

Signature: (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date / Time: May 4/11 9:44

Field Personnel: Matthew Ross

| Weather Conditions: | Temp: 70 | Wind: 2 - up to 3 | Cloud: 100% | PPT: None than Rain | PPT in last 24 hrs: Rain |
|---|---|---|---|---|---|

Site (8)

Start Time: 9:44 am

End Time: 10:08

Start Point UTM: 365038 4887960

End Point UTM: 365002 4888463

**Habitat:** Ash Swamp

| Species | Tally |
|---|---|
| SWSP | I |
| SOSP | II |
| TREs | ~~IIII~~ ~~IIII~~ III |
| RWBL | ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ |
| AMRO | III |
| EUST | I |
| RUBL | ~~IIII~~ ~~IIII~~ II |
| ~~BHCO~~ | II |
| YEWA | I |
| AMGO | I |
| COGR | I |

Quality Control: This form is complete (✓) & legible (✓).

Signature: (Field Personnel)

Signature: (Project Manager)



REV: May, 07

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date / Time: May 4/11 10:45 am

Field Personnel: Matthew Ross

| Weather Conditions: | Temp: 8°C | Wind: 2 | Cloud: 100% | PPT: Light Rain | PPT in last 24 hrs: Rain |
|---|---|---|---|---|---|

Site 4

Start Time: 10:45 am

Start Point UTM: 367997 4891945

End Time: 11:00 am

End Point UTM: 368272 4891526

**Habitat:** Dogwood Thicket / Hedgerow / Meadow marsh

| Species | Tally |
|---|---|
| AMRO | IIII |
| RWBL | ~~IIII~~ ~~IIII~~ |
| SOSP | ~~IIII~~ |
| SAVS | I |
| AMCR | I |
| EATO | I |
| TRES | ~~IIII~~ II |
| BHCO | II |
| AMGO | I |
| RCKI | I |
| MYWA | III |
| YEWA | I |
| BRTH | I |
| GRCA | I |
| MODO | I |

Quality Control: This form is complete ( ✓ ) & legible ( ✓ )

Signature: (Field Personnel)

Signature: (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date / Time: May 4/11 6:17 am

Field Personnel: Matthew Ross

| Weather Conditions: | Temp: 6° | Wind: 2 | Cloud: 100% | PPT: None | PPT in last 24 hrs: Rain |
|---|---|---|---|---|---|

Site (2)

Start Time: 6:17 am

Start Point UTM: 0363002 4891599

End Time: 6:33 am

End Point UTM: 0362835 4891139

**Habitat:** Meadow Marsh / Maple - oak forest

| Species | Tally |
|---|---|
| AMRO | IIII |
| AMCR | II |
| RWBL | ~~IIII~~ ~~IIII~~ II |
| AMGO | I |
| SOSP | II |
| SAVS | I |
| MODO | I |
| EATO | I |
| EAME | II |
| EISP | I |
| YEWA | I |
| NOFL | I |
| WOTH | II |
| BCCH | II |

Quality Control: This form is complete (✓) & legible (✓)

Signature: (Field Personnel)

Signature: (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date / Time: May 5/11 6:30

Field Personnel: Matthew Ross

| Weather Conditions: | Temp: 5° | Wind: 2 | Cloud: 5% | PPT: None | PPT in last 24 hrs: Rain |
|---|---|---|---|---|---|

Site 1 Start Time: 6:30 am End Time: 6:45

Start Point UTM: 362838 4897016 End Point UTM: 363047 4896562

**Habitat:** Dogwood Thicket / Ash Swamp

| Species | Tally |
|---|---|
| AmCR | II |
| RWBL | ~~IIII~~ ~~IIII~~ |
| SAVS | I |
| SOSP | III |
| EAME | I |
| YEWA | II |
| MYWA | ~~IIII~~ I |
| AmGO | III |
| BRTH | I |
| NoFL | I |
| AMRO | I |
| BHCO | I |
| TRES | II |
| FUST | II |

Quality Control: This form is complete (✓) & legible (✓)

Signature: (Field Personnel)

Signature: (Project Manager)



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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date / Time: May 4/11 11:30 am

Field Personnel: Matthew Ross

| Weather Conditions: | Temp: 9°C | Wind: 2 | Cloud: 100% | PPT: None | PPT in last 24 hrs: Rain |
|---|---|---|---|---|---|

Site 5

Start Time: 11:30 am

End Time: 11:45 am

Start Point UTM: 369655 4893142

End Point UTM: 369929 4892717

**Habitat:** Meadow Marsh/ white Pine Alvar/ white Spruce Stand

| Species | Tally |
|---|---|
| TRES | 36 |
| RWBL | 16 |
| COGR | 20 |
| SAVS | 4 |
| YEWA | 1 |
| SOSP | 2 |
| HOSP | 1 |
| AMRO | 3 |
| AMGO | 1 |

Quality Control: This form is complete (✓) & legible (✓)

Signature: (Field Personnel)

Signature: (Project Manager)



REV: May, 07

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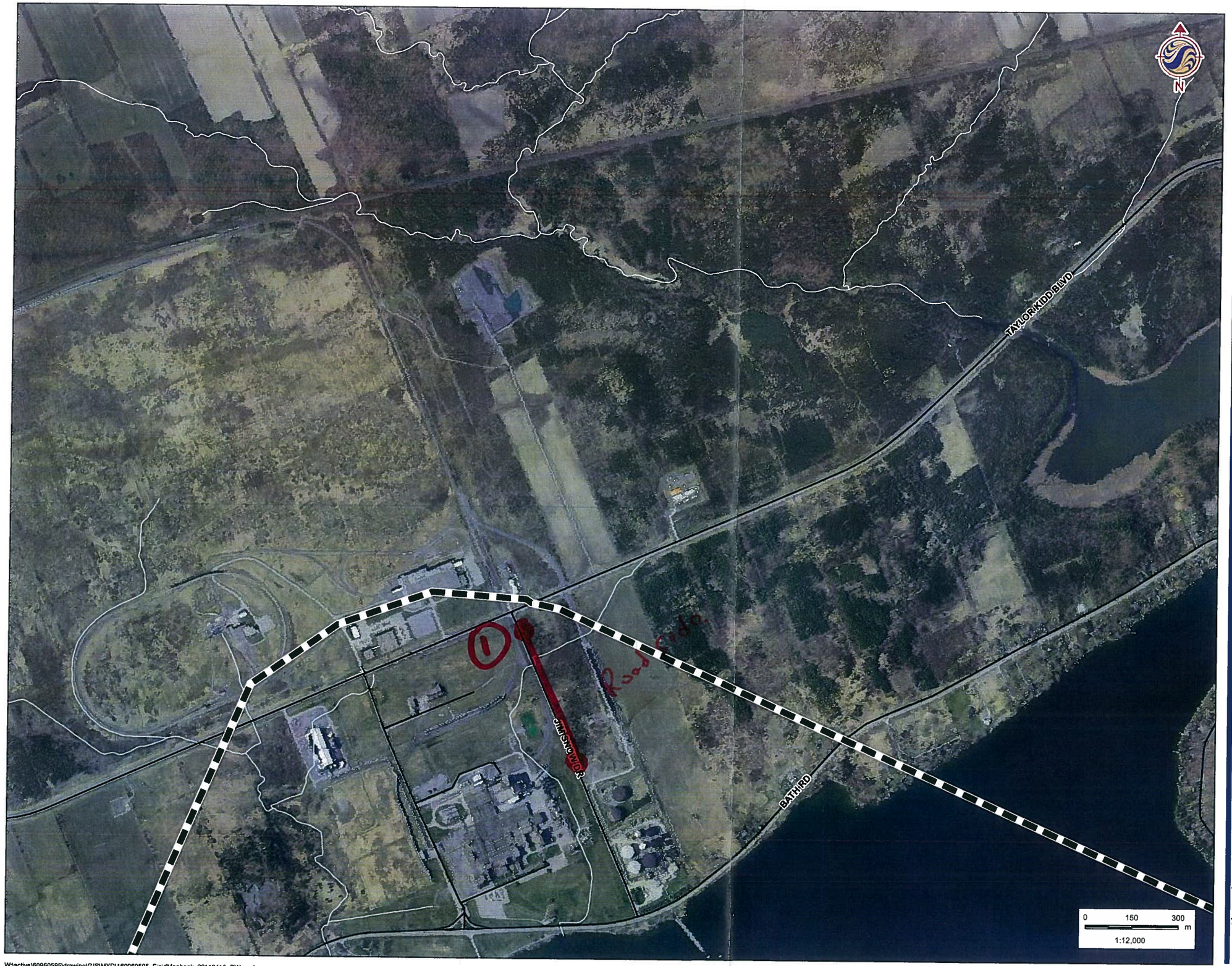
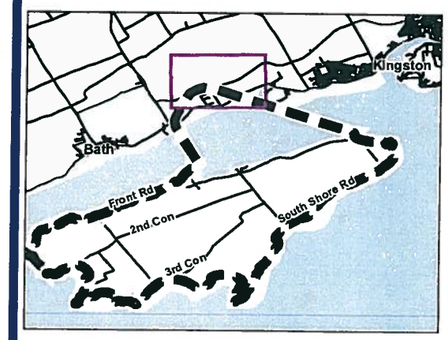



**Legend**

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Title
Project

Figure No.
Tile 1

Title
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## Legend

- Study Area
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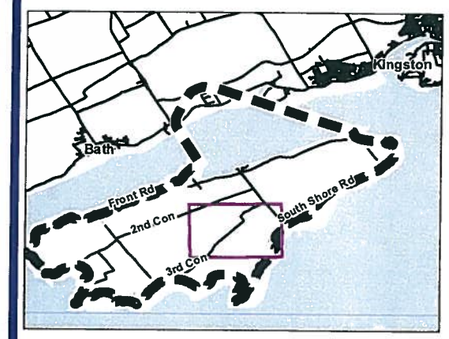


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Client
Title
Project

Figure No.
Tile 6

Title
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## Legend

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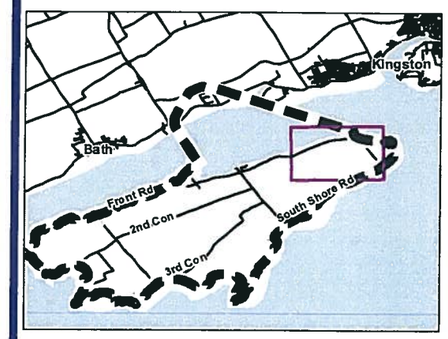
- Property Boundaries
- Signed Property
- Amphibian Station

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Client
Title
Project

Figure No.
Tile 4

Title
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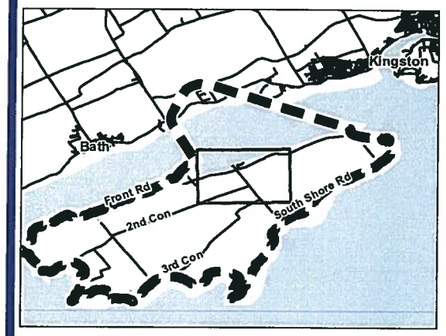


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Client
Title
Project

Figure No.
Tile 3

Title
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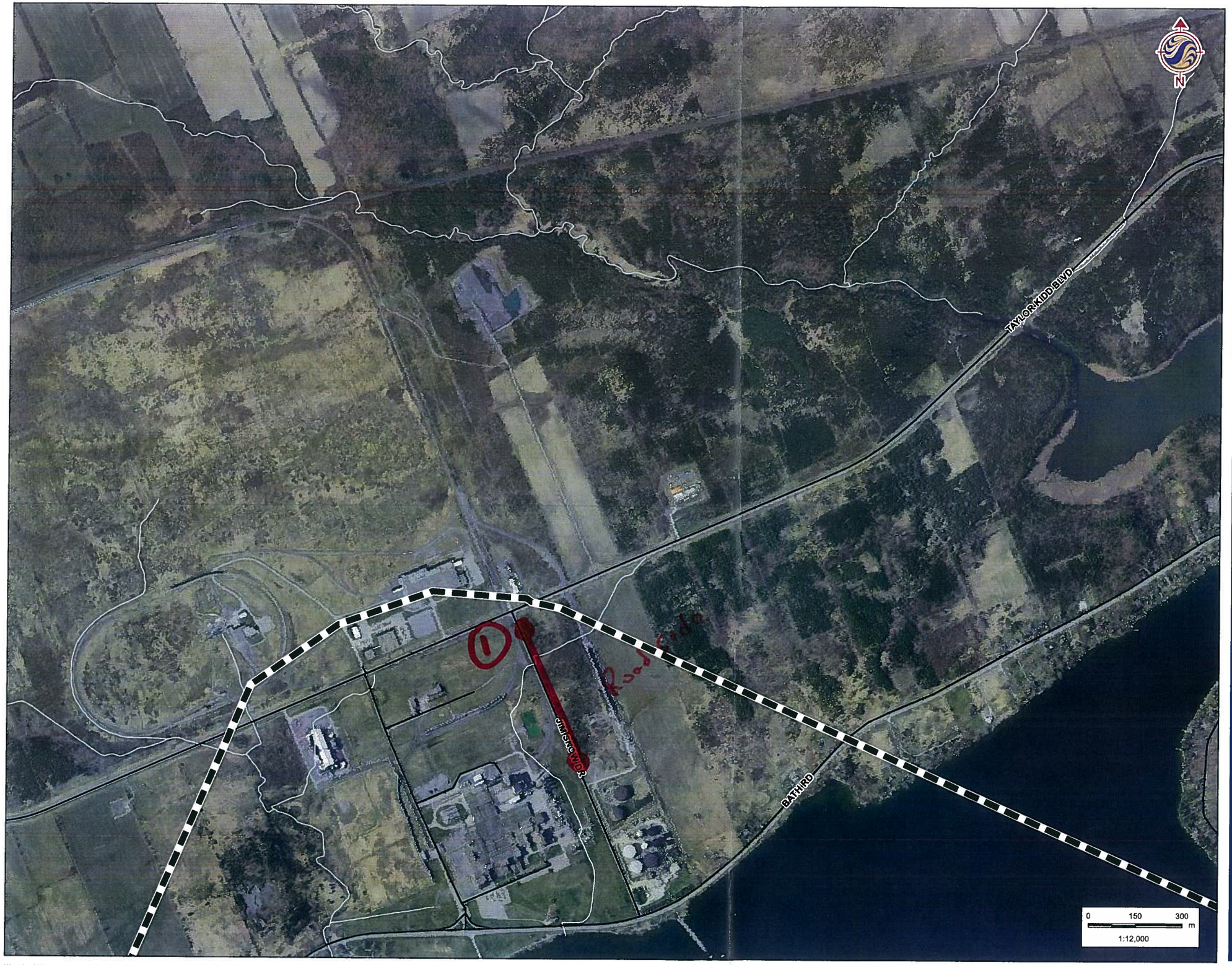
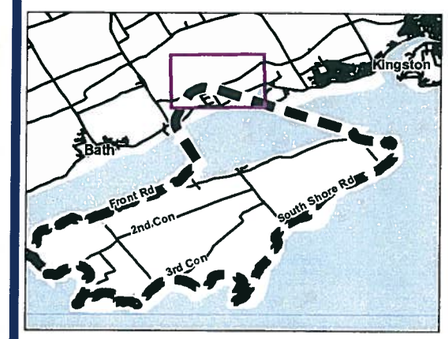
Revised on: 2011-04-15 By: pworsell




## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station




## Notes

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Title
Project

Figure No.
Tile 1

Title
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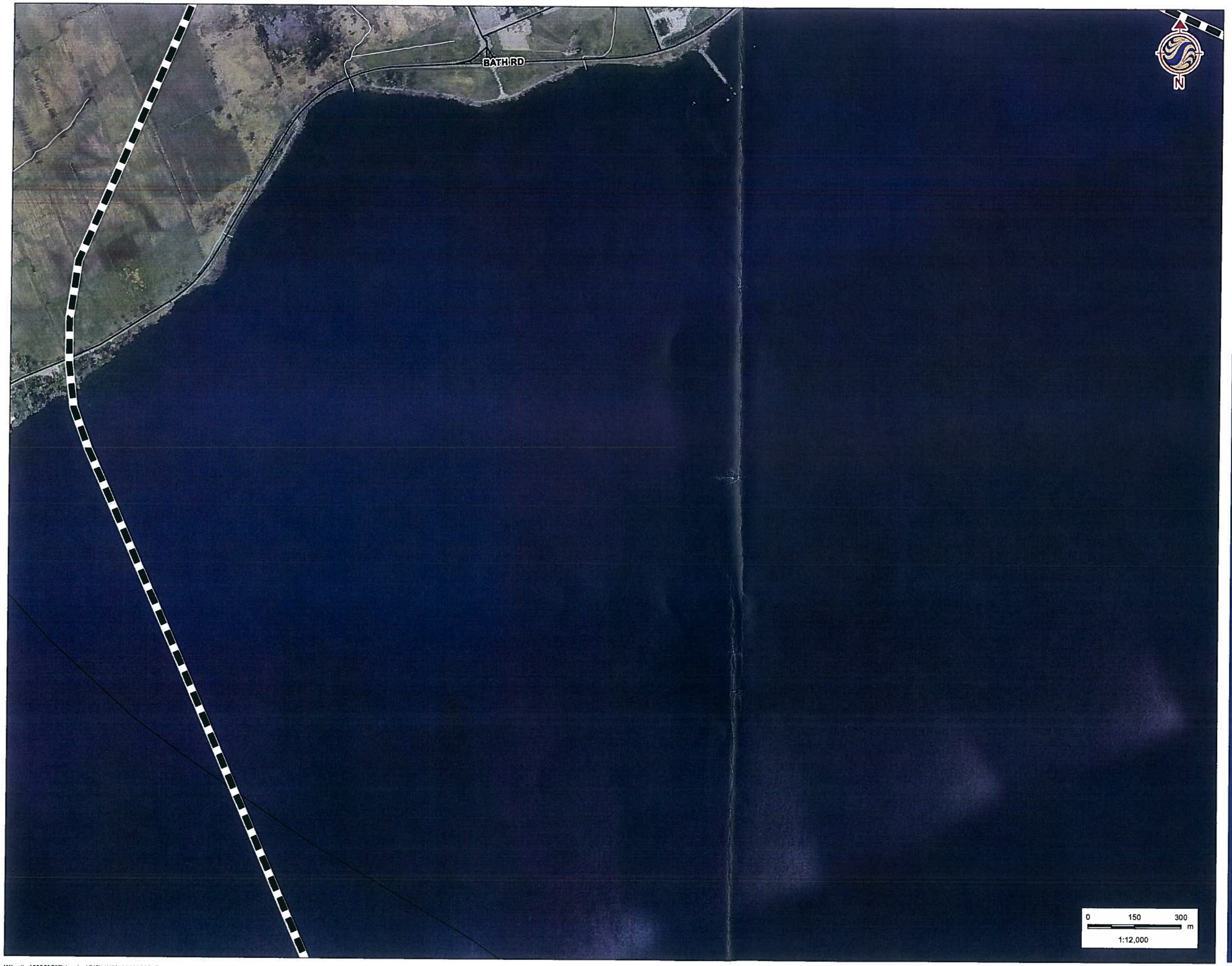
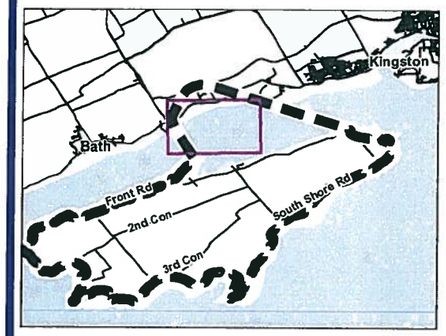



## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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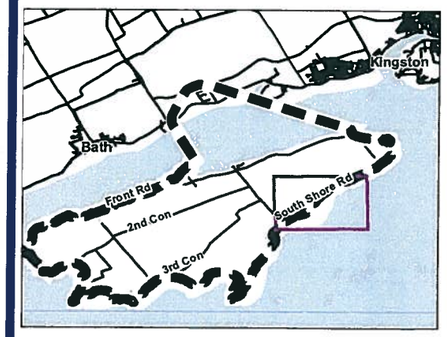
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station




## Notes

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Client
Title
Project

Figure No.
Tile 5

Title
**FIELD MAPBOOK**

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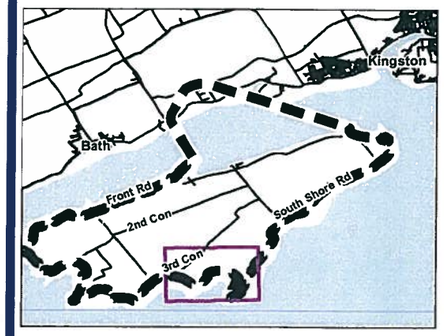
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station




## Notes

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Client
Title
Project

Figure No.
Tile 7

Title
**FIELD MAPBOOK**

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FRONT RD

2ND CON RD

2ND CON RD

EMERALD 40 FOOT RD

ART MCGINNS RD

12

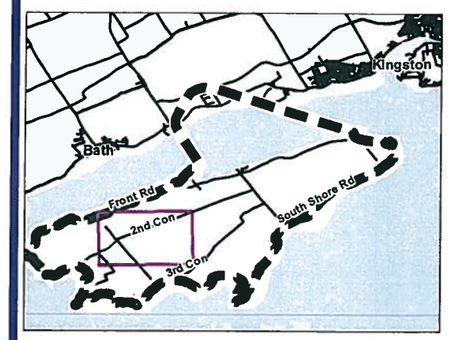
N

0 150 300 m

1:12,000

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station




## Notes

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Title
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Tile 8

Title
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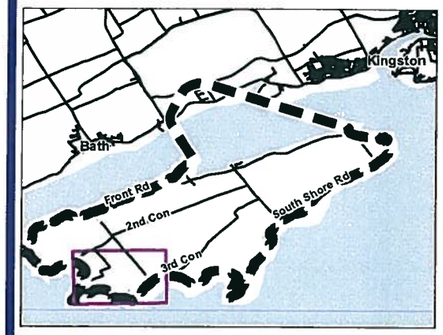
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station




## Notes

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Client
Title
Project

Figure No.
Tile 9

Title
**FIELD MAPBOOK**

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## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

## Notes

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Client
Title
Project

Figure No.
Tile 10

Title
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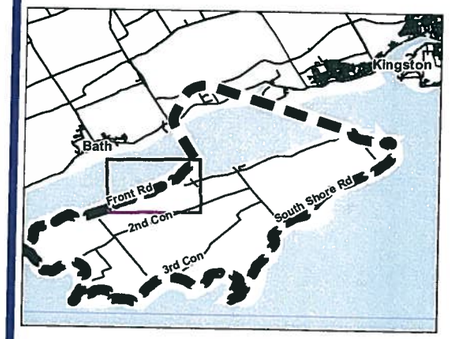
Revised on: 2011-04-15 By: pworsell

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station




## Notes

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Client
Title
Project

Figure No.
Tile 11

Title
**FIELD MAPBOOK**

**Stantec Consulting Ltd.**
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: AMHERST IS.

Date: MAY 11, 2011

Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 5°C | E 4 | 10% | 0 | 0 |

Start Time: 650 (273)

End Time: 714 (277)

Start Point UTM: 18T 0365117 4890699

End Point UTM: 18T 0365218 4890845

Habitat: SCRUB WOODLAND

Transect: #3

Feature #:

| Species | Tally |
|---|---|
| EATO | IIII |
| RWBL | I |
| AMRO | IIII |
| HOWR | II |
| WOTH | III |
| BAOR | I |
| YWAR | I |
| COYE | III |
| PAWA | I |
| WTSP | III |
| SOSP | III |
| WISN | I |
| CAWA | I |
| BLJA | II |
| OVEN | I |
| BCCH | II |
| LEFL ? EMPID | I |
| GRCA | II |
| | |
| | |
| | |

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

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Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Migratory Bird Survey Observation Form

Project Number: 160960595 Project Name: AMHERST IS.

Date: MAY 11 2011 Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 10°C | E 4 | 57 | 0 | 0 |

wp 280 wp. 281

Start Time: 826 End Time: 850

Start Point UTM: 18T 0368207 4891623 End Point UTM: 18T 0367906 4892086

Habitat: GRAY DOGWOOD SCRUB + GRASSLAND SCATTERED SPRUCE Transect: H4

Feature #:

| Species | Tally |
|---|---|
| RTHA | II |
| AMCR | III |
| YWAR | ~~IIII~~ |
| GRCA | I |
| RNPH | II |
| TUVU | IIII |
| TRES | IIII |
| SOSP | ~~IIII~~ I |
| RWBL | ~~IIII~~ I |
| EAME | I |
| COYE | IIII |
| BOBO | II |
| HOWR | II |
| BHCO | IIII |
| DCCO | I |
| AMGO | I |
| FUST | III |
| AMRO | III |
| SAVS | II |
| RCKI | I |
| WTSP | II |

Pg. 1 of 2

Signature: Robert Stamp (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014

| Species | Tally |
|---|---|
| BLBW | 1 |
| EAKI | 11 |
| NOHA | 1 |
| RWA | 1 |
| | |
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Pg. 2 of 2

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Project Manager)

REV: 2011-05-03 / FORM 014

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Fax: (519) 836-2493

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: AMHERST IS

Date: MAY 11, 2011

Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 15°C | E2 | 10% | 0 | 0 |

wp 284 wp 285

Start Time: 1025

End Time: 1045

Start Point UTM: 18T 0363294 4888960

End Point UTM: 18T 0363069 4888805

Habitat: WOODLAND, MATURE TO WEST.

Transect: #7

Feature #:

| Species | Tally |
|---|---|
| SCTA | I |
| YWAR | ~~IIII~~ III |
| AMRO | II |
| RBGR | IIII |
| SOSP | IIII |
| GRCA | III |
| RCKI | I |
| NAWA | II |
| TRES | I |
| NOPA | II |
| WTSP | I |
| BAOR | II |
| AMGO | I |
| COYE | I |
| | |
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Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ ~~& legible~~ ☐.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595 Project Name: AMHERST IS

Date: MAY 11, 2011 Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 12 | E 3 wp 282 | 5% | 0 | 0 wp 283 |

Start Time: 923 End Time: 952

Start Point UTM: 18T 0364848 4888422 End Point UTM: 18T 0364973 4887996

Habitat: WOODLAND SOME MATURE, SOME DEAD (FLOODED) Transect: #8

Feature #:

| Species | Tally |
|---|---|
| RWBL | ~~IIII~~ I |
| WBNU | II |
| AMRO | III |
| RBGR | III |
| EUST | ~~IIII~~ II |
| TRES | ~~IIII~~ I |
| YRWA | ~~IIII~~ II |
| RCKI | I |
| HOWR | III |
| SCTA | II |
| NAWA | I |
| WOCO | I |
| NOFL | I |
| BADR | II |
| SWSP | IIII |
| BHCO | I |
| SOSP | IIII |
| COYE | II |
| CAGO | IIII |
| AMGO | I |
| LEFL | I |
| WAVI | I |

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: AMHERST
Date: MAY 11, 2011
Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 5°C | E 4 | 10% HAZY | 0 | 0 |

WP 269 271

Start Time: 610
End Time: 625
Start Point UTM: 18T 0362976 4891581
End Point UTM: 18T 0362999 4891276
Habitat: GRASSLAND & SCRUB.
Transect: #2
Feature #:

| Species | Tally |
|---|---|
| BAOR | I |
| MODO | I |
| EAKI | II |
| RWBL | ~~IIII~~ |
| YWAR | ~~IIII~~ I |
| MALL | II |
| CAGO | II |
| DCCO | III |
| COYE | II |
| AMGO | I |
| EUST | I |
| GRCA | II |
| EATO | II |
| BRTH | II |
| AMRO | I |
| NOCA | I |
| BHCO | I |
| FISP | I |
| TUVU | I |
| SCTA | I |
| BOBO | I |

Pg. 1 of 1

Signature: Robert Stamp (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kevin [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595 | Project Name: AMHERST IS.

Date: MAY 11, 2011 | Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 10°C | E 4 | 5% | 0 | 0 |

Start Time: 745 WP 278 | End Time: 759 WP 279

Start Point UTM: 18T 0369415 4893532 | End Point UTM: 18T 0369655 4893147

Habitat: GRASSLAND SCATTERED EVERGREENS TO WEST | Transect: #5

Feature #:

| Species | Tally |
|---|---|
| YWAR | ~~IIII~~ I |
| AMRO | IIII |
| WAVI | I |
| CAGO | II |
| RWBL | ~~IIII~~ I |
| RBGR | II |
| SOSP | ~~IIII~~ I |
| EAKI | IIII |
| TRES | ~~IIII~~ ~~IIII~~ ~~IIII~~ I |
| CHSP | I |
| SAVS | IIII |
| BOBO | ~~IIII~~ I |
| HOSP | II |
| AMCR | II |
| EUST | I |
| COGR | ~~IIII~~ |
| WISN | I |
| DCCO | II |
| BHCO | II |
| KILL | II |
| NOHA EAME | I |

Pg. 1 of 1

Quality Control: This form is complete ☐ & legible ☐

Signature: Robert Stamp (Field Personnel)

Signature: Kathi Sm (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: May 12, 2011
Field Personnel: D. Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 8 | 1 | 10 | / | / |

Start Time: 7 39
End Time: 9 19
Start Point UTM: 247 359691 4889072
End Point UTM: 248 360040 4887472
Habitat: SWD - ash & maple
Transect: 11
Feature #:

| Species | Tally | | | |
|---|---|---|---|---|
| BLWA | 1 | | EUST | ~~||||~~ |||| |
| BCCH | ~~||||~~ 1 | | NOOR | 11 |
| ~~AMRO~~ | ~~11~~ | | RUBL | |||| |
| SOSP | ||| | TRSW | ~~||||~~ 1 |
| YRWA | ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ | | RBWO | 1 |
| NAWA | |||| | | BRCR | 1 |
| WOTH | ~~||||~~ 1 | | DOWO | ||| |
| WBNU | 11 | | GHOW | 1 (on nest) |
| BAWA | 1 | 359722 | RTHA | 11 (nest) |
| HOWR | ||| | 4887366 | | in bur oak @ 13m |
| PIWO | 1 | | AMGO | 11 |
| NOFL | 1 | | PAWA | ||| |
| BLJA | |||| | BTGW | 1 |
| WTSP | ||| | LEFL | 1 |
| RBGR | ~~||||~~ | | SWTH | 1 |
| BHCO | |||| | AMRE | 1 |
| CORA | 1 | | NOCA | 11 |
| AMRO | ~~||||~~ ~~||||~~ 11 | | HETH | 11 |
| OVEN | 1 | | EATO | 1 |
| COGR | 1 | | PAWA | 11 |
| RCKI | 11 | | | |

Pg. ___ of ___
Signature: (Field Personnel)
Quality Control: This form is complete ☑ & legible ☑.
Signature: (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: May 12, 2011

Field Personnel: Don Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 8C | 1 | 10% | None | None |

Start Time: 6 32

End Time: 6 53

Start Point UTM: 259 362832, 4897056

End Point UTM: 260 363027, 4896597

Habitat:

Transect: 1

Feature #:

| Species | Tally |
|---|---|
| YEWA | ~~IIII~~ ~~IIII~~ I |
| SOSP | IIII |
| AMRO | III |
| MODO | IIII |
| RWBL | ~~IIII~~ |
| COYE | III |
| HOWR | I |
| GRCA | I |
| BACO | ~~IIII~~ II |
| EUST | ~~IIII~~ |
| WTSP | II |
| AMGO | II |
| BCCH | III |
| AMCR | I |
| WCSP | II |
| CHSP | I |
| COGR | II |
| NOOR | I |
| | |
| | |
| | |

Pg. ___ of ___

Signature: Don Graham
(Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathi [illegible]
(Project Manager)

REV: 2011-05-03 / FORM 014

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Fax: (519) 836-2493

# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: May 12, 2011
Field Personnel: D. Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 8 | 1 | 10% | None | None |

#16

Start Time: 6:06
End Time: 7:17
Start Point UTM: 245 367776 4891040
End Point UTM: 246 367501 4891463
Habitat: CUW
Transect: 6
Feature #:

| Species | Tally | | |
|---|---|---|---|
| YEWA | 5 5 | AMGO | 1 |
| HOWR | 3 | NAWA | 4 |
| WCSP | 5 | CEDA | 1 |
| WTSP | 5 5 5 | COYE | 2 5 |
| RWBL | 5 5 | RCKI | 3 |
| COGR | 2 | BLWA | 2 |
| EOST | 5 | BCCH | 4 |
| AMRO | 5 2 | EATO | 3 |
| TRSW | 2 | SWSP | 1 |
| BASW | 2 | BLJA | 1 |
| GRCA | 4 | WAVI | 1 |
| RBGR | 5 1 | WOTH | 1 |
| YRWA | 5 5 3 | FISP | 2 |
| MOOD | 3 | RBWO | 1 |
| SOSP | 5 3 | BAWA | 1 |
| BRTH | 4 | EAKI | 1 |
| BHCO | 2 | | |
| NOOR | 2 | | |
| NOFL | 2 | | |
| BTBW | 1 | | |
| AMCR | 5 | | |

Pg. ___ of ___

Signature: Don Graham
(Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: Kathrin Gor
(Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: May 12, 2011
Field Personnel: D. Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 15 | 1 | 10% | None | None |

Start Time: 9:30
End Time: 10:37
Start Point UTM: 250 358488, 4886429
End Point UTM: 251 358495, 4885984
Habitat: SWD - ash & maple
Transect: 10
Feature #:

| Species | Tally | | |
|---|---|---|---|
| AMRO | 𝍸 𝍸 IIII | BLJA | IIII |
| SOSP | II | RUBL | 𝍸 |
| HOWR | III | EUST | 𝍸 𝍸 IIII |
| COYE | I | WBNU | II |
| COGR | IIII | GCFL | I |
| RUBL | I | RCKI | II |
| BHCO | I | CSWA | I |
| YRWA | 𝍸 𝍸 𝍸 𝍸 𝍸 | AMRE | I |
| WOTH | III | TRSW | II |
| LEFL | III | NOOR | I |
| NOFL | II | RBWO | I |
| BRCR | I | BLWA | I |
| WTSP | 𝍸 | GCFL | I |
| BTBW | II | | |
| RBGR | III | | |
| GRCA | I | | |
| YEWA | II | | |
| DOWO | IIII | | |
| YBSS | III (nest seen) | | |
| BCCH | III | | |
| NAWA | I | | |

Pg. ___ of ___

Signature: Don Graham
(Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathi [illegible]
(Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: May 12, 2011
Field Personnel: D. Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 15 | 1 | 10 | / | / |

Start Time: 10 49
End Time: 11 13
Start Point UTM: 252 357664 4887960
End Point UTM: 253 357181 4887813
Habitat:
Transect: 12
Feature #:

| Species | Tally |
|---|---|
| AMRO | IIII |
| SOSP | ~~IIII~~ IIII |
| NAWA | II |
| BHCO | II |
| RUBL | |
| COGR | I |
| AMCR | I |
| AMGO | III |
| EATO | ~~IIII~~ |
| BCCH | I |
| GRCA | I |
| BLJA | II |
| NOCA | I |
| COYE | II |
| EAKI | I |
| YEWA | I |
| NOFL | I |
| HOWR | I |
| WBNU | I |
| | |
| | |

Pg. ___ of ___

Signature: Dan Graham (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathrin [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: May 12, 2011

Field Personnel: D. Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 15 | 1 | 10 | / | / |

Start Time: 11:25

End Time: 11:46

Start Point UTM: 254 358688 4889625

End Point UTM: 255 358426 4889056

Habitat:

Transect: 9

Feature #:

| Species | Tally |
|---|---|
| COGR | 1111 |
| SOSP | 1111 |
| BCCH | 1111 |
| AMRO | 11 |
| COYE | 1 |
| TRSW | 1111 |
| FISP | 1 |
| BLJA | ~~1111~~ |
| EATO | 11 |
| NOCA | 1 |
| CHSP | 11 |
| AMGO | 11 |
| EAPH | 1 |
| EAKI | 1 |
| NOOR | 1 |
| EVST | 11 |
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Pg. ___ of ___

Signature: Don Graham (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: Kathrin [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: May 12, 2011

Field Personnel: D. Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 15 | 1 | 10 | / | / |

Start Time: 1157

End Time: 1228

Start Point UTM: 256 360101 4890400

End Point UTM: 257 360359 4889972

Habitat: SWT - spiraea & silky dogwood

Transect: 13

Feature #:

| Species | Tally |
|---|---|
| SOSP | ~~\|\|\|\|~~ ~~\|\|\|\|~~ \|\| |
| COYE | \|\|\| |
| YEWA | ~~\|\|\|\|~~ ~~\|\|\|\|~~ ~~\|\|\|\|~~ \|\|\| |
| YRWA | \| |
| EUST | \|\| |
| AMGO | \|\| |
| RWBL | ~~\|\|\|\|~~ \| |
| BHCO | \|\|\|\| |

Pg. ___ of ___

Signature: Dan Graham (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Karthi [illegible] (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst 15
Date: 18 May/11
Field Personnel: J. Heslop

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 12°C | E15 | 100% | -1 | RAIN |

Start Time: 9:00
End Time: 9:55
Start Point UTM: (Pole) 18·359769E · 4887156N
End Point UTM: (Pole) 18·360033E · 4887428N
Habitat: Wet Woods
Transect: #11
Feature #:

| Species | Tally |
|---|---|
| GCFL | I |
| BCCH | II |
| HOWR | ~~IIII~~ |
| AMRE | I |
| AMRO | ~~IIII~~ |
| AMCR | II |
| DOWO | II |
| RBGR | ~~IIII~~ |
| COYE | I |
| EAWP | I |
| BTNW | II |
| MODO | I |
| WOTH | II |
| AMGO | I |
| EUST | IIII |
| RWBL | II |
| BAOR | II |
| VEER | II |
| WOOD | III |
| BTBW | I |
| CSWA | I |

Pg. 1 of 2

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

| Species | Tally |
|---|---|
| SWTH | 11 |
| WBNU | 1 |
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Pg. 2 of 2

**Signature:** (Field Personnel)

Quality Control: This form is complete ☐ & legible ☑.

**Signature:** (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Is.
Date: 18 MAY/11
Field Personnel: J. Hesler

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 11°C | E 10 | 95% | 1 – | RAIN |

Start Time: 6:30
End Time: 7:00
Start Point UTM: (Pol 510) 18·360100E. 4890404N
End Point UTM: 18·360360E. 4889978N
Habitat: AG. Field Adjacent to Wet Scrub
Transect: #3
Feature #: ~~AG. Field~~

| Species | Tally |
|---|---|
| EAME | III |
| BOBO | ~~IIII~~ ~~IIII~~ II |
| RWBL | I |
| SOSP | IIII |
| COYE | II |
| AMCR | II |
| LEST | ~~IIII~~ ~~IIII~~ II |
| NOHA | II |
| AMRO | II |
| COGR | III |
| SASP | II |
| AMGO | II |
| YEWAR Yellow W. | I |
| BRWH | I |
| BARS | II |
| MODO | I |
| GRSP | I |
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Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Lo
Date: 18 MAY 11
Field Personnel: J. Hoslop

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 12°C | E15 | 100% | 1 – | RAIN |

Start Time: 7:15
End Time: 7:45
Start Point UTM: (Point 2) 18 358432E - 4889056N
End Point UTM: (Point 6) 18-358735E 4888553N
Habitat: Woodland
Transect: #9
Feature #:

| Species | Tally |
|---|---|
| EAIO | III |
| BCCH | I |
| NECA | II |
| SOSP | III |
| COGR | ~~IIII~~ |
| AMGO | II |
| ~~COSN~~ WISN | I |
| BLJA | ~~III~~ II |
| MAWA | I |
| AMCR | III |
| CHSP | I |
| BRTH | I |
| COYE | III |
| AMRO | IIII |
| FISP | III |
| MALL | I |
| TRES | I |
| RWBL | ~~IIII~~ ~~IIII~~ II |
| EWST | III |
| WOOD | III |
| SWSP | I |

Pg. 1 of 2

Quality Control: This form is complete ☐ & legible ☐.

Signature: (Field Personnel)

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

| Species | Tally |
|---|---|
| YWAR | 1 |
| EAKI | 1 |
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Pg. 2

Signature: ______________________ (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: ______________________ (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: AMHERST 15

Date: 18 MAY /11

Field Personnel: J. Hosler

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 12°C | E 15 | 100% | 1-2 | RAIN |

Start Time: 8:00

End Time: 8:40

Start Point UTM: (Point A) 18-358448E 4886374N

End Point UTM: (Point B) 18 358458E 4885939N

Habitat: Wet Woods

Transect: #10

Feature #:

| Species | Tally |
|---|---|
| BTBW | I (Black-Throated Blue Warbler) |
| BAOR | IIII |
| HOWR | ~~IIII~~ |
| AMCR | III |
| AMRO | ~~IIII~~ II |
| COYE | II |
| YWAR | I |
| WOTH | III |
| SOSP | I |
| RBGR | III |
| RWBL | I |
| BARS | III |
| COGR | III |
| BHCO | II |
| GCFL | I |
| BLJA | II |
| WBNH | I |
| BCCH | II |
| EUST | II |
| LAME | I (In Field to West) |
| BOBO | I |

Pg. 1 of 2

Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: Kathi Sm (Project Manager)

REV: 2011-05-03 / FORM 014

| Species | Tally |
|---|---|
| RBWO | 1 |
| SOSP | 1 |
| PIWO | 1 |
| BTGW | 1 |

Pg. 2 of 2

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☐.

Signature: Kathi (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst 15.
Date: 18 MAY / 11
Field Personnel: J Heslop

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 13°C | LIS | 100% | 1 → Ø | RAIN |

Start Time: 10:25
End Time: 10:55
Start Point UTM: P01 068 18 · 357631E · 4887948N
End Point UTM: P01 069 18 · 357195E · 4887817N
Habitat: WET SCRUB
Transect: #12
Feature #:

| Species | Tally |
|---|---|
| ~~BLJA~~ | ~~I~~ |
| AMRO | IIII |
| AMCR | I |
| BCCH | IIII |
| BLJA | III |
| HOWR | I |
| COYE | III |
| GRCA | III |
| EUST | ~~IIII~~ |
| RWBL | ~~IIII~~ ~~IIII~~ ~~IIII~~ |
| EATO | IIII |
| AMGO | II |
| BHCO | III |
| RBGR | III |
| SOSP | III |
| BAOR | I |
| GCFL | I |
| FISP | II |
| COGR | III |
| | |
| | |

Pg. 1 of ___

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960555

Project Name: AMHERST ISLAND

Date: 18 MAY/11

Field Personnel: J. HESLOP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18°C | E 20 | 60% | Ø | RAIN |

Start Time: 14:30

End Time: 14:50

Start Point UTM: 18 T 363049E · 4896557N

End Point UTM: 18 T 362868E · 4896979N

Habitat: CEDAR SCRUB

Transect: #1

Feature #:

| Species | Tally |
|---|---|
| EUST | ~~IIII~~ |
| BRTH | I |
| RWBL | I |
| EAME | II |
| AMRE | II |
| COGR | III |
| RBGR | II |
| EAKI | I |
| SOSP | III |
| DOYE | I |
| YWAR | ~~IIII~~ ~~IIII~~ |
| GRCA | I |
| TRES | ~~IIII~~ I |
| SAVS | I |
| BHCO | II |
| BARS | III |
| AMGO | ~~IIII~~ |
| HOWR | I |
| CORA | I |
| ROPI | I |

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

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Fax: (519) 836-2493

# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: AMHERST IS.
Date: MAY 18, 2011
Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 5°C | E-4 | 100% | 0 | RAIN |

Start Time: 625
End Time: 643
Start Point UTM: 18T 0363098 4891710
End Point UTM: 18T 0363011 4891298
Habitat: GRASSLAND
Transect: #2
Feature #:

| Species | Tally |
|---|---|
| BOBO | IIII |
| BRTH | II |
| BHCO | I |
| RWBL | ~~IIII~~ I |
| AMCR | I |
| CAGO | I |
| EUST | II |
| EAME | I |
| EAKI | II |
| WAVI | I |
| BAOR | III |
| YWAR | ~~IIII~~ III |
| AMRO | I |
| COYE | II |
| GRCA | I |
| FISP | I |
| SOSP | IIII |
| EATO | II |
| AMGO | II |
| MODO | I |
| COGR | I |
| CORA | I |

Pg. 1 of 1

Signature: Robert Stamp (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: Kathi S (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: AMHERST IS.

Date: MAY 18, 2011

Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 6°C | E-2- | 100% | LIGHT RAIN | RAIN |

Start Time: 758

End Time: 811

Start Point UTM: 18T 0369407 4893542

End Point UTM: 18T 0369645 4893160

Habitat: ROADSIDE GRASSLANDS + SCRUB

Transect: #5

Feature #:

| Species | Tally |
|---|---|
| WISN | II |
| AMRO | ~~IIII~~ |
| COGE | I |
| RWBL | ~~IIII~~ |
| YWAR | III |
| EUST | I |
| EAKI | IIII |
| BOBO | II |
| BAOR | I |
| CHSP | I |
| TRES | ~~IIII~~ ~~III~~ |
| HOSP | III |
| NOHA | I |
| AMGO | II |
| WAVI | I |
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Pg. 1 of 1

Signature: Robert Stamp
(Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katrina Sm
(Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: AMHERST IS
Date: MAY 18, 2011
Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 6°C | E-4 | 100% | LIGHT RAIN | RAIN |

Start Time: WP 323 920
End Time: 935
Start Point UTM: 18T 0367716 4890949
End Point UTM: 18T 0367486 4891395
Habitat: SCRUB GREY DOGWOOD / HAWTHORN
Transect: #6
Feature #:

| Species | Tally |
|---|---|
| YWAR | ~~IIII~~ ~~IIII~~ ~~IIII~~ |
| RWBL | ~~IIII~~ |
| EUST | I |
| HOWR | II |
| GRCA | IIII |
| MODO | II |
| COYE | IIII |
| COGR. | III |
| TRES | I |
| AMCR | I |
| BRTH | II |
| SOSP | ~~IIII~~ ~~IIII~~ |
| EATO | I |
| NOHA | II |
| BCCH | I |
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Pg. 1 of 1

Signature: Robert Stamp (Field Personnel)

Quality Control: This form is complete ☑ ~~& legible~~ ☑.

Signature: Katrin [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595 Project Name: AMHERST IS

Date: MAY 18, 2011 Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 5°C | E-4 | 100% | LIGHT RAIN | RAIN |

Start Time: 711 End Time: 726

Start Point UTM: 18T 0365101 4890675 End Point UTM: 18T 0365215 4890843

Habitat: SCRUBBY WOODLAND WET Transect: #3

Feature #:

| Species | Tally |
|---|---|
| COYE | III |
| WITH | II |
| HOWR | II |
| EATO | II |
| AMRO | ~~IIII~~ I |
| BAOR | I |
| FUST | I |
| YWAR | II |
| MAWA | I |
| SOSP | IIII |
| GRCA | II |
| WISN | I |
| BHCO | I |
| RBGR | III |
| WOTO | I |
| CSWA | I |
| ~~OVEN WAS~~ TEWA | I |
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Pg. 1 of 1

Signature: Robert Stamp (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: Kathi [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: AMHERST IS

Date: MAY 18, 2011

Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 5°C | E-2 | 100% | RAIN | RAIN |

Start Time: 836

End Time: 855 ~~18T 0367925 4892057~~

Start Point UTM: 18T 0368205 4891624

End Point UTM: 18T 0367925 4892057

Habitat: GRASSLAND / GRSY DOGWOOD SCRUB / PATCHES OF SPRUCE

Transect: #4

Feature #:

| Species | Tally |
|---|---|
| COYE | ~~IIII~~ |
| SOSP | ~~IIII~~ |
| KWPH | I |
| RWBL | ~~IIII~~ |
| AMGO | ~~IIII~~ III |
| HOWR | I |
| COGR | II |
| YRWA | IIII |
| LEFL | II |
| BOBO | I |
| CSWA | II |
| GRCA | II |
| NOHA | I |
| WTSP | II |
| SAVS | II |
| EAME | I |
| BRTH | I |
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Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: AMHERST IS
Date: MAY 18, 2011
Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 7°C | E-4 | 100% | LIGHT RAIN | RAIN |

Start Time: 1052
End Time: 1116
Start Point UTM: 18T 0363290 4888957
End Point UTM: 18T0362996 4888750
Habitat: SCRUB + DEC. WOODLAND
Transect: #7
Feature #:

| Species | Tally |
|---|---|
| WOTH | III |
| YWAR | II |
| RWBL | III |
| SOSP | II |
| BOBO | I |
| AMCR | I |
| GRCA | I |
| BEKI | I |
| BTBW | II |
| CSWA | I |
| AMGO | I |
| BCCH | I |
| NOWT | I |
| EVST | I |
| BAOR | I |
| MAWA | II |
| RCKI | I |
| COGR | I |
| AMRO | I |
| WTSP | II |
| | |

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

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Fax: (519) 836-2493

# Migratory Bird Survey Observation Form

Project Number: 160960595 Project Name: AMHERST IS

Date: MAY 18, 2011 Field Personnel: DOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 6°C | E-4 | 100% | RAIN | RAIN |

Start Time: 1005 End Time: 1029

Start Point UTM: 18T 0364839 4888426 End Point UTM: 18T 0364979 4888003

Habitat: WET, WOODLAND Transect: #8

Feature #:

| Species | Tally |
|---|---|
| LEFL | II |
| YWAR | ~~IIII~~ I |
| AMRO | IIII |
| RWBL | III |
| NOFL | I |
| RBGR | II |
| HOWR | I IIII |
| TRES | ~~IIII~~ ~~IIII~~ ~~IIII~~ |
| ~~BEGR~~ BTNW | I |
| WISA | I |
| RAOR | I |
| EUST | II |
| AMGO | II |
| RTHA | I |
| VEER | II |
| BCCH | I |
| WBNU | I |
| SWSP | IIII |
| COYE | II |
| WTSP | I |
| | |

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: AMHERST I.
Date: 19 MAY/11
Field Personnel: J. HASLOP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18°C | Ø | 10% | Ø | RAIN |

Start Time: 9:11
End Time: 9:46
Start Point UTM: 18-359769E. 4887156N
End Point UTM: (Pol 066) 18.360033E. 4887428N
Habitat: WET WOODS
Transect: #11
Feature #:

| Species | Tally |
|---|---|
| COYE | II |
| BAOR | IIII |
| HOWR | ~~IIII~~ I |
| AMRO | ~~IIII~~ II |
| WOTH | II |
| ~~RBGR~~ | ~~I~~ |
| SOSP | I |
| COGR | ~~IIII~~ II |
| RWBL | IIII |
| WOTH | III |
| GCFL | II |
| BNGR | II |
| AMRO | I |
| AMRE | II |
| RBGR | ~~IIIIIIII~~ |
| DOWO | II |
| BTBW | I |
| WBNY | II |
| REVI | I |
| BLSA | IIII |
| OVEN | I |

BLACK THROATED GREEN W

Pg. 1 of 2

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathi (Project Manager)

REV: 2011-05-03 / FORM 014

| Species | Tally |
|---|---|
| RBWO | II |
| BHST | ~~5~~ IIII |
| WTSP | I |
| AMGO | I |
| NSFL | I |
| MAWA | I |
| AMCR | I |
| ~~[illegible]~~ | ~~2~~ |
| RTHA | I |

Pg. 2 of 2

**Signature:** _____ (Field Personnel)

Quality Control: This form is complete ☐ ~~& legible ☐.~~

**Signature:** _____ (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Is.
Date: 19 May / 11
Field Personnel: J. Heslop

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 12°C | E 5 km | 95% | Ø | Rain |

Start Time: 6:40
End Time: 7:21
Start Point UTM: P01070 18-360100E · 4890404N
End Point UTM: (P01074) 18-360360E · 4889978N
Habitat: Pasture (+ adjacent Wet Scrub)
Transect: #13
Feature #:

| Species | Tally |
|---|---|
| BOBO | ~~IIII~~ ~~IIII~~ ~~IIII~~ II |
| AMCR | I |
| BLJA | II |
| COYE | III |
| SOSP | ~~IIII~~ |
| GRSP | IIII |
| RWBL | ~~IIII~~ |
| CORA | I |
| COGR | IIII |
| SAVS | II |
| MALL | ~~IIII~~ I |
| CHSP | I |
| EUST | IIII |
| BRTH | I |
| YWAR | III |
| GRCA | I |
| CCSP | II |
| AMGO | III |
| * RHWO | I (P01075) 18-360272E 4890133N Flew in from So. landed in tall tree for ≈ 15 sec & then flew to the North |
| MODO | I |
| BARS | I |

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

| Species | Tally |
|---|---|
| CAME | I |
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Pg. 2 of 2

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Is.
Date: 19 May/11
Field Personnel: J. Heslop

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 13°C | Ø | 85% | Ø | Rain |

Start Time: 7:33
End Time: 8:03
Start Point UTM: (Pol062) 18-358432E-4889056N
End Point UTM: (Pol063) 18-358735E-4888553
Habitat: Woodland
Transect: #9
Feature #:

| Species | Tally |
|---|---|
| BCCH | ~~IIII~~ |
| EATO | II |
| GRCA | I |
| NOCA | III |
| WISN | I |
| YWAR | ~~IIII~~ |
| RWBL | ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ |
| MODO | II |
| AMCR | II |
| AMRO | IIII |
| BLJA | ~~IIII~~ |
| CHSP | I |
| AMGO | III |
| SOSP | I |
| EUST | IIII |
| BHCO | I |
| COYE | II |
| GCFL | I |
| RBGB | II |
| SWSP | I |
| ~~[illegible]~~ BTNW | II |

Black-Throated Green W.

Pg. 1 of 2

Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

| Species | Tally | |
|---|---|---|
| RES | III | |
| WOOD | I | |
| EAKI | IIII | |
| BAOR | II | |
| NOFL | I | |
| REVI | II | |
| BBWA | II | |
| PHVI | I | |
| BLBW | III | BLACKBURNIAN |
| KILL | II | |
| BTBW | I | BTBL |
| EAPH | I | |

Pg. 2 of 2

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑

Signature: Kathrin Gorn (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: AMHERST I.S.

Date: 19 MAY/11

Field Personnel: J. HESLOP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18°C | 25 KM | 50% | Ø | RAIN |

Start Time: 8:20

End Time: 8:52

Start Point UTM: (Point 4) 18.358442E.4886374N

End Point UTM: (Point 5) 18.358458E.4885959N

Habitat: WET Woods

Transect: #10

Feature #:

| Species | Tally |
|---|---|
| OSPR | I |
| SSHA | II |
| EWJT | ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ |
| WTSP | II |
| COYE | ~~IIII~~ |
| AMRO | II |
| AMCR | II |
| SOSP | ~~IIII~~ |
| BCCH | I |
| GRCA | III |
| COGR | ~~IIII~~ ~~IIII~~ ~~IIII~~ III |
| BAOR | II |
| RWBL | I |
| ANGO | ~~IIII~~ I |
| EAPO | III |
| WISN | II |
| NOFL | I |
| BLJA | I |
| FISP | I |
| GRHE | I |
| ALFL | II |

Pg. 1 of 2

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

| Species | Tally |
|---|---|
| YWDR | 1111 |
| RBGR | 1 |
| BWWA | 1 |
| LEFL | 1 |
| BRTH | 1 |
| NAWA | 1 |
| RBGR | 1 |
| BHCO | 11 |

Pg. 2 of 2

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Is.

Date: 19 MAY/11

Field Personnel: J. Heslop

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 19°C | Ø | 10% | Ø | RAIN |

Start Time: 10:00

End Time: 10:30

Start Point UTM: (Pol 068) 18.357631E. 4887948N

End Point UTM: 18.357195E . 4887817N

Habitat: Wet Scrub

Transect: #18

Feature #:

| Species | Tally |
|---|---|
| CSWA | II |
| AMRO | ~~IIII~~ |
| BAOR | I |
| GCFL | I |
| RBGR | ~~IIII~~ I |
| HOWR | ~~IIII~~ |
| BLJA | I |
| BCCH | I |
| DOWO | II |
| WBNU | I |
| NOFL | II |
| AMCR | I |
| AMRE | II |
| BTBW | III |
| BHCO | I |
| WOOD | II |
| RBWO | I |
| RTHA | I |
| AMCR | I |
| MALL | II |
| REVI | I |

Pg. 1 of 2

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: Katie (Project Manager)

REV: 2011-05-03 / FORM 014

| Species | Tally |
|---|---|
| BBWA | I |
| MAWA | I |
| SWTH | III |
| CAWP | I |
| TEWA | I |

Pg. 2 of 2

Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Is
Date: 19 May/11
Field Personnel: J. Hodgop

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20°C | 0 | 25% | 0 | Rain |

Start Time: ~~10:50~~ 11:00
End Time: 11:30
Start Point UTM: 18·0367716·4890949N
End Point UTM: 18·0367486·4891395
Habitat: Scrub - Gray Dogwood/Hawthorn
Transect: #6
Feature #:

| Species | Tally |
|---|---|
| BLPW | I |
| AWBL | III |
| ~~AMRO~~ AMRO | ~~IIII~~ III |
| YWAR | ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ I |
| COGR | ~~IIII~~ I |
| ~~BG~~ | |
| BAOR | II |
| SOSP | ~~IIII~~ III |
| GRCA | ~~IIII~~ |
| BTBW | I |
| HOWR | I |
| COYE | IIII |
| AMCR | III |
| BRTH | II |
| KATO | III |
| FISP | II |
| NOFL | I |
| SSHA | I |
| BARS | I |
| TRES | II |
| LAKI | II |

Pg. 1 of 2

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathi (Project Manager)

REV: 2011-05-03 / FORM 014

| Species | Tally |
|---|---|
| WAVI | 1 |
| BCCH | 1 |

Pg. 2 of 2

**Signature:** (Field Personnel)

Quality Control: This form is complete ☐ ~~& legible~~ ☐.

**Signature:** (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: AMHERST, TS.

Date: 19 MAY/11

Field Personnel: B STAMP & J. HOSLOP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 21°C | 5 KM | 15% | Ø | RAIN |

Start Time: 12:28

End Time: 12:55

Start Point UTM:

End Point UTM: 18.0362874 . 4896960

Habitat: SCRUB

Transect: #1

Feature #:

| Species | Tally |
|---|---|
| YWAR | HH HH |
| RWBL | I |
| AMRO | III |
| SOSP | III |
| GRCA | I |
| AMGO | IIII |
| EUST | HH IIII |
| BHCO | II |
| AMKR | II |
| BRTH | I |
| RTHA | I |
| COYE | I |
| HOWR | I |
| COGR | I |

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: AMHERST IS
Date: MAY 19, 2011
Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 16°C | E 2 | 85% | 0 | 0 |

Start Time: 712
End Time: 735
Start Point UTM: 18T 0365101 4890675
End Point UTM: 18T 0365215 4890843
Habitat: SCRUBBY WOODLANDS
Transect: #3
Feature #:

| Species | Tally |
|---|---|
| WOTH | II |
| LEFL | II |
| YWAR | IIII |
| EATO | II |
| COYE | III |
| MODO | IIII |
| HOWR | I |
| RBGR | III |
| CORA | I |
| ~~MOD~~ BHCO | II |
| GRCA | II |
| WIWA | I |
| SOSP | II |
| CSWA | II |
| BLJA | II |
| AMRO | IIII |
| EUST | II |
| COGR | IIII |
| BLBW | I |
| | |
| | |

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: AMHERST IS
Date: MAY 19, 2011
Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 16°C | E-2 | 70% | 0 | RAIN |

Start Time: 835
End Time: 851
Start Point UTM: 18T 0368205 4891624
End Point UTM: 18T 0367925 4892057
Habitat: GRASSLANDS WITH SHRUBS
Transect: #4
Feature #:

| Species | Tally |
|---|---|
| COYE | /// |
| TRES | //// |
| SOSP | ~~////~~ |
| RWBL | ~~////~~ / |
| GRCA | /// |
| YWAR | ~~////~~ /// |
| FUST | / |
| LEFL | // |
| AMRO | // |
| COGR | //// |
| AMCR | / |
| MAWA | // |
| ALFL | / |
| BCCH | / |
| BOBO | ~~////~~ / |
| FAMT | / |
| WISN | / |
| SAVS | // |
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Pg. 1 of 1

Signature: Robert Stamp
(Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathy [illegible]
(Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: AMHERST IS
Date: MAY 19 2011
Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18°C | E-2 | 20% | 0 | RAIN |

Start Time: 920
End Time: 1006
Start Point UTM: 18T0363290 4888957
End Point UTM: 18T0362996 4888750
Habitat: WOODLAND
Transect: #7
Feature #:

| Species | Tally |
|---|---|
| MAWA | ~~\|\|\|\|~~ ~~\|\|\|\|~~ ~~\|\|\|\|~~ |
| NAWA | \|\|\| |
| BRTH | \| |
| TEWA | \|\|\| |
| BPWA | \| |
| YRWA | ~~\|\|\|\|~~ ~~\|\|\|\|~~ \|\| |
| LISP | \|\| |
| BTBW | \|\| |
| RBNU | \| |
| YWAR | \|\| |
| SOSP | \|\|\| |
| BHCO | \|\| |
| HOWR | \| |
| RBGR | \|\| |
| AMRO | \|\|\| |
| DLBW | \|\| |
| RWBL | \|\|\| |
| NOWA | \| |
| WAVI | \| |
| WOTH | \| |
| AMGO | \|\| |

Pg. 1 of 2

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

| Species | Tally |
|---|---|
| LEFL | III |
| COGR | II |
| REVI | II |
| COYE | I |
| GRCA | IIII |
| BHVI | I |
| WOCO | I |
| CSWA | III |
| BAWW | I |
| EUST | II |
| CAWA | II |
| RCKI | I |
| BBWA | II |
| BTNW | I |
| GCFL | I |
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Pg. 2 of 2

**Signature:** Robert Sluf
(Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** Katie
(Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: AMHERST IS.

Date: MAY 19, 2011

Field Personnel: BOB STAMP

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18°C | E-2 | 50% | 0 | RAIN |

Start Time: 1035

End Time: 1058

Start Point UTM: 18T 0364839 4888426

End Point UTM: 18T 0364979 4888003

Habitat: WOODLAND

Transect: #8

Feature #:

| Species | Tally |
|---|---|
| SCTA | I |
| LEFL | II |
| RWBL | ~~IIII~~ I |
| HOWR | II |
| SOSP | ~~IIII~~ I |
| WAVI | II |
| TRES | ~~IIII~~ |
| COYE | II |
| BAOR | II |
| EVST | I |
| YWAR | IIII |
| EAWP | I |
| CSWA | II |
| MAWA | III |
| AMRO | ~~IIII~~ I |
| YRWA | I |
| RBGR | I |
| NAWA | I |
| BHVI | I |
| BTNW | II |
| AMRE | I |

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

| Species | Tally |
|---|---|
| BCCH | 1 |
| COGR | 11 |
| WISN | 1 |
| BHCO | 11 |
| SWSP | 1 |
| RBNU | 11 |
| LISP | 1 |
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Pg. 2 of 2

**Signature:** Robert Sleep (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

**Signature:** Katrina (Project Manager)

REV: 2011-05-03 / FORM 014

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Canada N1G 4P5
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Fax: (519) 836-2493

Stantec

# Migratory Bird Survey Observation Form

Project Number: 160960575
Project Name: AMHERST IS
Date: MAY 19, 2011
Field Personnel: BOB STAMY

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 15°C | CALM | 99% | 0 | RAIN |

Start Time: 630
End Time: 655
Start Point UTM: 18T 0363098 4891710
End Point UTM: 18T 0363011 4891298
Habitat: GRASSLAND with shrubs
Transect: #2
Feature #:

| Species | Tally |
|---|---|
| BOBO | ~~IIII~~ I |
| EAKI | IIII |
| YWAR | ~~IIII~~ ~~IIII~~ |
| RWBL | IIII |
| MODO | I |
| AMCR | I |
| GRCA | II |
| COYE | II |
| PRTH | I |
| SOSP | IIII |
| BAOR | I |
| COGR | ~~IIII~~ I |
| NOCA | I |
| EATO | I |
| FISP | I |
| AMRO | IIII |
| LISP | I |
| CORA | I |
| BACO | II |
| AMGO | II |
| | |

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

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Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: AMHERST IS
Date: MAY 19, 2011
Field Personnel: BOB STAMT

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 15°C | E-2 | 60% | 0 | RAIN |

Start Time: 757
End Time: 824
Start Point UTM: 18T 0369407 4893542
End Point UTM: 18T 0369645 4893160
Habitat: GRASSLAND
Transect: #5
Feature #:

| Species | Tally |
|---|---|
| BLBW | \|\|\|\| |
| BTNW | \|\| |
| AMCR | \| |
| SOSP | \|\| |
| YWAR | \|\|\|\| |
| AMRO | \|\|\|\| |
| EAME | \| |
| CSWA | \| |
| WISN | \|\| |
| HOWR | \| |
| EAKI | \| |
| BAOR | \| |
| MAWA | \| |
| TRES | ~~\|\|\|\|~~ ~~\|\|\|\|~~ \| |
| REVI | \|\| |
| GRCA | \| |
| RBGR | \| |
| CMWA | \|\| |
| COYE | \| |
| WAVI | \|\| |
| YRWA | \| |

Pg. 1 of 2

Signature: (Field Personnel)

Quality Control: This form is complete ☑ ~~& legible ☐~~

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

| Species | Tally |
|---|---|
| PAWA | I |
| BBWA | I |
| NOWA | I |
| BCCH | I |
| NAWA | I |
| YEWA | I |
| BRTH | II |
| MODO | I |
| HOSP | II |
| SAVS | II |
| BOBO | I |
| RWBL | IIII |
| AMCR | I |
| PUFI | II |
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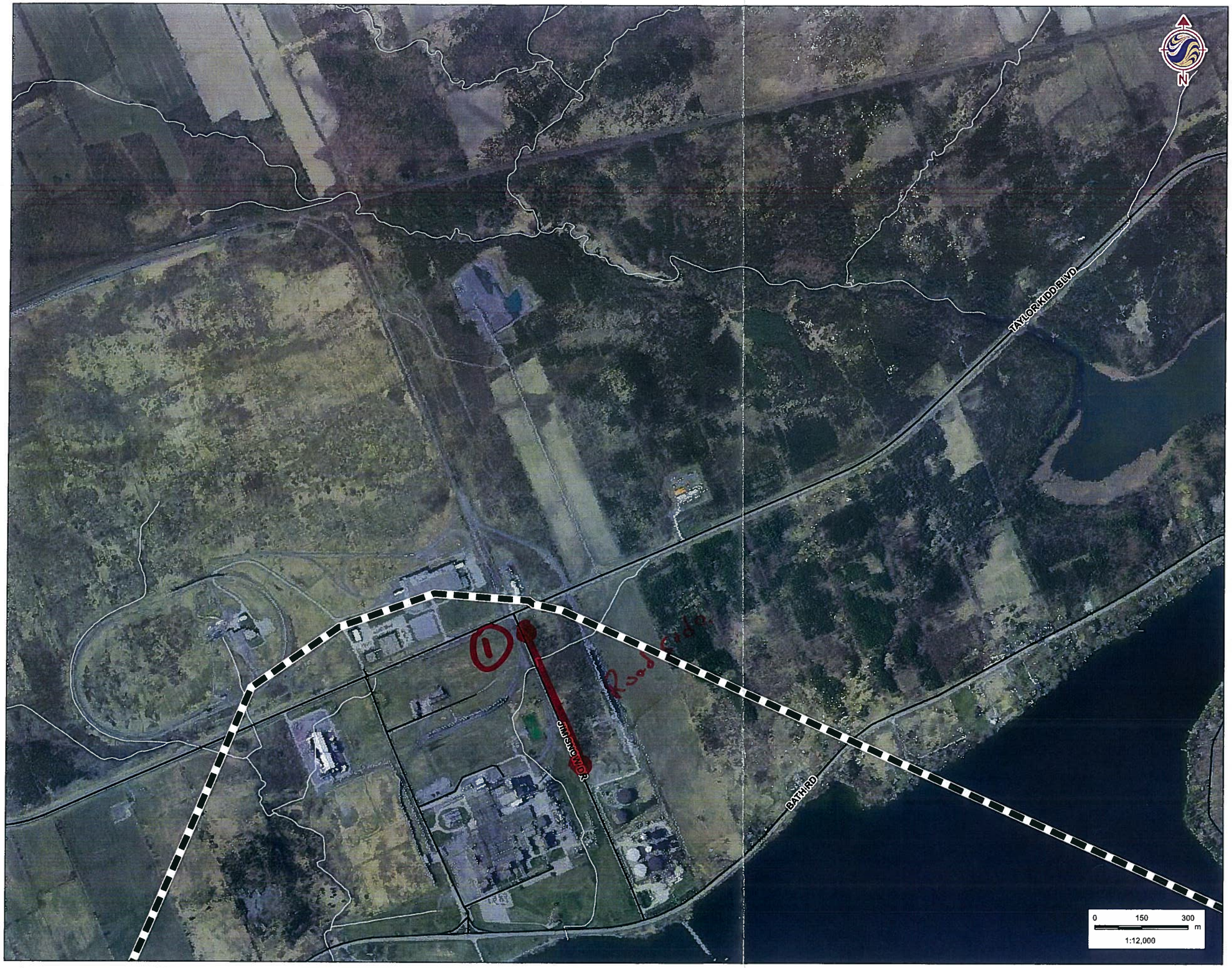
Pg. 2 of 2

Signature: [illegible] (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

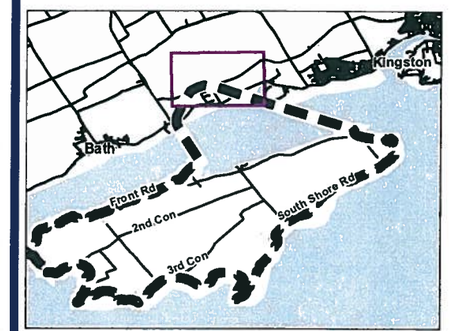
Signature: [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014




## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station




## Notes

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April 2011
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Client/Project
Client
Title
Project

Figure No.
Tile 1

Title
**FIELD MAPBOOK**

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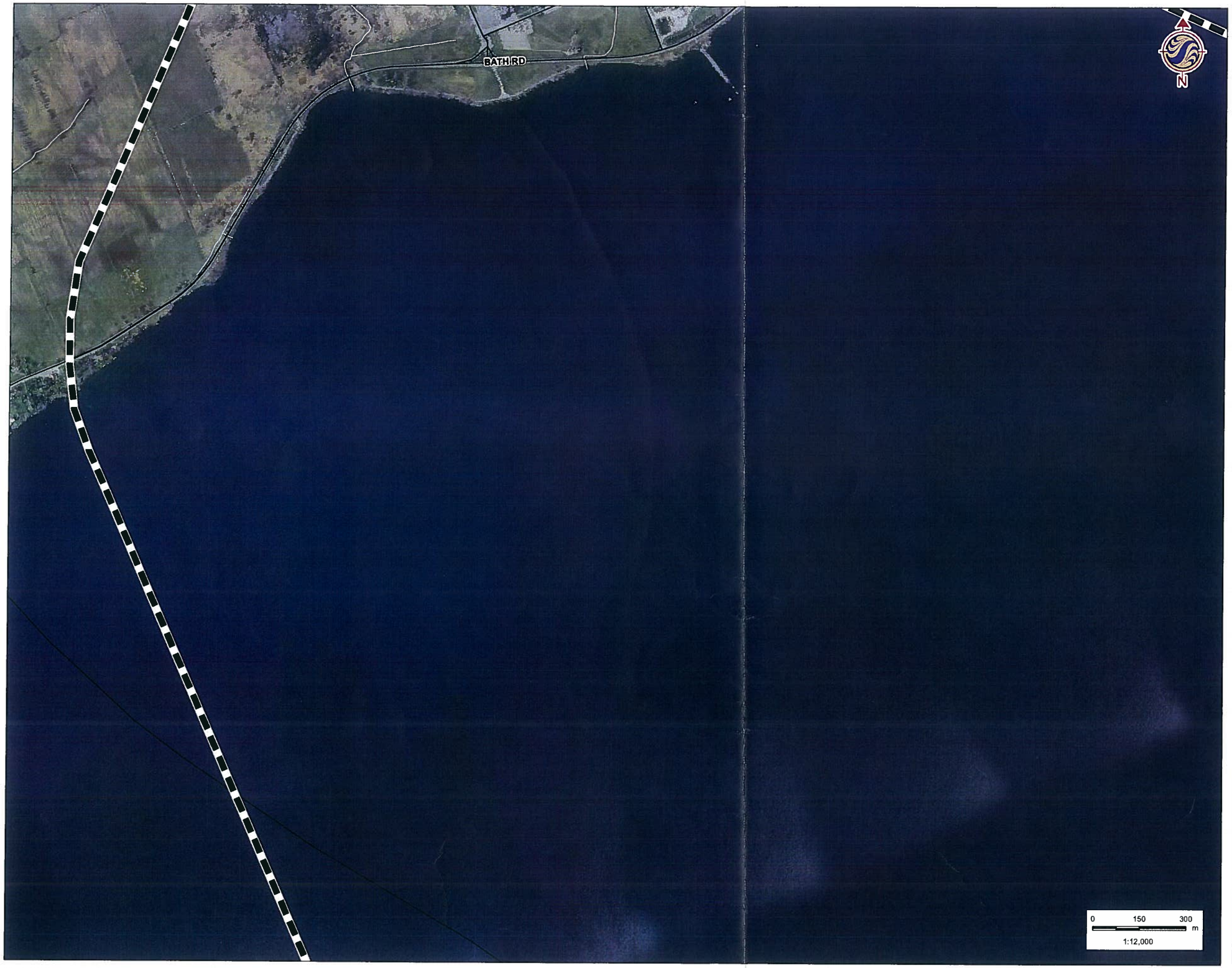
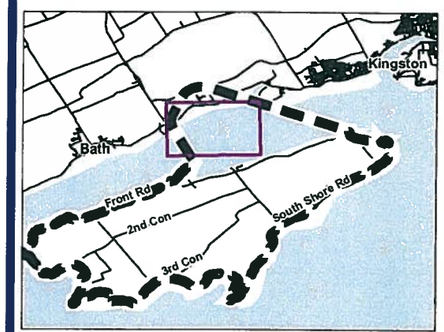
Revised on: 2011-04-15 By: pworsell




## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Title
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Figure No.
Tile 2

Title
**FIELD MAPBOOK**

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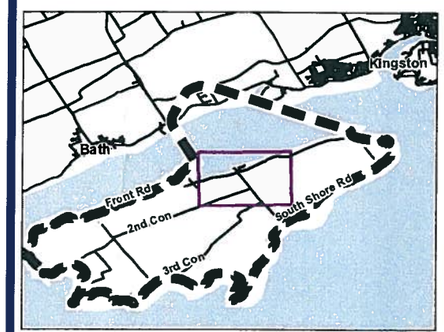
Revised on: 2011-04-15 By: pworsell

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client
Title
Project

Figure No.
Tile 3

Title
**FIELD MAPBOOK**

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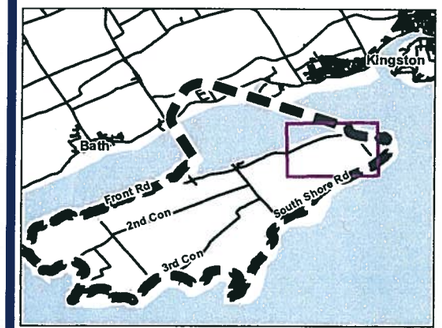
Revised on: 2011-04-15 By: pworsell

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client
Title
Project

Figure No.
Tile 4

Title
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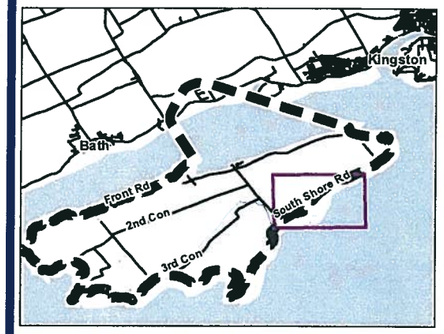
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client
Title
Project

Figure No.
Tile 5

Title
**FIELD MAPBOOK**

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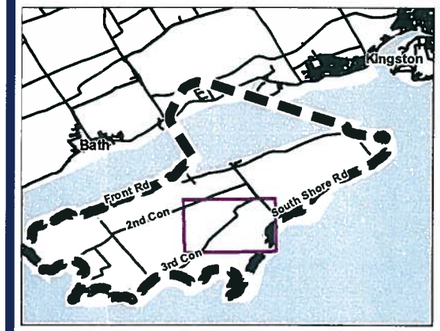
Revised on: 2011-04-15 By: pworsell

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client
Title
Project

Figure No.
Tile 6

Title
**FIELD MAPBOOK**

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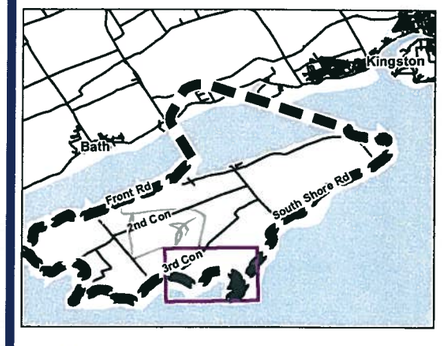
Revised on: 2011-04-15 By: pworsell

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client
Title
Project

Figure No.
Tile 7

Title
**FIELD MAPBOOK**

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## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

## Notes

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Client/Project
Client
Title
Project

Figure No.
Tile 8

Title
**FIELD MAPBOOK**

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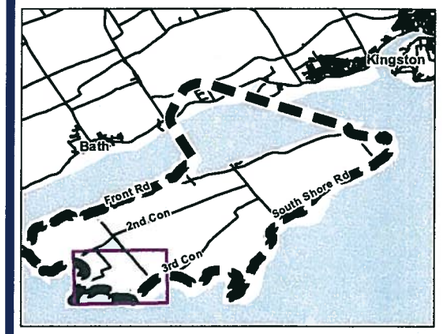
Revised on: 2011-04-15 By: ewarnell

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client
Title
Project

Figure No.
Tile 9

Title
**FIELD MAPBOOK**

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## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

## Notes

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Client/Project
Client
Title
Project

Figure No.
Tile 10

Title
**FIELD MAPBOOK**

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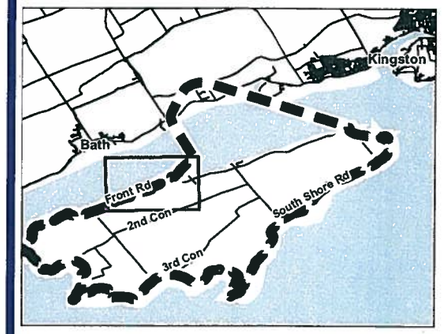
Revised on: 2011-04-15 By: pwynnyll

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client/Project
Client
Title
Project

Figure No.
Tile 11

Title
**FIELD MAPBOOK**

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: May 26/11

Field Personnel: Matthew Ross

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 15° | 2 | 100 % | None | Rain |

Start Time: 11:52

End Time: 12:27

Start Point UTM: 365038 4887960

End Point UTM: 365002 4888463

Habitat: Ash Swamp

Transect: 8

Feature #:

| Species | Tally |
|---|---|
| YEWA | ~~IIII~~ ~~IIII~~ ~~IIII~~ |
| WAVI | II |
| RWBL | ~~IIII~~ |
| EAWP | I |
| CAWA | I |
| SOSP | IIII |
| TRES | ~~IIII~~ II |
| AMCR | I |
| SWSP | II |
| WBNU | I |
| COYE | I |
| AMRO | IIII |
| AMGO | II |
| | |
| COGR | II |
| EUST | II |
| REVI | I |
| MAWA | I |
| BTGW | I |
| BPWT | I |
| HOWR | I |

Pg. 1 of 2

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

| Species | Tally |
|---|---|
| BOAR | II |
| LEFL | II |
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Pg. 2 of 2

Quality Control: This form is complete ☐ & legible ☐.

**Signature:** _____ (Field Personnel)

**Signature:** _____ (Project Manager)

REV: 2011-05-03 / FORM 014

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Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

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# Migratory Bird Survey Observation Form

Project Number: 160960595 | Project Name: Amherst Island

Date: May 26/11 | Field Personnel: Matthew Ross

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 14° | 2 | 85% | None | Rain |

**Start Time:** 8:03 | **End Time:** 9:21

**Start Point UTM:** 359714 4887186 | **End Point UTM:** 360085 4887526

**Habitat:** Ash lowland | **Transect:** 11

**Feature #:**

| Species | Tally |
|---|---|
| RBGR | I |
| WOTH | I |
| EAWP | I |
| AMRO | ~~IIII~~ I |
| HOWR | II |
| GCFL | I |
| BTGW | I |
| SOSP | I |
| COYE | II |
| RWBL | IIII |
| AMCR | ~~IIII~~ I (mobbing a raptor) |
| BLJA | I |
| BCCH | I |
| EUST | III |
| REVI | I |
| YEWA | III |
| AMRE | I |
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Pg. 1 of 1

Quality Control: This form is complete ☐ & legible ☐.

**Signature:** (Field Personnel)

**Signature:** (Project Manager)

REV: 2011-05-03 / FORM 014

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Tel: (519) 836-6050
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# Migratory Bird Survey Observation Form

Project Number: 160960595 | Project Name: Amherst Island

Date: May 26/11 | Field Personnel: Matthew Ross

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 14° | 2 | 75% | None | Rain |

**Start Time:** 6:36 | **End Time:** 6:54

**Start Point UTM:** 358458 4886409 | **End Point UTM:** 358460 4885954

**Habitat:** Ash Lowland | **Transect:** 10

**Feature #:**

| Species | Tally |
|---|---|
| GCFL | II |
| BOAR | I |
| SOSP | III |
| AMRO | IIII |
| YEWA | II |
| HOWR | II |
| COYE | II |
| RBGR | III |
| BCCH | II |
| EAWP | I |
| REVI | I |
| WOTH | I |
| EUST | II |
| RBWO | I |
| AMCR | I |
| RWBL | III |
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Pg. 1 of 1

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Field Personnel)

**Signature:** (Project Manager)

REV: 2011-05-03 / FORM 014

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Tel: (519) 836-6050
Fax: (519) 836-2493

# Migratory Bird Survey Observation Form

Project Number: 160960595 | Project Name: Amherst Island

Date: May 26/11 | Field Personnel: Matthew Ross

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 14° | 2 | 75% | None | Rain |

**Start Time:** 7:20 | **End Time:** 7:35

**Start Point UTM:** 357648 4857954 | **End Point UTM:** 357165 4887817

**Habitat:** Swamp thicket / Ash lowland / Red cedar coniferous | **Transect:** 12

**Feature #:**

| Species | Tally |
|---|---|
| YEWA | IIII |
| ALFI | IIII |
| AMRO | ~~IIII~~ |
| EATO | IIII |
| SOSP | ~~IIII~~ I |
| AMCR | II |
| AMGO | II |
| RBGR | II |
| NOCA | I |
| COYE | III |
| BLJA | II |
| WOTH | I |
| WBNU | I |
| GCFL | I |
| GRCA | I |
| FISP | I |
| BCCH | II |
| COGR | I |
| CEDW | IIII |
| EUST | I |
| | |

Pg. 1 of 1

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Field Personnel)

**Signature:** (Project Manager)

REV: 2011-05-03 / FORM 014

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Canada N1G 4P5
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Fax: (519) 836-2493

# Migratory Bird Survey Observation Form

Project Number: 160960595 | Project Name: Amherst Island

Date: May 26/11 | Field Personnel: Matthew Ross

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 14° | 2 | 100% | Light Rain | Rain |

Start Time: 8:43 | End Time: 8:55

Start Point UTM: 358748 4888546 | End Point UTM: 358415 4888930

Habitat: Ash lowland / thicket / Red Cedar forest | Transect: 9

Feature #:

| Species | Tally |
|---|---|
| YEWA | I |
| SWSP | I |
| SOSP | II |
| COYE | I |
| MODO | I |
| AMGO | II |
| RWBL | ~~IIII~~ |
| AMRO | II |
| TRES | II |
| BCJA | I |
| FISP | I |
| BRTH | I |
| EATO | I |
| NAWA | I |
| BOAR | I |
| BCCH | II |
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Pg. 1 of 1

Quality Control: This form is complete ☐ ~~& legible ☐~~.

Signature: (Field Personnel)

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: May 26, 2011

Field Personnel: Matthew Ross

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 14° | 2 | 100% | None | Rain |

Start Time: 9:34

End Time: 9:49

Start Point UTM: 360099 4890403

End Point UTM: 360355 4889975

Habitat: Dogwood Thicket

Transect: 13

Feature #:

| Species | Tally |
|---|---|
| BOBO | III |
| YEWA | ~~IIII~~ ~~IIII~~ I |
| COYE | II |
| WIFL | III |
| SAVS | III |
| SOSP | ~~IIII~~ |
| AMRO | II |
| EAME | I |
| COGR | II |
| TRES | I |
| | |
| BHCO | III |
| BRTH | I |
| CCSP | I |
| GRCA | II |
| | |
| (GHSP in adjacent field) | |
| NOHA in snag within survey area to W | |
| | |
| | |
| | |

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

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Fax: (519) 836-2493

# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: May 26/11

Field Personnel: Matthew Ross

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 16° | 2 | 100 | None | Rain |

Start Time: 10:45

End Time: 11:02

Start Point UTM: 367682 4890933

End Point UTM: 367427 4891329

Habitat: Hawthorn / dogwood thicket

Transect: 6

Feature #:

| Species | Tally |
|---|---|
| WAVI | I |
| SOSP | ~~IIII~~ II |
| YEWA | ~~IIII~~ ~~IIII~~ ~~IIII~~ |
| AMRO | III |
| REVI | I |
| RWBL | ~~IIII~~ |
| BPWA | I |
| BCCH | II |
| COGR | II |
| WIFL | III |
| COYE | II |
| GRCA | II |
| WIWA | I |
| BHCO | I |
| HOWR | I |
| EATO | I |
| | |
| | |
| | |
| | |
| | |

Pg. 1 of 1

Quality Control: This form is complete ☒ & legible ☑

Signature: (Field Personnel)

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595 | Project Name: Amherst Island

Date: May 26/11 | Field Personnel: Matthew Ross + Doug Gratian

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 16° | 2 | 85% | None | Rain |

Start Time: 2:25 | End Time: 2:40

Start Point UTM: 362838 4897016 | End Point UTM: 363047 4896562

Habitat: Ash lowland/Dogwood thicket/Red cedar | Transect: 1

Feature #:

| Species | Tally |
|---|---|
| COYE | //// |
| YEWA | ~~////~~ /// |
| RWBL | ~~////~~ |
| SOSP | ~~////~~ // |
| AMGO | //// |
| MODO | // |
| NOOR | / |
| COGR | /// |
| AMRO | //// |
| HOFI | / |
| HOWR | // |
| AMCR | / |
| BCCH | / |
| TRSW | //// |
| EAKI | / |
| EUST | ~~////~~ |
| EAME | / |
| BHCO | /// |
| | |
| | |
| | |

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☐ ~~& legible~~ ☐

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst
Date: May 26
Field Personnel: D. Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 14 | 1 | 80% | / | Rain |

Start Time: 7:13
End Time: 7:58
Start Point UTM: 298 365066, 4890713
End Point UTM: 299 365567, 4890662
Habitat: FOD - lowland ash / SWT
Transect: 3
Feature #:

| Species | Tally | | |
|---|---|---|---|
| HOWR | III | SWSP | I |
| WOTH | IIII | SOSP | I |
| BLWA | II | GCFL | I |
| WBNU | I | NOFL | I |
| REVI | IIII | | |
| EWPE | II | | |
| AMRO | ~~IIII~~ | | |
| AMRE | III | | |
| CSWA | I | | |
| COYE | III | | |
| EATO | I | | |
| RBGR | ~~IIII~~ | | |
| BHCO | ~~III~~ | | |
| YEWA | IIII | | |
| MODO | III | | |
| RWBL | I | | |
| EATO | I | | |
| EVST | III | | |
| GRCA | II | | |
| AMWO | I | | |
| AMCR | I | | |

Pg. 1 of 1

Signature: Don Graham
(Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: [illegible]
(Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: May 26, 2011

Field Personnel: D. Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 14 | 1 | 100% | Rain | Rain |

Start Time: 8:40

End Time: 9:15

Start Point UTM: 300 368127, 4891747

End Point UTM: 301 367858, 4892170

Habitat: SWT - grey dogwood - spiraea

Transect: 4

Feature #:

| Species | Tally |
|---|---|
| REVI | I |
| SOSP | ~~IIII~~ III |
| YEWA | ~~IIII~~ III |
| WIFL | IIII |
| BLJA | I |
| NOFL | I |
| MOWA | I |
| TRSW | I |
| EATO | II |
| COGR | I |
| RWBL | I |
| EAKI | III |
| AMCR | II |
| ALFL | I |
| GRCA | I |

Pg. 1 of 1

Signature: Don Graham (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katrin [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: May 26, 2011

Field Personnel: D. Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 14 | 1 | 100% | None | Rain |

Start Time: 11:59

End Time: 12:37

Start Point UTM: 304 363296, 4888955

End Point UTM: 305 363041, 4888494

Habitat: SWD - bur oak - shagbark hickory don.

Transect: 7

Feature #:

| Species | Tally | | |
|---|---|---|---|
| YEWA | ~~IIII~~ IIII | WBNU | I |
| SOSP | IIII | AMRE | I |
| BLWA | II | | |
| GRCA | ~~IIII~~ | | |
| WOTH | ~~IIII~~ I | | |
| HOWR | I | | |
| RWBL | I | | |
| COYE | III | | |
| LEFL | I | | |
| AMRO | ~~IIII~~ II | | |
| RBGR | IIII | | |
| REVI | III | | |
| AMGO | II | | |
| CEWA | I | | |
| BHCO | II | | |
| NOWA | I | | |
| NOOR | III | | |
| TRSW | I | | |
| BTBW | I | | |
| EUST | IIII | | |
| NOFL | I | | |

Pg. 1 of 1

Signature: Don Graham (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katrina [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: May 26, 2011
Field Personnel: Don Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 14 C | 1 | 80% | None | Rain |

Start Time: 6:20
End Time: 6:54
Start Point UTM: 296 362972, 4891627
End Point UTM: 297 362805, 4891202
Habitat: CUM1 CUT- grey dogwood dom.
Transect: 2..
Feature #:

| Species | Tally | | |
|---|---|---|---|
| Orchard Oriole | I 2nd yr male | CEWA | 15 |
| SOSP | III | FISP | III |
| EAKI | III | AMGO | II |
| RWBL | ~~IIII~~ | AMCR | ~~IIII~~ I |
| COYE | IIII | RBGR | II |
| AMRO | III | PAWA | I |
| WIFL | IIII | | |
| YEWA | ~~IIII~~ II | | |
| WAVI | I | | |
| CORA | I | | |
| GRSP | I | | |
| EATO | III | | |
| GRCA | IIII | | |
| BLWA | II | | |
| NOOR | IIII | | |
| COGR | I | | |
| BCCH | II | | |
| BHCO | IIII | | |
| WOTH | II | | |
| NOCA | II | | |
| CSWA | I | | |

Pg. 1 of 1

Signature: Don Graham
(Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katrin Sm
(Project Manager)

REV: 2011-05-03 / FORM 014

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: May 26, 2011
Field Personnel: D. Graham

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 14 | 1 | 100% | None | Rain |

Start Time: 10:51
End Time: 11:45
Start Point UTM: 302 369661, 4893144
End Point UTM: 303 369391, 4893574
Habitat: CUW - white pines on north side of road.
Transect: 5
Feature #:

| Species | Tally |
|---|---|
| Grassland is the predominant habitat along transect & grassland birds such as BOBO, SASP are not recorded | |
| CHSP | I |
| TRSW | III |
| WIFL | IIII |
| RWBL | ~~IIII~~ II |
| AMGO | I |
| YEWA | ~~IIII~~ I |
| SWSP | I |
| AMRO | IIII |
| EAKI | II |
| AMGO | ~~IIII~~ II |
| BHCO | I |
| WAVI | II |
| HOSP | II |
| EUST | I |
| EWPE | I |
| BLWA | I |
| GRCA | I |

Pg. 1 of 1

Signature: Don Graham (Field Personnel)

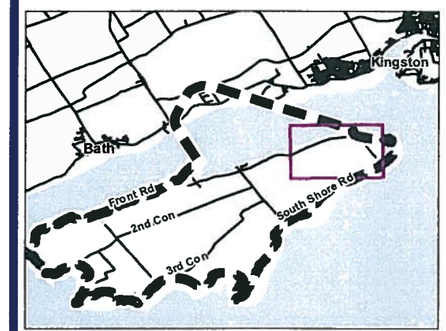
Quality Control: This form is complete ☐ & legible ☐.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client
Title
Project

Figure No.
Tile 4

Title
**FIELD MAPBOOK**

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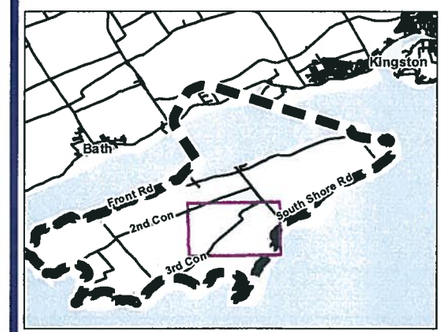
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client
Title
Project

Figure No.
Tile 6

Title
**FIELD MAPBOOK**

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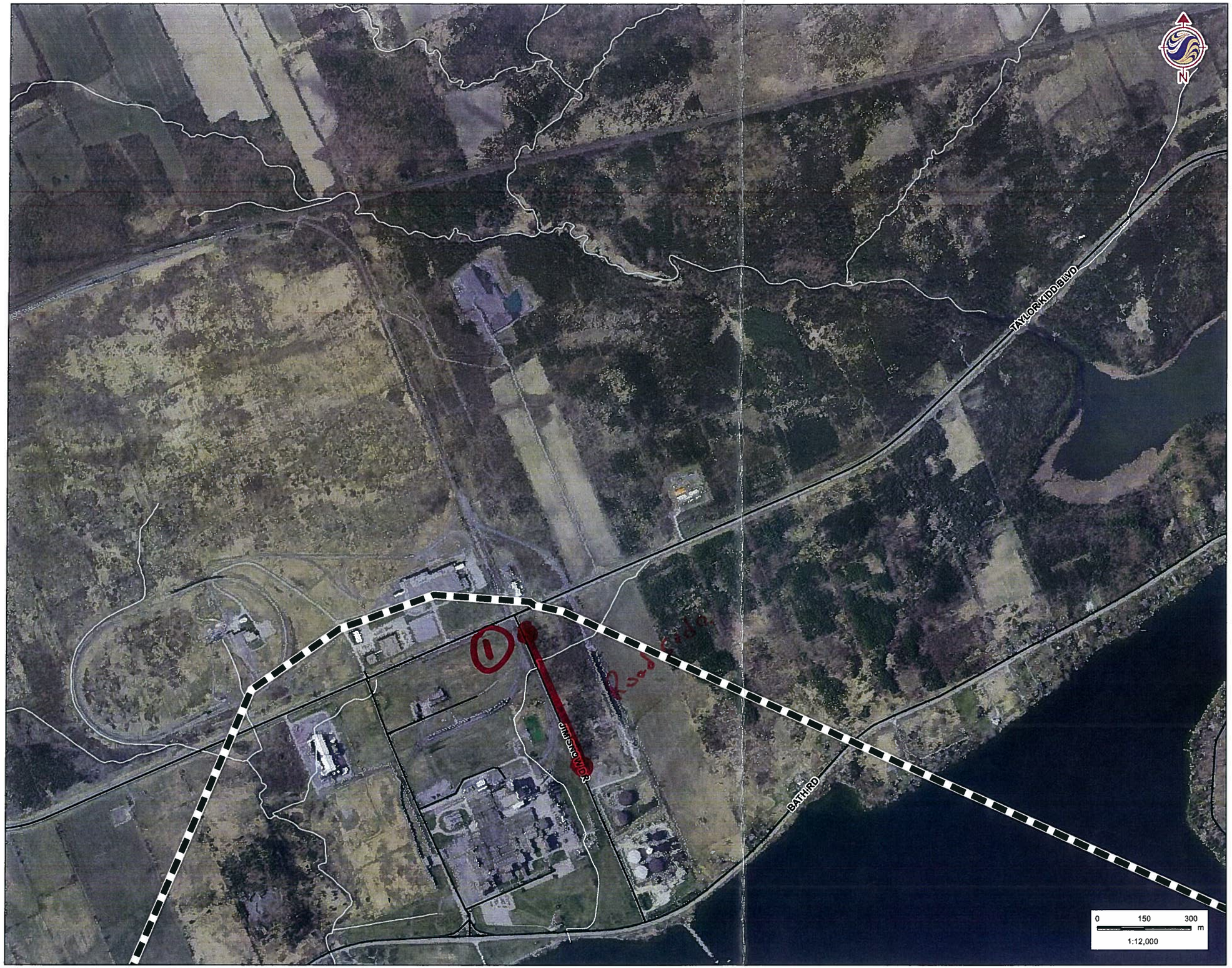
Revised on: 2011-04-15 By: pworsell

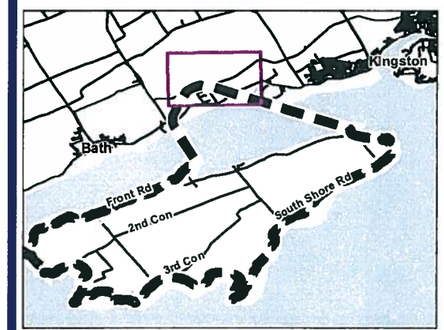



**Legend**

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

Fall Migratory Passerine Transects

13 Transects

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Sept. 2, 2011

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Client/Project
Client
Title
Project

Figure No.
Tile 1

Title
**FIELD MAPBOOK**

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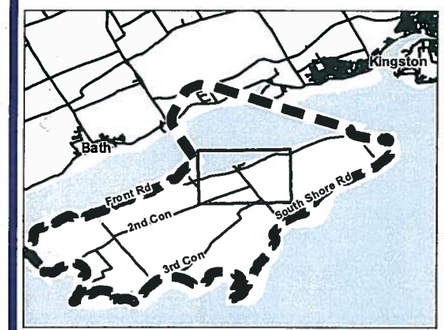
Revised on: 2011-04-15 By: pworsell

## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

Sept. 2, 2011
Alan Wormington

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Client
Title
Project

Figure No.
Tile 3

Title
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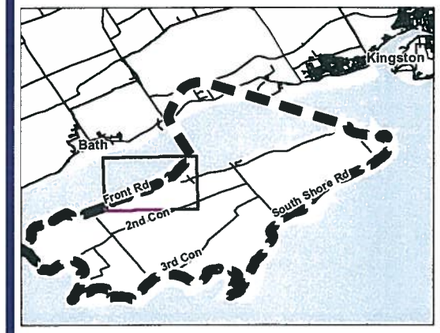
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client
Title
Project

Figure No.
Tile 11

Title
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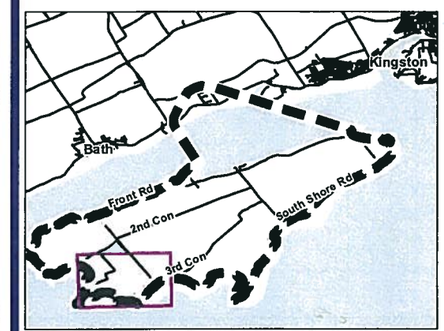
## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

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Client/Project
Client
Title
Project

Figure No.
Tile 9

Title
**FIELD MAPBOOK**

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## Legend

- Study Area
- Road
- Watercourse
- Property Boundaries
- Signed Property
- Amphibian Station

## Notes

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Client
Title
Project

Figure No.
Tile 10

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# Migratory Bird Survey Observation Form

Project Number: 160960595 Project Name: Amherst

Date: Sep 1, 2011 Field Personnel: R Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18 | 2-3 E | 80 | ~~DROWT~~ — | LIGHT |

Start Time: 0635 End Time: 0655

Start Point UTM: 003 End Point UTM: 004

Habitat: Grassland w/ some trees. Transect: 5

Feature #: Transect 5

| Species | Tally |
|---|---|
| DCCO - | ~~\|\|\|\|~~ ~~\|\|\|\|~~ \| |
| BOBO - | ~~\|\|\|\|~~ \|\|\|\| |
| SASP - | \| |
| CABO - | 10, |
| OSPR - | \| |
| SMAR - | \| |
| AMGO - | \| |
| GBHE - | \| |
| EUST - | \|\|\|\| |
| COME - | \|\| |
| NOHA - | \| |
| BCSA - | \| |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Pg. 1 of 4

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine Stanes (Project Manager)

REV: 2011-05-03 / FORM 014a

| Species | Tally | |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| TRANSECT 4 | | HABITAT: SCRUB/Grassland |
| TIME | UTM: | |
| START 0715 | START 005 | |
| END 0736 | END: 006 | |
| | | |
| | | |
| BUBU | ++++ | |
| GRCA- | \|\| | |
| CEFC- | \| | |
| BCCH- | \|\|\|\| | |
| EATO- | \| | |
| YLAR- | \|\|\|\| | |
| MAWA- | \| | |
| COYE- | \|\|\| | |
| WIWA- | \| | |
| AMRO- | \| | |
| AMGO- | \|\|\|\| | |
| REVI- | \|\|\| | |
| BCPW- | \| | |
| BAOR- | \| | |
| BCBU- | \| | BCSA-\| |
| AMRE- | \| | AMCR-\| |
| SOSP- | \|\|\|\| | NOCA-\| |
| HOWR- | \| | CAGO-\|\| |
| AMKE- | \| | EUST-\| |

Pg. 2 of 4

Signature: _____ (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine Stames (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595 Project Name: Amherst

Date: Sep 1, 2011 Field Personnel: B. Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 19 | 3-4 SSE | 95% | / | Drizzle |

Start Time: 0801 End Time: 0821

Start Point UTM: End Point UTM:

Habitat: Woods Transect: 6

Feature #:

| Species | Tally |
|---|---|
| NOPO NOPO | 11 |
| HEGU | 1 |
| NOFC | 1 |
| SOSP | 11 |
| COGE | 11 |
| HEWR | 1 |
| RWBC | 1 |

Pg. 3 of 4

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine Sun (Project Manager)

REV: 2011-05-03 / FORM 014a

B.H. Amherst Sep 1, 2011

| Species | Tally |
|---|---|
| | START: 0847 END: 0913 |
| TRANSECT #9 | UTM: Start: End: |
| | HABITAT: Young Woods, Grass, Marsh |
| BCJA - | ~~||||~~ ~~||||~~ || |
| NOFL - | \| |
| AMKE - | \|\|\|\| |
| RUBC - | \|\| |
| SLTSP - | \| |
| CEDW - | \|\|\|\| |
| AMCR - | ~~||||~~ \| |
| AMGO - | \| |
| AMRO - | \| |
| SSHA - | \| |
| TRES - | \|\| |
| BARS - | \| |
| NOCA - | \| |
| ~~AMRE~~ - | \|\| |
| EATO - | \| |
| CMYE - | \| |
| BCCH - | ~~||||~~ \|\|\| |
| SOSP - | \| |
| REVI - | \|\| |
| BOBO - | \|\| |

Pg. 4 of 4

Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: Katherine Shum (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst

Date: Sept. 1, 2011

Field Personnel: Alan Worrington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 2 | calm | 90 | 0 | 0 |

Start Time: 0715

End Time: 0725

2½ Start Point UTM: 0360104 / 4890392

End Point UTM: 0360296 / 4890077 25

Habitat: Field / shrub edge

Transect: 13

Feature #:

| Species | Tally |
|---|---|
| CORA | 1 |
| AMCR | 1 |
| SAVS | 1 |
| COYE | 1 |
| SOSP | 1 |
| | |
| | |
| | |
| | |
| | Returning: |
| | |
| LISP | 1 |
| | |
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| | |

Pg. ___ of ___

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst

Date: Sept. 1, 2011

Field Personnel: Alan Worminga

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22 | light SW | 90 | 0 | 0 |

Start Time: 0808

End Time: 0826

27 Start Point UTM: 0357170/4887706

End Point UTM: 0357172/4887709 28

Habitat: Old Fields

Transect: 12

Feature #:

| Species | Tally |
|---|---|
| EAKI | I |
| EATO | I |
| SOSP | III |
| BLJA | II |
| COYE | II |
| LISP | I |
| AMRO | I |
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Pg. ___ of ___

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst

Date: Sept 1, 2011

Field Personnel: Alan Warmington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22 | S (1) | 100 | 0 | 0 |

Start Time: 0852

End Time: 0920

30 Start Point UTM: 0357608/4887943

End Point UTM: 0357~~608~~8475/4885907 (32)

Habitat: Forest

Transect: 10

Feature #:

| Species | Tally |
|---|---|
| BLJA | 1 |
| WITU | 1 |
| sparrow | 1 |
| EAWP | 1 |
| Cathurus thrush | 1 |
| ~~[illegible]~~ NOWA | 1 |

Pg. ___ of ___

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst
Date: Sep 2, 2011
Field Personnel: B. Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20-21 | 3-5 | 15%-5% | — | — |

Start Time: 0641
End Time: 0721
Start Point UTM:
End Point UTM:
Habitat: Woodlots / Edge.
Transect: 8
Feature #:

| Species | Tally |
|---|---|
| EAWP- | I |
| AMRO- | IIII |
| BOBO- | ~~IIII~~ I (Flyovers) |
| RWBL- | ~~IIII~~ |
| BCCH- | II |
| SWSP- | II |
| SOSP- | III |
| COYE- | I |
| EUST- | IIII |

Pg. 1 of 3

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: Katherine [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014a

HABITAT:

| Species | Tally | |
|---|---|---|
| | START | END |
| TRANSECT #7 | Time: 0755 | TIME 0819 |
| Forest | UTM. | UTM |
| | | |
| | | |
| | | |
| SOSP- | III | |
| UPSA UPSA- | I | (Flyover) |
| MOBO | II | |
| BCSA- | IIII | |
| GRCA- | I | |
| AMCR- | II | |
| AMGO | II | |
| | | |
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| | | |
| | Lance-tailed Dancers | |

Pg. 2 of 3

Quality Control: This form is complete ☒ & legible ☒.

**Signature:** _____ (Field Personnel)

**Signature:** Katherine Stu _____ (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst

Date: Sept. 1, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22 | S (2) | 50 | 0 | 0 |

Start Time: 0950

End Time: 1015

33 Start Point UTM: 0359713 / 4887102

End Point UTM: 0360077 / 4887450 35

Habitat: Forest

Transect: 11

Feature #:

| Species | Tally |
|---|---|
| BLJA | 1 |
| EAWP | 11 |
| | |
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Giant Swallowtail 1 ragged
Buckeye 1 ragged

Pg. ___ of ___

Signature: [signature] (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathrine [signature] (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst

Date: Sept. 2, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 19 | S (1) | 50 | 0 | 0 |

Start Time: 0702

End Time: 0730

37 Start Point UTM: 0365184/4890650

End Point UTM: 0365576/4891006 38

Habitat: Swamp

Transect: 3

Feature #:

| Species | Tally |
|---|---|
| | |
| | |
| | |
| | |
| NO BIRDS! | |
| | |
| | |
| | |
| Dense Shrub Swamp! | |
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Pg. ___ of ___

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine Shu (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst

Date: Sept 2, 2011

Field Personnel: Alex Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18 | S (2) | 50 | 0 | 0 |

Start Time: 0929

End Time: 0944

35 Start Point UTM: 0362843/4897034

End Point UTM: 0363042/4896576 44

Habitat: roadway / overgrown field

Transect: 1

Feature #:

| Species | Tally |
|---|---|
| EUST | ~~IIII~~ ~~IIII~~ ~~IIII~~ II |
| C WAXWING | I |
| MODO | I |

Pg. ___ of ___

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine Sh (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst

Date: Sep 2, 2011

Field Personnel: B. Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 5 | lec | ny | one | |

Start Time: 0850

End Time: 0927

Start Point UTM:

End Point UTM:

Habitat: Pasture / woods.

Transect: 2

Feature #:

| Species | Tally |
|---|---|
| BRTH | II |
| SOSP | ~~IIII~~ ~~IIII~~ I |
| COME | IIII |
| AMCR | II |
| TREs | IIII |
| SWSP | II |
| WTSP | I |
| EATO | II |
| TREL | I |
| RWBL | ~~IIII~~ II |
| MARE | II |
| AMGO | II |
| BHCO | I |
| CASP | I |
| | |
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Pg. 2 of 2

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: Kathrin Sh (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: 160960595 Project Name: Amherst

Date: Sep 8, 2011 Field Personnel: B. Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18°C | NE - 5 | 80-100% | / | Drizzle |

Start Time: 0638 End Time: 0706

Start Point UTM: End Point UTM:

Habitat: Woods/Edge. Transect: 8

Feature #:

| Species | Tally |
|---|---|
| AMGR | II |
| AMGO | IIII |
| AMRE | I |
| NOFC | I |
| SOSP | HHII |
| COYE | IIII |
| SWSP | I |
| BCCH | III |
| HOWR | II |

Pg. 1 of 3

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

| Species | Tally |
|---|---|
| TRANSECT # 7 | START 0739 END 0809 |
| | Forest |
| RTHU- | 1 |
| AMCR- | III |
| COYE- | II |
| SOSP- | III |
| BLJA- | II |
| RBGR- | 1 |
| HEWR- | 1 |

Pg. 2 of 2

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595 Project Name: Amherst

Date: Sep 8, 2011 Field Personnel: BH

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | ~~PPT (in last 24 hrs):~~ |
|---|---|---|---|---|---|
| | 5-6 | 0-1 | 0-1 | | |

Start Time: 0905 End Time: 0932

Start Point UTM: End Point UTM:

Habitat: pasture/woods Transect: 2

Feature #:

| Species | Tally |
|---|---|
| AMGO- | IIII |
| BOBO- | II -flyovers |
| NOFL- | I |
| GRCA- | I |
| COYE- | ~~IIII~~ |
| WIWA- | I |
| ~~EAPH-~~ | ~~I~~ |
| MAWA- | I |
| RBVI- | I |
| LEFL- | I |
| MOUO- | I |
| BRTH- | I |
| SOSP- | IIII |

Pg. 3 of ___

Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst

Date: Sept. 8, 2011

Field Personnel: Alan Warmington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 16 | NE (1) | 100 | 0 | trace? |

Start Time: 0753

End Time: 0815

Start Point UTM:

End Point UTM:

Habitat: Forest

Transect: 10

Feature #:

| Species | Tally |
|---|---|
| OVEN | II |
| CORA | I |
| EAWP | I |
| REVI | I |
| | |
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Pg. ___ of ___

Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: Katherine [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst
Date: Sept. 8, 2011
Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 16 | NE (2) | 100 | 0 | trace? |

Start Time: 0847
End Time: 0907
Start Point UTM:
End Point UTM:
Habitat: Old fields.
Transect: 12
Feature #:

| Species | Tally |
|---|---|
| COYE | III |
| ~~unidentified sparrow~~ | |
| SOSP | I |
| MAWA | ~~IIII~~ ~~IIII~~ II |
| TEWA | I |
| NAWA | II |
| AMRE | III |
| BCCH | III |
| Blthr Green WA | I |
| EAWP | I |
| WIWA | I |
| un. Warbler | ~~IIII~~ ~~IIII~~ II (warbler sp.) |
| REVI | IIII |
| CSWA | I |
| AMRO | I |
| PAWA | I |
| | |
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Pg. ___ of ___

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst
Date: Sept. 8, 2011
Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 16 | NE (2) | 100 | 0 | trace? |

Start Time: 0939
End Time: 0958
24 Start Point UTM:
End Point UTM: 0360367/4889964 (42) *
Habitat: Field/Shrub Edge.
Transect: 13
Feature #:

| Species | Tally |
|---|---|
| EUST | (17) + (6) + (65) → flocks flying NE |
| AMCR | 1 |
| SOSP | ~~IIII~~ |
| MAWA | 1 |

* new co-ordinates for end (south) point, since transect got short-changed during the first session (September 1). Way point is now #42

E Tailed-Blue 1 ex fresh ✓
C Buckeye 1 ex fresh ✓
Tawny-edged Skipper 1 ex fresh ✓

Pg. ___ of ___

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst

Date: Sept. 8, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 16 | NE (1) | 100 | 0 | trace? |

Start Time: 0714

End Time: 0731

Start Point UTM:

End Point UTM: 35

Habitat: Forest

Transect: 11

Feature #:

| Species | Tally |
|---|---|
| BLJA | I |
| AMRO | ~~IIII~~ II |
| EAWP | II |
| | |
| | |
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Pg. ___ of ___

Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst

Date: Sept. 9, 2011

Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18 | N (1) | 20 | 0 | 0 |

Start Time: 0922

End Time: 0938

Start Point UTM:

End Point UTM:

Habitat: Roadway/overgrown field

Transect: #1 (Mainland)

Feature #:

| Species | Tally |
|---|---|
| | |
| EUST | ~~\|\|\|\|~~ \|\|\|\| \|\|\|\| \|\|\|\| \|\| |
| RWBB | \| |
| Cwaxwing | ~~\|\|\|\|~~ |
| AMKE | \|\| |
| AMGO | ~~\|\|\|\|~~ \|\|\|\| |
| SOSP | \| |
| BLJA | \|\| |

Pg. ___ of ___

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst
Date: Sept. 9, 2011
Field Personnel: Alan Wormington

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 16 | Ø | 20 | 0 | 0 |

Start Time: 0720
End Time: 0750

37 Start Point UTM:
End Point UTM: 38

Habitat: Swamp
Transect: 3

Feature #:

| Species | Tally |
|---|---|
| PIWO | I ♀ |
| AMGO | ~~IIII~~ |
| GRCA | II |
| AMCR | II |
| BLJA | ~~IIII~~ |
| AMRO | II |
| AMWO | II |
| SOSP | I |
| HOWR | I |
| RBGR | I |
| | |
| | |
| | Returning (extras) |
| | |
| AMWO | II |
| BCCH | II |
| | |
| | |
| | |
| | |
| | |

Pg. ___ of ___

Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 595
Project Name: Amherst
Date: Sep 9, 11
Field Personnel: BH

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

Start Time: 0820
End Time: 0840
Start Point UTM:
End Point UTM:
Habitat: Woods
Transect: 6
Feature #:

| Species | Tally |
|---|---|
| BCCH - | ////1 |
| FASP - | 1 |
| EUST - | 11 |
| SOSP - | 1 |
| AMGO - | 1 |



Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

| Species | Tally |
|---|---|
| Habitat Young Woods, Grass, Marsh. | |
| TRANSECT #9 | START 0902 END 0926 |
| BCPH - | ~~\|\|\|\|~~ |
| BCSA - | ~~\|\|\|\|~~ \|\|\|\| |
| AMGO - | \|\| |
| AMRO - | \| |
| HOWR - | \|\| |
| SOSP - | \|\|\| |
| COYE - | \| |
| MAWA - | \| |
| GRCA - | \| |
| SSHA - | \| |
| AMRE - | \|\| |
| WILWA - | \| |
| OVEN - | \| |
| EATO - | \| |

Pg. 4 of 4

Signature: _____ (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: Kathrin [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595 | Project Name: Amherst

Date: Sep 9, 2011 | Field Personnel: B Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18-23 °C | 1-2 NE | 10 | | |

Start Time: 0635 | End Time:

Start Point UTM: | End Point UTM:

Habitat: grassland w some trees. | Transect: 5

Feature #:

| Species | Tally |
|---|---|
| – AMRO | I |
| AMCR – | II |
| SOSP – | I |
| COYE – | I |
| BTNW – | I |
| YWAR – | I |
| AMRE – | II |
| HOWR – | I |
| BaBO | ~~IIII~~ – flyovers |
| NOHA – | I |
| AMGO – | I |
| WIWA – | I |
| REVI – | II |
| GRCA – | I |
| BAWW – | I |
| CEDW – | II |
| – AMRO | IIII |
| SASP – | III |
| EAME – | II |

flyover warbler sp's – ~~IIII~~ II

Pg. 1 of 4

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

| Species | Tally |
|---|---|
| | Habitat: Scrub/Grassland |
| TRANSECT # | 4? START END |
| AMCR- | II |
| BCCH- | ~~IIII~~ |
| EATO- | I |
| AMRO- | II |
| NOFL- | I |
| HEWR- | II |
| SOSP- | ~~IIII~~ |
| BOBO- | III |
| NOHA- | I |
| GRCA- | I |
| EUST- | 10, |
| AMGO- | I |
| COYE- | III |
| YBFL- | I |

Pg. 3 of 4

Signature: _____ (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathleen [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: Sept 15/11
Field Personnel: Matthew Ross

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 9–12 | 2–3 | 95 | very light drizzle (intermittent) | rain |

Start Time: 7:34
End Time: 8:00
Start Point UTM: 357648 4887954
End Point UTM: 357165 4887817
Habitat: Scrub / Thicket
Transect: 12
Feature #:

| Species | Tally |
|---|---|
| SOSP | I |
| COYE | III |
| BLJA | ~~IIII~~ |
| BCCH | ~~IIII~~ I |
| PAWA | I |
| AMCR | I |
| CAGO | II (Fly over) |
| AMRO | II |
| GRCA | II |
| HOWR | I |
| MAWA | I |
| REVI | I |
| HAWO | I |
| AMGO | I |
| | |
| | |
| Incidental: | White Tailed Deer |
| | |
| | |
| | |
| | |

Pg. 1 of 3

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: Sept 15/11
Field Personnel: Matthew Ross

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 9-12 | 2-3 | 95 | intermittent light drizzle | Rain |

Start Time: 8:35
End Time: 9:05
Start Point UTM: 358458 4886409
End Point UTM: 3584601 4885954
Habitat: Green Ash lowland
Transect: 10
Feature #:

| Species | Tally |
|---|---|
| NOFL | 1 |
| EAWP | 1 |
| BLJA | 111 |
| WBNU | 1 |
| EVST | 1 |
| Empidonax Sp. | 1 |
| REVI | 1 |
| Several Warbler Sp foraging in canopy | |
| BCCH | 1 |
| CSWA | 1 |
| AMRE | 1 |
| BAWW | 1 |
| | |
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Pg. 2 of 3

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: Sept 15/11
Field Personnel: Matthew Ross

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 9 -12 | 2-3 | 95 | None | light rain |

Start Time: 9:48
End Time: 10:17
Start Point UTM: 360099 4890403
End Point UTM: 360355 4889975
Habitat: Scrub
Transect: 13
Feature #:

| Species | Tally |
|---|---|
| AMRO | I |
| EUST | ~~IIII~~ IIII +50 (Flyover) |
| GRCA | II |
| SOSP | III |
| COYE | III |
| AMCR | III |
| NOHA | I |
| SWSP | I |
| SAVS | I |
| | |
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| | |

Pg. 3 of 3

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 595 Project Name: Amherst

Date: Sep 15, 11 Field Personnel: BH

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PRT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

Start Time: 0819 End Time: 0850

Start Point UTM: End Point UTM:

Habitat: Woods. Transect: 6

Feature #:

| Species | Tally |
|---|---|
| SOSP | II |
| EUST- | I |
| BLPW- | II |
| BAWW | I |
| WIWA- | I |
| BCCH- | I |
| REVI- | I |

Pg. 3 of 4

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014a

young woods/grass/marsh

TRANSECT: 9 START 0912 END 0929

| Species | Tally |
|---|---|
| AMRO | I |
| BLSA | ~~IIII~~ I |
| BTBW | I |
| CEDU | ~~IIII~~ ~~IIII~~ II |
| NOCA | II |
| GRCA | I |
| NOFL | I |
| SOSP | ~~IIII~~ II |
| CHSP | II |
| FISP | ~~IIII~~ ~~IIII~~ III |
| VTSP | IV |
| BCCH | II |
| MAWA | I |
| OVEN | I |
| NOHA | I |
| SSHA | I |
| NAWA | I |
| EATO | II |
| MOWO | I |
| BTNW | I |

Pg. 4 of X

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst
Date: Sep 15, 2011
Field Personnel: B. Holden

| Weather Conditions: | TEMP (ºC): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 9ºC | | 100 | Drizzle | Rain |

Start Time: 0651
End Time: 0716
Start Point UTM:
End Point UTM:
Habitat: Grassland w some trees
Transect: 5
Feature #:

| Species | Tally |
|---|---|
| BCSA | IIII |
| CAGO | I |
| BCCH | II |
| CORA | I |
| NAWA | IIII |
| CUYE | II |
| AMGO | I |
| WAVI | I |
| DEWO | I |
| GRCA | I |
| SSHA | I |
| AMCR | II |
| AMPI | I |

Warbler sp - II

Pg. 1 of 4

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

| Species | Tally |
|---|---|
| TRANSECT: 4 | START: 0731 END: 0754 |
| | Scrub / Grassland |
| NOFC | II |
| SOSP | ~~IIII~~ I |
| COYE | ~~IIII~~ II |
| GRCA | II |
| AMRO | III |
| BCCH | ~~IIII~~ I |
| EATO | I |
| WTSP | IIII |
| EUST | I |
| AMRE | III |
| SWTH | II |
| HOWR | I |
| MERC | I |
| SSHA | I |

Pg. 2 of 4

Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: Katherine [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: Amherst
Project Name: 160960595
Date: Sep 16, 2011
Field Personnel: B Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 4°C - 7°C | 3-4 - NW | — | — | — |

Start Time: 0720
End Time: 0748
Start Point UTM:
End Point UTM:
Habitat: Pasture / woods
Transect: 2
Feature #:

| Species | Tally |
|---|---|
| RWBL - | ~~\|\|\|\|~~ ~~\|\|\|\|~~ \|\|\|\| |
| BCSA - | \|\| |
| GRCA - | \|\|\| |
| COME - | \|\|\| |
| BRTH - | \|\|\| |
| RBGR - | \| |
| EAPH - | \| |
| EUST - | \| |

Pg. 1 of 3

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: Katherine [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014a

| Species | Tally |
|---|---|
| Wood/Edge. | |
| TRANSECT #8 | START 0812 , END: 0834 |
| | |
| | |
| | |
| NUFL- | 1 |
| AMGO- | 1 |
| EUST- | 1 |
| SOSP- | ~~IIII~~ 11 |
| NAWA- | 1 |
| COME- | 1 |
| BRCR- | 1 |
| HOWR- | 11 |
| AMRE- | 1 |
| WBNU- | 11 |
| SCTA- | 1 |
| RCKI- | 1 |
| WTSP- | 1 |
| MAWA- | 1 |
| EAWP- | 1 |
| BCSA- | 11 |
| | |
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Pg. 2 of 3

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine Shu (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 595
Project Name: Amherst
Date: Sep 16, 11
Field Personnel: BH

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

Start Time: 0855
End Time: 0919
Start Point UTM:
End Point UTM:
Habitat: FOD
Transect: 7
Feature #:

| Species | Tally |
|---|---|
| BCCH - | III |
| BLJA - | ~~IIII~~ |
| RTHA - | I |
| SOSP - | III |
| EAWP - | II |
| BTNW - | I |
| PAVI - | I |
| MAWA - | I |
| BHVI - | IIII |
| HOWR - | I |
| REVI - | I |
| BLPW - | I |
| | |
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| | |

Pg. 3 of 3

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: Sept 16/11
Field Personnel: Matthew Ross

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 7°-10° | 3 -4 | 0 -15% | None | None |

Start Time: 8:10
End Time: 8:52
Start Point UTM: 365151 4890599
End Point UTM: 365495 4890871
Habitat: Green ash lowland
Transect: 3
Feature #:

| Species | Tally |
|---|---|
| WTSP | I |
| SOSP | I |
| COYE | III |
| CORA | I |
| DOWO | I |
| BLJA | ~~IIII~~ ~~IIII~~ ~~IIII~~ |
| ~~GRCA~~ | ~~II~~ |
| EUST | IIII |
| AMRO | I |
| NOFL | II |
| AMGO | ~~IIII~~ III |
| BCCH | I |
| Warbler sp Flyover | IIII |
| BLBW | I |
| WISN | I |
| | |
| | |
| | |
| | |
| | |
| | |

Pg. 1 of 2

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: Sept 16/11

Field Personnel: Matthew Ross

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 7° - 10° | 3 - 4 | 0 - 15 % | None | None |

Start Time: 10:29

End Time: 10:43

Start Point UTM: 362838 4897016

End Point UTM: 363047 4896562

Habitat: Ash lowland / Thicket

Transect: 1

Feature #:

| Species | Tally |
|---|---|
| NOHA | 1 (Flyover) |
| EUST | ~~IIII~~ 1 |
| BCCH | III |
| SOSP | 1 |
| RBGU | 1 (Flyover) |
| AMGO | 1 |

Pg. 2 of 2

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Sep 22, 2011

Field Personnel: B. Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 19- | SW 3 | 100- | | RAIN |

**Start Time:** 0706

**End Time:** 0733

**Start Point UTM:**

**End Point UTM:**

**Habitat:** Scrub / Grassland

**Transect:** 04

**Feature #:**

| Species | Tally |
|---|---|
| COYE- | 1 |
| SASP- | 1 |
| NOFC- | 111 |
| BCJA- | 1 |
| HOWR- | 1 |
| BBWA- | 1 |
| AMCE- | 1 |
| EUST- | 1 |
| AMRO- | 1 |
| EAME- | 1 |
| SOSP- | 1 |
| NOHA- | 1 |
| WPWA- | 1 |
| | |
| | |
| | Coyote-1 |
| | |
| | |
| | |
| | |
| | |

Pg. 1 of 4

Quality Control: This form is complete ☒ & legible ☒.

**Signature:** (Field Personnel)

**Signature:** (Project Manager)

REV: 2011-09-15 / FORM 014a

| Species | Tally |
|---|---|
| Habitat : Grassland. | |
| TRANSECT 5 | START : 750 END: 0870 |
| SOSP- | III |
| BCCH- | III |
| AMRO- | ~~IIII~~ ~~IIII~~ ~~IIII~~ III |
| EAPH- | I |
| MGRO- | I |
| WIWA- | I |
| BHVI- | I |
| WTSP- | IIII |
| COYE- | III |
| REVI- | II |
| WPWA- | II |
| RBGR- | I |
| GRCA- | IIII |
| RCKI- | I |
| EVST- | I |
| EAWP- | I |
| EATO- | I |
| HOWR- | II |
| MYWA- | I |
| SCTA- | I |
| | ~400 Monarchs in 3 clusters. |

Pg. 2 of 4

Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐

Signature: Kathleen [illegible] (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Sep 22, 11

Field Personnel: B.A.

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

**Start Time:** 0834

**End Time:** 0659

**Start Point UTM:**

**End Point UTM:**

**Habitat:** Woods

**Transect:** 06

**Feature #:**

| Species | Tally |
|---|---|
| COYE- | II |
| SOSP- | II |
| BRTH- | I |

Pg. 3 of 8

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** Kathleen [illegible] (Project Manager)

REV: 2011-09-15 / FORM 014a

| Species | Tally |
|---|---|
| young woods/grass/marsh | |
| TRANSECT 9 | START 0426 END 0450 |
| | |
| | |
| BCSA - | 𝍸 𝍸 \|\|\|\| |
| EAPH - | \| |
| COGR - | \|\| |
| AMCR - | \|\| |
| BEKI - | \| |
| BCPW - | \| |
| AMRO - | 𝍸 𝍸 𝍸 |
| MOPO - | \|\|\|\| |
| EATO - | \| |
| WPWA - | \| |
| CEDW - | 𝍸 𝍸 𝍸 𝍸 |
| EVST - | 𝍸 𝍸 |
| BCCH - | \|\| |
| SOSP - | 𝍸 |
| KILL - | \|\| |
| FISP - | \|\| |
| NOCA - | \|\| |

Pg. 4 of 4

Signature: _____ (Field Personnel)

Quality Control: This form is complete ☒ & legible ☐.

Signature: Katherine [illegible] (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Sept. 22/2011

Field Personnel: Josh Mansell

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 17 | 15 km/h | 40% | 0 | ~ 2mm. |

**Start Time:** 8:00

**End Time:** 9:00

**Start Point UTM:** 0357170 / 4887706

**End Point UTM:** 0357172 / 4887709

**Habitat:** Scrub / Woodland

**Transect:** 12

**Feature #:**

| Species | Tally |
|---|---|
| BLJA | 7 |
| EAPH | 1 |
| NAWA | 1 |
| SSHA | 1 |

Pg. 1 of 1

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Sept. 27/2011

Field Personnel: Josh Mansell

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18 | 20km/h | 30% | 0 | ~2mm. |

**Start Time:**

**End Time:**

**Start Point UTM:** 0360104 / 4890392

**End Point UTM:** 0360296 / 4890077

**Habitat:** Hay Field / Scrub

**Transect:** 13

**Feature #:**

| Species | Tally |
|---|---|
| BLJA | 1 |
| SASP | 4 |
| AMGO | 1 |
| GRCA | 2 |

Pg. 1 of 1

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Sept. 22/2011

Field Personnel: Josh Mansell

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 17 | 13 km/h | 30% | 0 | ~2 mm. |

**Start Time:** 9:00

**End Time:** 9:40

**Start Point UTM:** 0359713 / 4887102

**End Point UTM:** 0360077 / 4887450

**Habitat:** Woodland

**Transect:** 11

**Feature #:**

| Species | Tally | |
|---|---|---|
| BLJA | | 5 |
| Thrush Spp. | | 4 |
| EUST | | 2 |
| Woodpecker Spp. | | 1 |
| EAWP | | 2 |
| BCCH | | 6 |
| WBNU | | 1 |
| AMRE | | 3 |
| REVI | | 2 |
| MAWA | | 2 |

Pg. 1 of 1

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Sep 23, 2011

Field Personnel: B Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18-20°C | 2-3 | 90-100 | — | — |

**Start Time:** 0715

**End Time:** ~~0734~~ 0749

**Start Point UTM:**

**End Point UTM:**

**Habitat:** Pasture / Woods

**Transect:** 02

**Feature #:**

| Species | Tally |
|---|---|
| AMRO | ~~IIII~~ II |
| GRCA | II |
| EUST | ~~IIII~~ I |
| CEDW | IIII |
| AMCR | I |
| WTSP | I |
| AMGO | ~~IIIIIIII~~ |
| BRTH | I |
| SOSP | I |
| BCHA | II |
| EAPH | I |
| COME | IIII |
| WIWA | I |

Pg. 1 of 3

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Field Personnel)

**Signature:** (Project Manager)

REV: 2011-09-15 / FORM 014a

| Species | Tally |
|---|---|
| TRANSECT # 7 | Start 0823 End 0847 |
| | FOD |
| BCCH - | IIII |
| SOSP - | II |
| BCJA - | ~~IIII~~ |
| EAPH - | I |

Pg. 2 of 2

**Signature:** _____ (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** _____ (Project Manager)

REV: 2011-09-15 / FORM 014a

als w:\active\60960595\field_data\bird surveys\2011-fall-transects_60960595_form_014-a_migratory-passerines_2-sided.docx

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Tel: (519) 836-6050
Fax: (519) 836-2493

# Migratory Bird Survey Observation Form

Project Number: **160960595** Project Name: **AMHERST ISLAND**

Date: Sep 23,11 Field Personnel: BA

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

**Start Time:** 0912 **End Time:** 0934

**Start Point UTM:** **End Point UTM:**

**Habitat:** Woods/Edge **Transect:** 08

**Feature #:**

| Species | Tally |
|---|---|
| SOSP | ~~IIII~~ I |
| BHVI | I |
| SWSP | I |
| AMRO | II |
| COME | I |
| WBNU | I |

Pg. 3 of 3

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Sept. 23/2011

Field Personnel: Josh Morrell

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 14 | 1 | 10% | 0 | 0 |

**Start Time:** 7:30

**End Time:** 8:30

**Start Point UTM:** 0365184 / 4890650

**End Point UTM:** 0365576 / 4891006

**Habitat:** Woodland / Scrub

**Transect:** 03

**Feature #:**

| Species | Tally |
|---|---|
| AMGO | 1 |
| OLJA | 9 |
| GRCA | 5 |
| RWBB | 6 |
| COGR | 5 |
| BCCH | 1 |
| BHVI | 1 |
| DOWO | 1 |
| Unidentified Woodpecker | 1 |
| PAWA | 1 |
| SOSP | 4 |
| EUST | 3 |
| SWSP | 1 |
| | |
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Pg. 1 of 1

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: September 23/2011

Field Personnel: Josh Monsell

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 14 | 20 km/h | 80% | Trace | ~2mm. |

**Start Time:** 7:00

**End Time:** 8:00

**Start Point UTM:** 0357608 / 4887943

**End Point UTM:** 0358475 / 4885907

**Habitat:** Woodlot

**Transect:** 10

**Feature #:**

| Species | Tally |
|---|---|
| NOFL | 6 |
| SOSP | 2 |
| BLJA | 4 |
| AMKE | 5 |
| WBNU | 1 |
| BAWW | 1 |
| Vireo Spp. | 1 |
| BCCH | 4 |
| AMRO | 1 |
| EUST | 4 |
| MODO | 2 |

Pg. 1 of 1

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Sept. 23/2011

Field Personnel: Josh Mansell.

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 16 | 5 km/h | 80% | 0 | 0 |

**Start Time:** 9:30

**End Time:** 10:30

**Start Point UTM:** 0362843 / 4897034

**End Point UTM:** 0363042 / 4896576

**Habitat:** Woodland / Scrubland

**Transect:** 01

**Feature #:**

| Species | Tally |
|---|---|
| EUST | ☒ ☒ ☐ (28) |
| AMGO | ☒ (10) |
| AMKE | • (1) |
| SHHA | • (1) |
| BLJA | ☒ • (11) |
| CEWA | • (1) |
| AMRO | • • (2) |
| SOSP | • • (2) |
| WBNU | • (1) |
| Unidentified Sparrow | • • • (3) |
| | |
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Pg. 1 of 1

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Sep 29, 11

Field Personnel: B. Holden

**Weather Conditions:**

| TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|
| 18°C | 0 | 30-100% | Rain 5 | RAIN |

**Start Time:** 0710

**End Time:** 0733 end

**Start Point UTM:**

**End Point UTM:**

**Habitat:** Grassland w trees

**Transect:** 05

**Feature #:**

| Species | Tally |
|---|---|
| RWBL - | III |
| AMRO - | I |
| AMGO - | II |
| AMKE - | III |
| EAPH - | I |
| BLJA - | II |
| NOFL - | I |
| REVI - | I |
| AMRE - | I |

Clapper Warbler Sp - III

Pg. 1 of 2

**Signature:** (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

**Signature:** (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Sep 29/11

Field Personnel: B.H.

**Weather Conditions:**

| TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|
| | | | | |

**Start Time:** 0715

**End Time:** 0820

**Start Point UTM:**

**End Point UTM:**

**Habitat:** scrub/grassland

**Transect:** 04

**Feature #:**

| Species | Tally |
|---|---|
| BCJA | III |
| AMGO | ~~IIII~~ |
| SOSP | ~~IIII~~ ~~IIII~~ ~~IIII~~ III |
| RWBL | 25 |
| AMRO | IIII |
| WTSP | ~~IIII~~ ~~IIII~~ ~~IIII~~ |
| NOFL | I |
| CDYE | ~~IIII~~ II |
| NOHA | I |
| SWSP | II |
| GRCA | III |
| WCSP | IIII |
| WPWA | III |
| NAWA | I |
| LISP | I |
| EATO | II |
| AMCR | I |
| HOWR | I |
| PUWA | I |
| NOFL | II |
| BRTH | I |

Pg. 2 of 2

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Sep 29.11

Field Personnel: BH

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

**Start Time:** 0900

**End Time:** 0927

**Start Point UTM:**

**End Point UTM:**

**Habitat:** woods

**Transect:** 06

**Feature #:**

| Species | Tally |
|---|---|
| BCPW- | ++++ |
| BLJA- | II |
| AMGO- | III |
| COYE- | I |
| MYWA- | II |
| ~~EVST~~- | III |
| EAPH- | I |
| AMRO- | II |
| SOSP- | III |
| SWSP- | I |
| Sparrow sp. | ++++ |

Pg. 2 of 2

**Signature:** (Field Personnel)

Quality Control: This form is complete ☒ & legible ☒.

**Signature:** (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Sept. 29/2011

Field Personnel: Josh Mansell

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | \ | 100% | | |

**Start Time:** 9:25

**End Time:** 10:00

**Start Point UTM:** 0359713 / 4887102

**End Point UTM:** 0360077 / 4887450

**Habitat:** Woodland / Forest

**Transect:** 11

**Feature #:**

| Species | Tally | |
|---|---|---|
| BLPW | • | 1 |
| Unidentified Warbler | • • • • | 4 |
| EUST | ☐ | 7 |
| COGR | ☒ ☐ | 18 |
| BLJA | • • | 2 |
| AMRO | • • | |

Pg. 1 of 1

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Sept 29/2011

Field Personnel: Josh Marsh

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

**Start Time:** 10:00

**End Time:** 10:25

**Start Point UTM:** 0360104 / 4890392

**End Point UTM:** 0360296 / 4890077

**Habitat:** Agriculture / Hay

**Transect:** 13

**Feature #:**

| Species | Tally | |
|---|---|---|
| SASP | ∴ | 4 |
| SOSP | J | 1 |
| BLJA | ∴ | 2 |
| CAGO | ∴ | 2 |
| AMGO | · | 1 |
| EUST | ⊠ ⊠ ∴ | 25 |
| GRCA | ∴ | 2 |
| AMRO | ∴ | 2 |
| | | |
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Pg. 1 of 1

**Signature:** (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

**Signature:** (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Sept. 29/2011

Field Personnel: Josh Mansell

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

**Start Time:** 8:25

**End Time:** 9:15

**Start Point UTM:** 0357170 / 4887706

**End Point UTM:** 0357172 / 4887709

**Habitat:** Woodland / Scrub

**Transect:** 12

**Feature #:**

| Species | Tally | |
|---|---|---|
| EUST | ☒ | 2 |
| BLJA | ⁝ | 5 |
| AMRO | ⁝ | 2 |
| AMCR | · | 1 |
| BCCH | ⁝ | 3 |
| GRCA | ⁝ | 2 |
| DOWO | · | 1 |
| MODO | · | 1 |
| Unidentified Spp | · | 1 |
| CAGO | ⁝ | 5 |
| RWBB | · | 1 |
| SOSP | ⁝ | 2 |
| NOCA | · | 1 |
| EAPH | · | 1 |
| Unidentified Warbler | · | 1 |
| Unidentified Sparrow | · | 1 |
| | | |
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| | | |
| | | |

Pg. 1 of 1

**Signature:** (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐

**Signature:** Kathrin [illegible] (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Sept 29/2011

Field Personnel: Josh Monsell

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | 1 | 100% | | |

**Start Time:** 7:15

**End Time:** 8:15

**Start Point UTM:** 0357608 / 4887943

**End Point UTM:** 0358475 / 4885907

**Habitat:** Woodland

**Transect:** 10

**Feature #:**

| Species | Tally |
|---|---|
| SOSP | 3 |
| BLJA | 6 |
| AMRO | 3 |
| NOFL | 3 |
| WBNU | 1 |
| CAGO | 10 |
| EUST | 14 |
| YBSA | 2 |
| WTSP | 1 |
| GRCA | 2 |
| AMKE | 1 |
| | |
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Pg. 1 of 1

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: September 30, 2011

Field Personnel: Josh Morsell

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 16 | 2 | 20% | | |

**Start Time:** 7:15

**End Time:** 8:30

**Start Point UTM:** ~~0362843 / 4897034~~

**End Point UTM:** ~~0363042 / 4896576~~

**Habitat:** Woodland / Scrub

**Transect:** ~~04~~ 03

**Feature #:**

| Species | Tally | |
|---|---|---|
| BLJA | 7 | 7 |
| AMRO | 50 | |
| RWBB | • | 1 |
| EAPH | • | 1 |
| NAWA | ⁝ | 3 |
| MYWA | ⁝ | 4 |
| SOSP | • | 1 |
| NOFA NOFL | 40 | |
| SWSP | ⁝ | 2 |
| CEWA | ⁝ | 4 |
| GRCA | ⁝ | 2 |
| WTSP | ⊠ ⊠ ⊡ | 28 |
| RCKI | ⁝ | 2 |
| GCKI | 7 | 7 |
| MAWA | • | 1 |
| BLPW | ⁝ | 4 |
| COGR | • | 1 |
| BTBW | • | 1 |
| HOWR | ⁝ | 2 |
| | | |
| | | |

Pg. 1 of 1

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: September 30, 2011

Field Personnel: Josh Mansell.

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 18 | 3 | 30% | | |

**Start Time:**

**End Time:**

**Start Point UTM:** 0365184 / 4890650

**End Point UTM:** 0365576 / 4891006

**Habitat:** Roadside / Scrub / Meadow.

**Transect:** 01

**Feature #:**

| Species | Tally |
|---|---|
| SOSP | 5 |
| EUST | 60 |
| AMRO | 2 |
| AMCR | 2 |
| MODO | 2 |
| EAME | 5 |
| RCPI | 1 |
| MALL | 2 |
| AMGO | 5 |
| RBGU | 1 |
| RWBB | 7 |
| BLJA | 1 |
| MYWA | 2 |
| AMKE | 2 |

Pg. 1 of 1

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Sep 30 11

Field Personnel: B. H

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

**Start Time:** 0950

**End Time:** 1018

**Start Point UTM:**

**End Point UTM:**

**Habitat:** Young woods, Grass, Marsh

**Transect:** 09

**Feature #:**

| Species | Tally | | |
|---|---|---|---|
| BCSA | ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ | | |
| CEDW | ~~IIII~~ ~~IIII~~ II | | |
| HOWR | II | | |
| CHSP | I | | |
| FISP | III | | |
| SOSP | ~~IIII~~ | | |
| WTSP | ~~IIII~~ ~~IIII~~ ~~IIII~~ | | |
| WCSP | ~~IIII~~ ~~IIII~~ | | |
| BRTH | I | | |
| NOCA | II | | |
| NAWA | IIII | | |
| MGWA | III | | |
| BLBV | I | | |
| BLPW | II | | |
| BCCH | ~~IIII~~ I | COYE | III |
| REVI | I | AMRE | I |
| NOFL | I | BHVI | I |
| RWBL | III | RBNU | I |
| NOHA | I | PHVI | I |
| EATO | I | DOWO | I |
| AMGO | III | YCYI | III |

Pg. 4 of 4

Quality Control: This form is complete ☐ & legible ☐.

**Signature:** (Field Personnel)

**Signature:** (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Sep 30, 2011

Field Personnel: B. Holden

**Weather Conditions:**

| TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|
| 14°C | 4-5 WSW | 30-100% | — | RAIN |

**Start Time:** 0713

**End Time:** 0740

**Start Point UTM:**

**End Point UTM:**

**Habitat:** Pasture/woods

**Transect:** 02

**Feature #:**

| Species | Tally |
|---|---|
| NAWA- | I |
| COYE- | I |
| BCSA- | IIII |
| SOSP- | II |
| WTSP- | ~~IIII~~ ~~IIII~~ |
| GRCA- | I |
| BCCH- | II |
| RCKI- | I |
| EATO- | I |
| FISP- | II |
| HEWR- | I |
| BCPW- | I |
| WCSP- | II |

Pg. 1 of 4

**Signature:** (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

**Signature:** (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Sep 30, 11

Field Personnel: BH

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

**Start Time:** 0811

**End Time:** 0829

**Start Point UTM:**

**End Point UTM:**

**Habitat:** Wood

**Transect:** 08

**Feature #:**

| Species | Tally |
|---|---|
| EAPH- | I |
| BHVI- | I |
| SOSP- | HHI |
| DOWO- | I |
| EUST- | II |
| AMRO- | HHHH |
| NOPA- | III |
| EAWP- | I |
| RTHA- | I |
| AMCR- | II |
| NAWA- | III |
| BLPW- | II |
| MYWA- | I |
| MAWA- | I |
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Pg 2 of 2

Quality Control: This form is complete ☐ & legible ☐.

**Signature:** (Field Personnel)

**Signature:** (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Sep 30, 11

Field Personnel: BH

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

**Start Time:** 0854

**End Time:** 0920

**Start Point UTM:**

**End Point UTM:**

**Habitat:** FOD

**Transect:** 07

**Feature #:**

| Species | Tally |
|---|---|
| WTSP | ~~\|\|\|\|~~ ~~\|\|\|\|~~ \|\|\| |
| SOSP | \|\|\|\| |
| SWSP | \| |
| WCSP | ~~\|\|\|\|~~ |
| REVI | \| |
| HERR | \| |
| BCYA | 10, 25, \| |
| BCPW | \|\|\| |
| MYWA | \|\| |
| NOPA | \| |
| AMRO | \|\| |
| COYE | \|\|\| |
| YEWA | \| |
| SSHA | \| |
| RWBL | \|\|\|\| |
| LISP | \| |
| AMGO | ~~\|\|\|\|~~ \| |
| YBSA | \| |

Pg. 3 of 4

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑

**Signature:** (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: AMHERST ISLAND

Date: Oct 6, 2011

Field Personnel: B Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 3°C - 6°C | 2-3 N | — | — | — |

Start Time: 0714

End Time: 0736

Start Point UTM:

End Point UTM:

Habitat: Grassland w some trees.

Transect: 05

Feature #:

| Species | Tally |
|---|---|
| AMRO | 𝍸 𝍸 𝍸 𝍸 \| |
| MYWA | 𝍸 𝍸 \|\|\| |
| RWBL | 𝍸 \|\|\| |
| AMCR | \| |
| EAME | \|\| |
| WCSP | \|\|\| |
| EUST | \|\| |
| PISI | 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 |
| SOSP | 𝍸 |
| GRCA | \|\| |
| RUBL | \|\| |
| SWSP | \| |
| WTSP | \|\|\| |
| EAPH | \| |
| RCKI | \|\| |
| BCJA | \| |
| RTHA | \| |
| AMGO | \| |
| HEIH | \| |
| POWO | \| |



Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-09-15 / FORM 014a

| Species | Tally |
|---|---|
| TRANSECT 4 | START: 0750 END: 0818 |
| | scrubs/grassland. |
| AMCR | II |
| SOSP | ~~IIII~~ ~~IIII~~ III |
| WCSP | ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ |
| PISI | ~~IIII~~ ~~IIII~~ |
| BCSA | II |
| AMRO | III |
| BCCH | II |
| GCKI | III |
| EAPH | I |
| EATO | I |
| AMGO | III |
| NOFL | I |
| EUST | I |
| BCPW | II |
| RBNU | I |
| OCWA | I |
| WTSP | II |
| SWSP | I |
| RWBL | II |
| MUWA | I |
| RUBL | 20 |
| RCKI | 7 |

Pg. 2 of 4

Quality Control: This form is complete ☐ & legible ☐.

Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: AMHERST ISLAND

Date: Oct 6 11

Field Personnel: BH

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

Start Time: 0838

End Time: 0859

Start Point UTM:

End Point UTM:

Habitat: Woods.

Transect: 06

Feature #:

| Species | Tally |
|---|---|
| BCJA | I |
| EUST | I |
| NOHA | I |
| MYWA | IIIIII |
| WCSP | IIII IIIIII |
| PISI | IIII |
| SOSP | IIII I |
| WTSP | IIII |
| EAME | I |
| FISP | I |
| NAWA | I |
| RCKI | I |
| LISP | I |
| NOFL | I |
| BCCH | IIII |
| GAPH | I |
| MWDO | I |
| HETH | I |

Pg. 3 of 4

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-09-15 / FORM 014a

| Species | Tally |
|---|---|
| Young woods/Grass/marsh. | |
| TRANSECT 9 | START 935 END: 1001 |
| RCKI - | II |
| MUVA - | IIII |
| AMCR - | II |
| RTHA - | I |
| BLJA - | IIII IIII |
| - EATO - | I |
| AMRO - | III |
| BCCH - | IIII |
| GCKI - | III |
| SOSP - | II |
| PISI - | 15, 10 |
| AMGO | 10 |
| RUCL - | 1 (flyover) |
| - EATO - | 1 |
| NOFC - | 1 |
| NOCA - | II |
| AMPI - | II ( " ) |

Pg. 4 of 4

Signature: _____ (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: _____ (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: October 6/2011

Field Personnel: Josh Monsell

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 2 | ϕ | ϕ | ϕ | ϕ |

**Start Time:** 7:30

**End Time:** 8:30

**Start Point UTM:** 0357608 / 4887943

**End Point UTM:** 0358475 / 4885907

**Habitat:** Forest

**Transect:** 10

**Feature #:**

| Species | Tally |
|---|---|
| NAWA | • |
| RWBB | □ |
| WBNU | ·7 |
| GCKI | ⁝ |
| SOSP | • |
| WTSP | (50) |
| DOWO | ·· |
| MYWA | ☒ □ |
| CEWA | ⁝ |
| GRCA | • |
| BLJA | ⁝ |
| AMCR | ·· |
| YBSA | • |
| BRCR | ⁝ |
| EUST | (20) |
| WCSP | • |
| AMRO | ·· |
| | |
| | |
| | |
| | |

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☒ & legible ☒.

Signature: Kathleen (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: AMHERST ISLAND

Date: October 6/2011

Field Personnel: Justin Mansell.

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

Start Time: 8:30

End Time: 9:30

Start Point UTM: 0357170 / 4887706

End Point UTM: 0357172 / 4887709

Habitat: Woodland / Scrub / Field.

Transect: 12

Feature #:

| Species | Tally |
|---|---|
| HOWR | ·· |
| BCCH | ⊠ |
| WTSP | (30) |
| AMRO | ⊠ ☐ |
| BLJA | ·· ·· |
| SOSP | (15) |
| PAWA | ⊠ |
| EATO | ·· |
| RLHA | · |
| MYWA | (50) |
| AMGO | ·· ·· |
| WCSP | ·· ·· |
| LISP | ·· |
| NAWA | ·· |
| SWSP | ·· ·· |
| COLO | · |
| FISP | ·· |
| GCKI | ·· ·· |
| RCKI | · |
| NOFL | · |
| EUST | ·· ·· |

Pg. 1 of 2

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

on back

REV: 2011-09-15 / FORM 014a

| Species | Tally |
| --- | --- |
| | |
| GRCA | • |
| SSHA | • |
| EAME | • |
| LEFL | • |

Pg. 2 of 2

**Signature:** [signature] (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** [signature] (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: October 6 / 2011

Field Personnel: Josh Mansell.

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 16 | ϕ | ϕ | ϕ | ϕ |

**Start Time:** 10:25

**End Time:** 11:00

**Start Point UTM:** 0360104 / 4890392

**End Point UTM:** 0360296 / 4890077

**Habitat:** Hayfield / Scrub

**Transect:** 13

**Feature #:**

| Species | Tally |
|---|---|
| | |
| EAME | ∴ |
| AMGO | • |
| WTSP | 20 |
| WCSP | ∴ |
| SOSP | ∴ |
| EUST | 200 |
| AMRO | ∴ |
| Unidentified Sparrow | • |
| BLJA | ∴ |
| MYWA | ∴ |
| | |
| | |
| | |
| | |
| | |
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| | |
| | |
| | |
| | |

Pg. 1 of 1

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: October 6 / 2011

Field Personnel: Josh Morrell.

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 10 | ϕ | ϕ | ϕ | ϕ |

**Start Time:** 9:00

**End Time:** 10:15

**Start Point UTM:** 0359713 / 4887102

**End Point UTM:** 0360077 / 4887450

**Habitat:** Forest

**Transect:** 11

**Feature #:**

| Species | Tally |
|---|---|
| DOWO | : . |
| BCCH | : : |
| WBNU | :7 |
| WTSP | : . |
| GCKI | : : |
| BLJA | . |
| Unidentified Thrush | . |

Pg. 1 of 1

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: AMHERST ISLAND

Date: Oct 7, 11

Field Personnel: B. Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 7°C - 12° | 2-3 S | — | — | — |

Start Time: 0730

End Time: 0800

Start Point UTM:

End Point UTM:

Habitat: Pasture/woods.

Transect: 02

Feature #:

| Species | Tally |
|---|---|
| SOSP | ~~\|\|\|\|~~ \|\|\|\| |
| COME | \| |
| RUBL | \|\|\|\| |
| RUBL | ~~\|\|\|\|~~ |
| MALL | ~~\|\|\|\|~~ \| |
| RCKI | \|\| |
| WTSP | ~~\|\|\|\|~~ ~~\|\|\|\|~~ ~~\|\|\|\|~~ \|\|\|\| |
| OESU | \|\| |
| UCSP | ~~\|\|\|\|~~ \| |
| SWSP | \| |
| AMRO | \|\|\|\| |
| LISP | \|\| |
| EAPH | \| |

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☑.

Signature: (Project Manager)

REV: 2011-09-15 / FORM 014a

| Species | Tally |
|---|---|
| | |
| Habitat | |
| FOD | |
| TRANSECT 7 | START: 0829 END: 0858 |
| | |
| | |
| | |
| AMRO | IIII |
| EAPH | I |
| CEDU | 10 |
| RCKI | 11 |
| BHVI | I |
| BLJA | ~~IIII~~ II |
| COGR | II |
| HETH | I |
| DOWO | I |

Pg. 2 of 3

Signature: _____ (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathrin Lee (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: Oct 7

Field Personnel: BH

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

**Start Time:** 0935

**End Time:** 1003

**Start Point UTM:**

**End Point UTM:**

**Habitat:** Woods

**Transect:** 08

**Feature #:**

| Species | Tally |
|---|---|
| BCJA | 𝍸 𝍸 III |
| NOCA | II |
| WTSP | 𝍸 𝍸 I |
| WCSP | 𝍸 𝍸 |
| RCKI | II |
| NOFL | I |
| EAPH | I |
| BHCU | I |
| SWSP | I |
| MYWA | II |
| REVI | I |
| RBNU | I |

Pg. 3 of 3

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** Kathrin Sn (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: October 7 / 2011

Field Personnel: Josh Mansell

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 8 | \ | ϕ | ϕ | ϕ |

**Start Time:** 7:30

**End Time:** 8:30

**Start Point UTM:** 0365184 / 4890650

**End Point UTM:** 0365576 / 4891006

**Habitat:** Scrub / Woodland.

**Transect:** 03

**Feature #:**

| Species | Tally |
|---|---|
| AMRO | ⊠ 11 |
| AMGO | • 1 |
| RWBB | ⊠ ∴ 14 |
| EATO | ∴ 5 |
| EUST | 40 |
| BLJA | • 1 |
| MYWA | ⊠ ∴ 10 |
| WTSP | ∴ 5 |
| SOSP | • 1 |
| RCKI | ⊐ 7 |
| BCCH | • 1 |
| WBNU | • 1 |
| CEWA | ∴ 5 |
| Thrush Spp. | • 1 |
| HETH | ∴ 2 |
| GCKI | ∴ 4 |
| AMWO | • 1 |
| | |
| | |
| | |
| | |

Pg. 1 of 1

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** Kathleen Shu (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: **160960595**

Project Name: **AMHERST ISLAND**

Date: October 7/2011

Field Personnel: Josh Mansell

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 14 | 2 | ϕ | ϕ | ϕ |

**Start Time:** 9:30

**End Time:** 10:15

**Start Point UTM:** 0362843 / 4897034

**End Point UTM:** 0363042 / 4896576

**Habitat:** Roadside / Scrub / Industrial

**Transect:** 01

**Feature #:**

| Species | Tally |
|---|---|
| EUST | 50 |
| SOSP | 4 |
| RBGU | 5 |
| WCSP | 10 |
| AMRO | 20 |
| EAME | 6 |
| MYWA | 13 |
| BCCH | 4 |
| WTSP | 4 |
| CEWA | 7 |
| LEFL | 1 |

Pg. 1 of 1

**Signature:** (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** (Project Manager)

REV: 2011-09-15 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst

Date: Oct 12, 11

Field Personnel: B Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 13-16C | 2-3 E | 100 | / | / |

Start Time: 0725

End Time: 0744

Start Point UTM:

End Point UTM:

Habitat: Grassland w some trees

Transect: 5

Feature #:

| Species | Tally |
|---|---|
| WTSP | ~~HH~~ 1 |
| HETH | 1 |
| BCJA | 1 |
| RCKI | 1 |
| RCHA | 1 |
| AMRO | 1 |
| RTHA | 1 |

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014a

| Species | Tally |
|---|---|
| | |
| | Habitat: ~~Scrub~~ Scrub |
| TRANSECT 4 | START 0758 END 0821 |
| | |
| | |
| | |
| AMCR - | |
| LAP | |
| RCKI - | |
| BCCH - | |
| | \|\| |
| WTSP - | \|\|\|\| |
| EATO - | \| |
| EUST - | \|\| |
| COGR - | \| |
| GCKI - | \| |
| SUSP - | \| |
| LCSP - | \|\|\| |
| MYWA - | \| |
| AMRO - | \| |
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| | |
| | |

Pg. 2 of 4

**Signature:** _____ (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** _____ (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 595 Project Name: Amherst

Date: Oct 12, 11 Field Personnel: BH

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

Start Time: 0841 End Time: 0908

Start Point UTM: End Point UTM:

Habitat: Edge of woods. Transect: 8

Feature #:

| Species | Tally |
|---|---|
| SWSP | II |
| WTSP | IIII III |
| RCKI | II |
| RWBL | IIII |
| SOSP | III |
| WCSP | IIII IIII |
| BHCO | II |
| MWA | III |
| NAWA | I |
| WBNN | I |
| CEDW | IIII |
| DEJU | II |
| | |
| | |
| | |
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| | |
| | |
| | |

Pg. 3 of 4

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

| Species | Tally |
|---|---|
| TRANSECT 7 | START: 0934 END: 1002 |
| | HABITAT : FOD |
| | |
| | |
| SOSP | ||| |
| BCCH | ~~||||~~ || |
| RBNU | | |
| DOWO | | |
| PISI | ~~||||~~ |
| AMGO | ~~||||~~ |
| MYWA | | |

Pg. 4 of 4

**Signature:** _____ (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐

**Signature:** _____ (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: Oct. 12, 2011

Field Personnel: Zoé Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 14°C | 1 | 45% | none | none |

Start Time: 8:35 am

End Time: 9:32 am

Start Point UTM: 0365121 / 4890634

End Point UTM: 0365481 / 4890997

Habitat: swamp.

Transect: 3

Feature #:

| Species | Tally |
|---|---|
| BLJA | IIII |
| SOSP | III |
| AMRO | ~~IIII~~ III |
| AMCR | II |
| Blackbird Sp. | ~~IIII~~ IIII |
| BCCH | III |
| WTSP | ~~IIII~~ II |
| RCKI | ~~IIII~~ I |
| HETH | II |
| YSFL | II |
| AMGO | II |
| EUST | 40 |
| AWBL | III |
| SWSP | I |
| EAME | I (in field bordering woods) |
| Warbler Sp. | I (believe it was TEWA but not 100% sure) |
| | |
| | |
| | |
| | |
| | |

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: Oct. 12, 2011
Field Personnel: Zoé Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 12°C | 2 | 80% | none | none |

Start Time: 7:21 am
End Time: 8:15 am
Start Point UTM: 0362995 / 4891474
End Point UTM: 0362519 / 4891297
Habitat: pasture / woods
Transect: 2
Feature #:

| Species | Tally |
|---|---|
| BLJA | ~~||||~~ \| |
| BCCH | ~~||||~~ \|\|\| |
| SOSP | ~~||||~~ \|\|\|\| |
| AMRO | ~~||||~~ ~~||||~~ \| |
| MYWA | \|\| |
| LISP | \| |
| GRCA | \| |
| Blackbird Sp. | ~~||||~~ ~~||||~~ |
| RCKI | \|\|\|\| |
| WTSP | ~~||||~~ \|\| |
| GCKI | ~~||||~~ |
| FISP | \|\|\| |
| CEDW | \| |

Other:
CAGO 95 (flyovers)

Pg. 1 of 1

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: Oct. 12, 2011

Field Personnel: Zoé Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 15°C | 2 | 15% | none | none |

Start Time: 10:05 am

End Time: 10:42 am

Start Point UTM: 0367582 / 4890963

End Point UTM: 0367286 / 4891413

Habitat: Woods.

Transect: 6

Feature #:

| Species | Tally |
|---|---|
| EWCS | ~~IIII~~ II |
| BLJA | II |
| SOSP | ~~IIII~~ III |
| EUST | ~~IIII~~ ~~IIII~~ (flyovers) |
| WTSP | ~~IIII~~ I |
| MYWA | III |
| ~~AMCR~~ | ~~III~~ |
| WIWR | I |
| RCKI | I |
| EATO | I |
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Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: Oct. 13 2011
Field Personnel: Zoé Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 13°C | 2-3 | 100% | none | rain |

Start Time: 7:20 am
End Time: 8:13 am
Start Point UTM: 0357138 / 4887672
End Point UTM: 0357602 / 4887997
Habitat: Scrub / forest
Transect: 12
Feature #:

| Species | Tally |
|---|---|
| WTSP | ~~\|\|\|\|~~ \|\|\| |
| EATO | \| |
| HOWR | \| |
| BLJA | \|\|\|\| |
| GCKI | \|\|\|\| |
| BCCH | ~~\|\|\|\|~~ ~~\|\|\|\|~~ \|\|\|\| |
| YSFL | \| |
| HAWO | \| |
| RCKI | ~~\|\|\|\|~~ ~~\|\|\|\|~~ \|\| |
| EAPH | \| |
| AMRO | \| |
| SOSP | \|\| |
| MYWA | \| |
| FISP | \| |
| EUST | \| |
| CORA | \| |
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Other:
SSHA 1

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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Stantec

# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: Oct. 13, 2011
Field Personnel: Zoé Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 13°C | 1-2 | 100% | none | rain |

Start Time: 9:36 am
End Time: 10:31 am
Start Point UTM: 0362840 / 4897034
End Point UTM: 0363054 / 4896544
Habitat: scrub/woods on L; open pasture/grassland on R
Transect: 1
Feature #:

| Species | Tally |
|---|---|
| EAME | I |
| SOSP | ~~IIII~~ II |
| EWCS | III |
| MYWA | ~~IIII~~ I |
| Warbler Sp. | I |
| EUST | flock of 45 |
| BLJA | I |
| RCKI | I |
| HOFI | II |
| MODO | ~~IIII~~ |
| AMRO | I |
| AMCR | III |

Other:

| | |
|---|---|
| CAGO | 7 (flyover) |
| RTHA | I |

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst
Date: Oct 13, 2017
Field Personnel: B. Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 13-15°C | 3-4 SE | 100% | Drizzle | Rain |

Start Time: 0710
End Time: 0733
Start Point UTM:
End Point UTM:
Habitat: Forest
Transect: 11
Feature #:

| Species | Tally |
|---|---|
| BLJA | ~~\|\|\|\|~~ \| |
| AMCR | \|\| |
| EAPH | \| |
| AMRO | \|\| |
| WTSP | \|\|\|\| |
| RCKI | \|\|\| |
| GCKI | \|\|\| |
| RUBL | \|\| |
| SOSP | \| |
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Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Kathrin (Project Manager)

REV: 2011-05-03 / FORM 014a

| Species | Tally |
|---|---|
| | |
| Transect 10 | Start: 0748 End: 0808 |
| | Forest |
| | |
| | |
| - NAFC | II |
| - BLJA | HH |
| - AUTS | HH HH HH HH |
| - HETH | III |
| - RCKI | HH II |
| - BCCH | HH III |
| - RTHA | I |
| - AMRO | HH |
| - SOSP | II |
| - DOWO | I |
| - YBSA | I |
| - MHVA | I |
| - HAWO | I |
| - RUBL | 15 |
| - BRCR | I |
| - WIWR | I |
| WBNU | I |
| - EUST | II |
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Pg. 2 of 4

**Signature:** _____ (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** Kathrin [illegible] (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 595 | Project Name: Amherst

Date: Oct 13, 11 | Field Personnel: BH

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

Start Time: 0909 | End Time: 0936

Start Point UTM: | End Point UTM:

Habitat: Field / shrub Edge. | Transect: 1,3

Feature #:

| Species | Tally |
|---|---|
| BLJA- | I |
| SOSP- | 4H |
| WTSP- | IIII |
| WCSP- | II |
| NOHA- | I |
| EUST- | IIII |
| GBHE- | I |
| AMRO- | IIII |
| MAJA- | I |
| SASP- | I |
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Pg. 3 of 4

Quality Control: This form is complete ☐ & legible ☐.

Signature: (Field Personnel)

Signature: Kathi (Project Manager)

REV: 2011-05-03 / FORM 014a

| Species | Tally |
|---|---|
| | |
| TRANSECT 9 | START 0958 END 10:20 |
| | Young Woods/Grass/Marsh. |
| AMRO | 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 |
| BLSA | 𝍸 |
| RUBL | 𝍸 |
| EVST | 𝍸 |
| BCCH | 𝍸 𝍸 |
| RCKI | 𝍸 |
| MYWA | 𝍸 𝍸 |
| FISP | 𝍸 𝍸 |
| BHVI | 𝍸 |
| NOFL | 𝍸 |
| CHSP | 𝍸 |
| OCWA | 𝍸 |
| COGR | 𝍸 |
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Pg. 4 of 4

**Signature:** _____ (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

**Signature:** _____ (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960305 | Project Name: Amherst

Date: Oct 20, 2011 | Field Personnel: B. Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 11-13°C | S-6 E | 95-100% | Heavy Rain until 8am | RAIN |

Start Time: 0739 | End Time: 0800

Start Point UTM: | End Point UTM:

Habitat: Grassland & some trees | Transect: 5

Feature #:

| Species | Tally |
|---|---|
| CORA | II |
| SOSP | II |
| NOHA | I |
| BCJA | IIII |
| AMRO | II |
| SWSP | I |
| EAME | I |
| EUST | ~~IIII~~ |

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

| Species | Tally | | |
|---|---|---|---|
| TRANSECT 4 | START 0810 | END 0838 | |
| | scrub/grassland. | | |
| WTSP | 卌 卌 卌 卌 卌 卌 卌 | | |
| WCSP | 卌 卌 卌 卌 | | |
| SOSP | 卌 卌 卌 卌 卌 卌 | | |
| SASP | I | | |
| LISP | II | | |
| SWSP | 卌 IIII | | |
| DEJU | 卌 | | |
| BHVI | I | | |
| HETH | 卌 I | | |
| AMRO | II | | |
| NOFL | II | | |
| BGGN | 卌 II | | |
| RCKI | 卌 卌 卌 II | | |
| MYWA | 卌 III | | |
| NAWA | I | | |
| OCWA | I | | |
| COYE | I | | |
| NOFL | I | | |
| BCCH | 卌 卌 III | | |
| WIWR | I | | |
| EUST | 卌 | | |
| AMGO | II | | |
| CEDW | 卌 | | |
| AMCR | I | | |
| EABL | II | EAPH | I |
| NOHA | I | FISP | I |
| WPWA | II | AMPI | 卌 卌 |
| GCKI | IIII | SSHA | I |

Pg. 2 of 4

Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: 160960595 Project Name: Amherst

Date: Oct 20, 11 Field Personnel: BH

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

Start Time: 0907 End Time: 0931

Start Point UTM: End Point UTM:

Habitat: Woods / Edge. Transect: 8

Feature #:

| Species | Tally |
|---|---|
| CHSP | I |
| SOSP | IIII |
| WTSP | HH I |
| RCKI | II |
| MYWA | I |
| NOWA | I |
| BRCR | I |
| FOSP | I |

Pg. 2 of 4

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

| Species | Tally |
|---|---|
| TRANSECT 7 | START END |
| | HABITAT : FOD |
| | ~~Young woods, Grass, Marsh.~~ ~~HH~~ |
| BCJA | 𝍸 |
| DOWO | I |
| WBNU | I |
| BCCH | 𝍸 II |
| WTSP | 𝍸 𝍸 |
| SOSP | 𝍸 III |
| WCSP | 𝍸 III |
| RCKI | III |
| GCKI | IIII |
| MYWA | II |
| SWSP | I |
| CEDW | II |
| AMRO | IIII |
| RUBL | II |
| COHA | I |
| WIWR | I |
| NOFL | I |

Pg. X of X

Signature: _____ (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: _____ (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: Oct. 20, 2011
Field Personnel: Zoé Labrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 10°C | 4 | 100% | none | heavy rain |

Start Time: 8:33 am
End Time: 9:25 am
Start Point UTM: 0365121 / 4890624
End Point UTM: 0365564 / 4890964
Habitat: Swamp
Transect: 3
Feature #:

| Species | Tally |
|---|---|
| RCKI | ~~IIII~~ I |
| YSFL | II |
| WTSP | ~~IIII~~ ~~IIII~~ ~~IIII~~ I |
| AMRO | ~~IIII~~ III |
| DOWO | II |
| BCCH | III |
| HETH | II |
| RWBL | ~~IIII~~ IIII |
| COGR | ~~IIII~~ ~~IIII~~ III |
| EUST | ~~IIII~~ ~~IIII~~ I |
| SOSP | III |
| SWSP | ~~IIII~~ II |
| AMWO | IIII (all flushed from ground) |
| BLJA | I |
| WIWR | II |
| HAWO | II |
| EATO | I |
| FOSP | I |
| GCKI | IIII |
| COSN | ~~IIII~~ I (flyovers) |
| COSN | I (flushed from ground) |

Other:
CAGO ~~IIII~~ III
↳ flyovers

Pg. 1 of 1

Quality Control: This form is complete ☑ & legible ☑

Signature: (Field Personnel)

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: Oct. 20, 2011
Field Personnel: Zoé Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 10°C | 5 | 100% | scattered showers | heavy rain |

Start Time: 7:14 am
End Time: 8:12 am
Start Point UTM: 0362907 / 4891631
End Point UTM: 0362776 / 4891151
Habitat: Pasture/Woods.
Transect: 2
Feature #:

| Species | Tally |
|---|---|
| WTSP | ~~IIII~~ ~~IIII~~ II |
| AMRO | ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ II |
| BCCH | IIII |
| GCKI | IIII |
| RCKI | IIII |
| NOCA | I |
| FATO | II |
| FOSP | II |
| MYWA | ~~IIII~~ ~~IIII~~ ~~IIII~~ III |
| EUST | IIII |
| CEDW | III |
| EWCS | I |
| RHVI | I |

Other:
- NSWO I
  ↳ in cedar, being harassed by other birds.
- CAGO 20 (flyovers)
- NOHA I
  ↳ hunting right across transect

Note: On way back to vehicle a NSHR was observed ~150m from start of transect

Pg. 1 of 1

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: (Project Manager)

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# Migratory Bird Survey Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: Oct. 20, 2011

Field Personnel: Zoe Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 10°C | 4 | 90% | none | heavy rain |

Start Time: 9:58 am

End Time: 10:40 am

Start Point UTM: 0367582 / 4890963

End Point UTM: 0367286 / 4891413

Habitat: Woods.

Transect: 6

Feature #:

| Species | Tally |
|---|---|
| BLJA | II |
| SOSP | ~~IIII~~ ~~IIII~~ II |
| EWCS | ~~IIII~~ ~~IIII~~ I |
| WTSP | ~~IIII~~ I |
| SWSP | III |
| HETH | IIII |
| SCJU | II |
| BCCH | ~~IIII~~ |
| OCWA | I |
| EAPH | I |
| RCKI | III |
| BRCR | I |
| HAWO | I |
| | |
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Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst
Date: Oct 21, 2011
Field Personnel: B. Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 10-11°C | 4-W | 100% | — | RAIN |

Start Time: 0720
End Time: 0745
Start Point UTM:
End Point UTM:
Habitat: Field Shrub edge.
Transect: 13
Feature #:

| Species | Tally |
|---|---|
| WTSP | ~~||||~~ ~~||||~~ |
| SOSP | ~~||||~~ ||| |
| RCKI | || |
| BCJA | || |
| ~~WP~~PWA | | |
| RWBL | ~~||||~~ ~~||||~~ ||| |
| NSHR | | |
| BCCH | ||| |
| AMCR | | |
| FISP | || |
| CHSP | | |
| HETH | | |
| GCKI | | |
| EAPH | | |

Pg. 1 of 1

Signature: (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

| Species | Tally |
|---|---|
| TRANSECT 10 | START 0812 END 0829 |
| Forest | |
| RCKI | 𝍸 I |
| GCKI | 𝍸 IIII |
| MYWA | IIII |
| RBWO | I |
| WTSP | 𝍸 𝍸 |
| WCSP | 𝍸 |
| NOFL | I |
| SOSP | IIII |
| SWSP | I |
| BHVI | I |
| FOSP | I |
| LIWR | II |
| YBSA | I |
| BRCR | I |
| RWBL | IIII |
| RLBC | 10 |
| COGR | 50 |
| AMRO | 𝍸 |
| DEJU | 10 |

Pg. 2 of 3

Signature: (Field Personnel)

Quality Control: This form is complete ☒ & legible ☐.

Signature: Kathrin (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 595 Project Name: Arkest

Date: Oct 21, 11 Field Personnel: BH

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | | | | |

Start Time: 0904 End Time: 0937

Start Point UTM: End Point UTM:

Habitat: Field / Shrub Edge Transect: 11

Feature #:

| Species | Tally |
|---|---|
| AMCR- | 11 |
| CAGO- | 25 (Flyovers) |
| AMRO- | 11 |
| EUST- | 20 |
| SOSP- | 1 |

COLD + WINDY

Pg. 3 of 3

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: Oct. 21 / 11
Field Personnel: Zoé Lehman-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 8°C | 3 | 90% | none | rain |

Start Time: 7:21 am
End Time: 8:04 am
Start Point UTM: 0357138 / 4887672
End Point UTM: 0357602 / 4887997
Habitat: Old fields
Transect: 12
Feature #:

| Species | Tally |
|---|---|
| SWSP | II |
| WTSP | ~~IIII~~ I |
| CORA | II |
| AMCR | IIII |
| BCCH | ~~IIII~~ II |
| AMRO | ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ III |
| ~~MYWA~~ | ~~IIII~~ ~~IIII~~ II |
| MERL | I |
| RCKL | ~~IIII~~ IIII |
| EATO | II |
| CEDW | ~~IIII~~ III |
| Warbler Sp. | 25 (flew overhead) |
| YSFL | I |
| GCKL | ~~IIII~~ II |
| SOSP | ~~IIII~~ ~~IIII~~ III |
| EUST | ~~IIII~~ ~~IIII~~ I + 20 + 30 |
| EWCS | III |
| SSHA | I |
| BWA | ~~IIII~~ II |
| SCJU | I |
| RBNU | I |

Pg. 1 of 1

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: Kathrin (Project Manager)

REV: 2011-05-03 / FORM 014a

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# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: Oct. 21 / 11
Field Personnel: Zoé Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 10°C | 2 | 80% | none | rain |

Start Time: 8:28 am
End Time: 8:50 am
Start Point UTM: 0358676 / 4888542
End Point UTM: 0358410 / 4889019
Habitat: Youngwoods, Grass, Marsh
Transect: 9
Feature #:

| Species | Tally |
|---|---|
| RWBL | ~~\|\|\|\|~~ \|\|\| |
| EUST | 85 |
| BLJA | \|\|\|\| |
| RCKI | ~~\|\|\|\|~~ \|\| |
| WTSP | ~~\|\|\|\|~~ \|\|\|\| |
| BCCH | ~~\|\|\|\|~~ \|\|\| |
| EATO | \| |
| AMRO | ~~\|\|\|\|~~ \|\|\| |
| DOWO | \| |
| FISP | \|\| |
| MYWA | \|\|\|\| |
| SOSP | ~~\|\|\|\|~~ \|\| |
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Pg. 1 of 1

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a

**Stantec Consulting Ltd.**
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Migratory Bird Survey Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: Oct. 21 / 11
Field Personnel: Zoé Lebrun-Southcott

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 10°C | 3 | 100% | none | rain |

Start Time: 9:28 am
End Time: 10:19 am
Start Point UTM: 0362840 / 4807034
End Point UTM: 0363054 4896540
Habitat: roadway / field
Transect: 1
Feature #:

| Species | Tally |
|---|---|
| EUST | 55 |
| EWCS | 11 |
| SOSP | ~~IIII~~ |
| SSHA or COHA | I |
| RBWO | I |
| BCCH | I |
| BLJA | I |
| MYWA | ~~IIII~~ IIII |
| CEDW | ~~IIII~~ ~~IIII~~ ~~IIII~~ + 4 flyovers |
| AMRO | ~~IIII~~ ~~IIII~~ III |
| WTSP | III |
| SCJU | I |
| Finch Sp. | ~~IIII~~ (there were possibly 1 to F1 but didn't get a very good look at them) |
| | |
| | |
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| | |
| | |
| | |
| | |

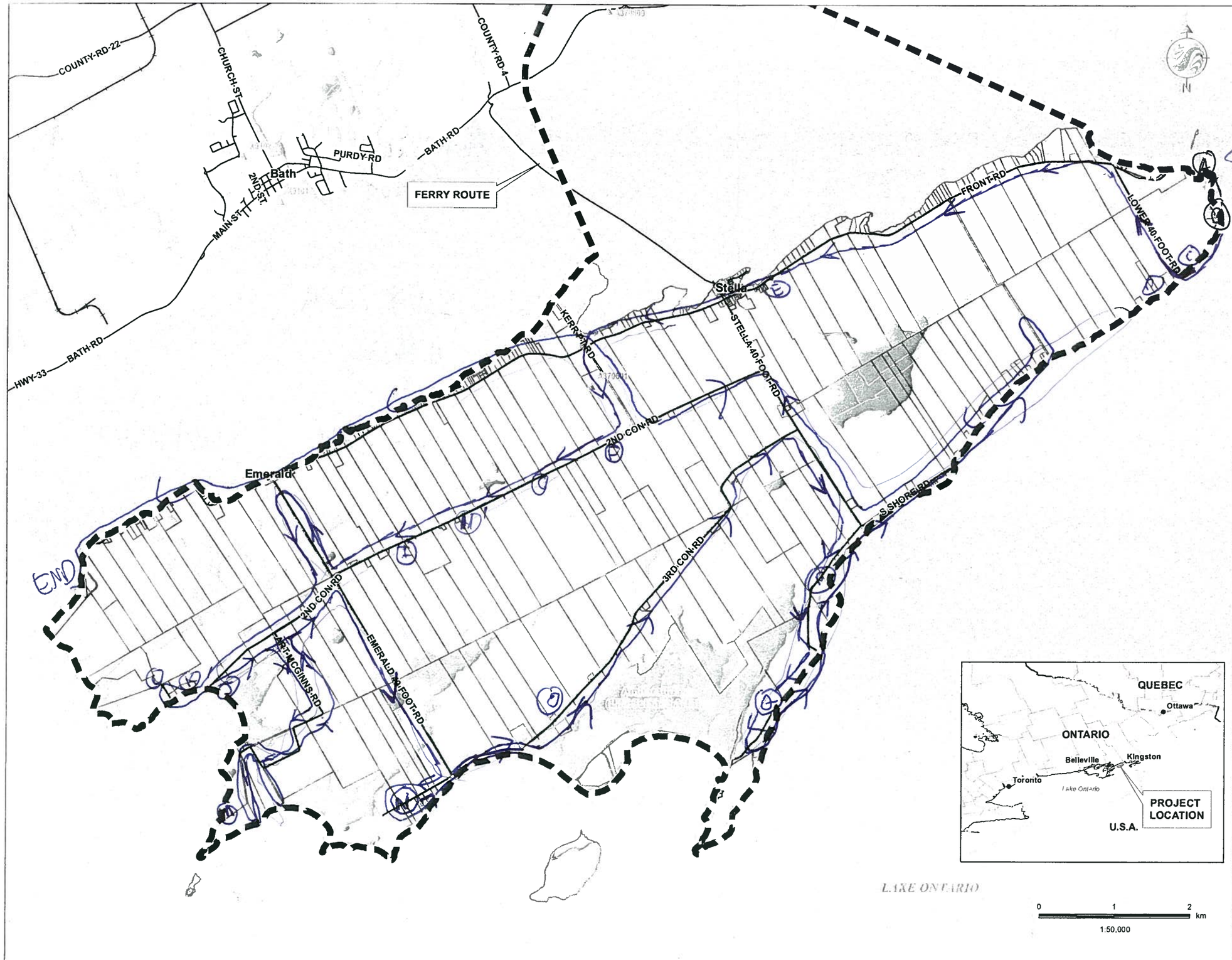
Pg. 1 of 1

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: (Project Manager)

REV: 2011-05-03 / FORM 014a




## Legend

- Study Area
- Active Landfill
- Closed Landfill
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.

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April 2011
160960595

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Client
Title
Project

Figure No.
DRAFT

Title
**STUDY AREA**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\60960595_FieldMapOverview_20110413.mxd
Revised on: 2011-04-05 By: pworsell

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

# 1230pm – Swallow Staging Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: Jul 8, 2011
Field Personnel: B. Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 26°C | 0-1 -VAR | 30 | | |

| Flock No. | Time | Species | No. of Individuals | Location / Habitat | Behaviour (i.e. height/direction of flight, feeding, etc.) |
|---|---|---|---|---|---|
| A | 12:30pm | BARS-15 TRES-20 PUMA-2 BANS-5 | | Gravel bar/Marsh | - Flying & Feeding |
| B | 12:40 | - TRES-10 BARS-10 | BANS-10 | - KFN Marsh Cell | - Flying / Feeding. |
| C | 1:00 | PUMA-30 TRES-~20 BARS ~20 BANS-5 NRWS-1 | | - Pasture / shore (A) KFN - PUMA nesting houses. | - PUMA colony w/ staging / feeding swallows - some on fence wire |
| D | 1:35 | - BARS-15 - TRES-25 | — on wire to w. | (Pasture / Fallow) | - 50% Flying / Feeding - 50% perched on tele-wire |
| E | 1:47 | BARS - 30 | — | Near Barns / Pasture | - Feeding. & Many probably rested locally. |
| F | 2:05 | BARS-7 TRES-5 | on wires leading to house # 2475 | HAY Fields | - perched. (Juv) 1 BARS dead on road |
| G | 2:11 | TRES-30 BARS-10 BANS-1 | on wires / perched - Hay field. | | |
| H | 2:20 | BARS-25 TRES-5 | Hay | on wires (A) Community Pasture. | perched. |
| I | 2:23 | BARS-15 TRES-15 | Hay / Pasture | on wires (A) house 4725 | 50% perched 50% feeding. |
| J | 2:42 | BARS-20 TRES-20 NRWS-1 | Marsh / Hay | on wires near metal barn | 50% feeding 50% perched |

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Scatton (Project Manager)

REV: 2011-05-05 / FORM 010b

Swallows Cont'd.

~~Other Bird Species~~

~~Please record any flock behavior (i.e. gulls, crows, blackbirds), raptors or any significant species.~~

| | Species | No. of Individuals | Location (e.g. in water puddle, agr. field near puddle, mowed lawn, etc.) | Behaviour (i.e. height/direction of flight, feeding, etc.) | |
|---|---|---|---|---|---|
| K | PUMA-1<br>BARS-10<br>TRES-4 | on | wires @ 8850 | shore / hay. | 244 |
| L | NRWS-6<br>BARS-5 | on | wires @ house 9345 | Hay / woods. | 246 |
| M | BARS-30<br>TRES-40<br>BANS-10 | on | wires ? Grand / Pasture. | 50% flying<br>50% perched | 3:01 |
| N | BARS-100<br>TRES-500 | BANS-150<br>NRWS-5 | PUMA-2 on wires / Road ? feeding over fresh cut hay field. | | 370 |
| O | BARS-30 | on | wire | hay | 325 |
| P | TRES-30<br>NRWS-1 | on | wire / Pasture | | 340 |
| Q | TRES-75<br>BARS-50 | BANS-10<br>NRWS-1 | on wires above Pasture | | 350 |
| | | | | | |
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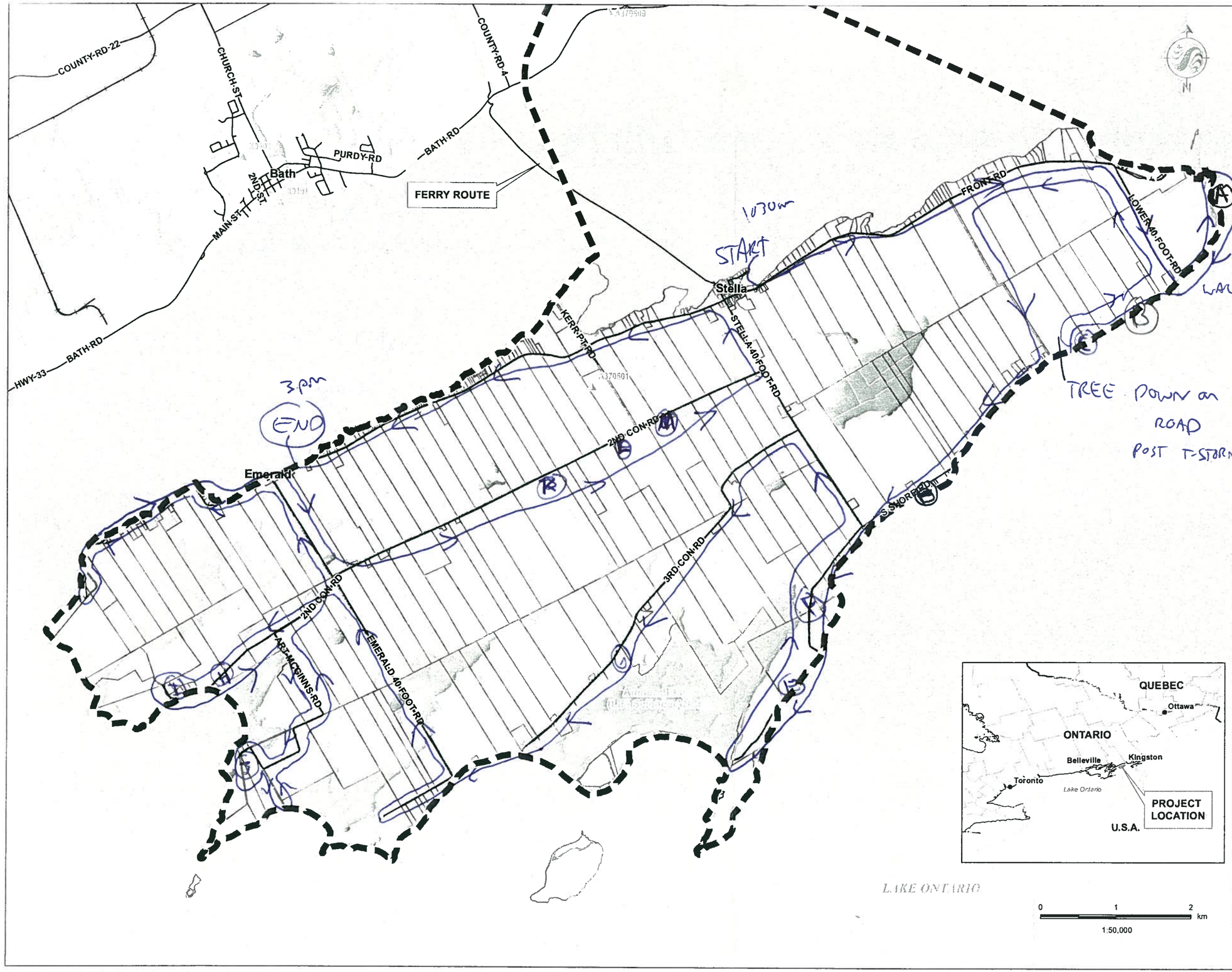
Signature: _____ (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: _____ (Project Manager)

REV: 2011-05-05 / FORM 010b




## Legend

- Study Area
- Active Landfill
- Closed Landfill
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
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**STUDY AREA**

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Revised on: 2011-04-05 By: pworsell

**Stantec Consulting Ltd.**
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Swallow Staging Observation Form

Project Number: 160960595
Project Name: Amherst
Date: Jul 13, 2011
Field Personnel: B. Holder

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22-26° | 2-3 N (3-6 during storm) | 50-100% | Heavy T-storm passed quickly | ~~[illegible]~~ |

| Flock No. | Time | Species | No. of Individuals | Location / Habitat | Behaviour (i.e. height/direction of flight, feeding, etc.) |
|---|---|---|---|---|---|
| A | 1145 | TRES-40 BARS-20 BANS-10 | RAN | property | - feeding - ht = 50m no ⊘ |
| B | 12:30 | TRES-100 BANS-50 | BARS-30 CLSW-2 | feeding behind | Post T-storm large tree - ht-5m |
| C | 1240 | TRES-100 | feeding | behind | large tree ht-5 |
| D | 1257 | BARS-20 TRES-10 | BANS-20 | perched | on wires - 5m |
| E | 119 | BARS-30 TRES-15 | | perched | on wires 5m |
| F | 126 | TRES-60 BANS-20 | | Possible evening roost site? | on wires 5m |
| G | 150 | BARS-30 TRES-10 | | on | wires ht-5m |
| H | 2:16 | BARS-40 TRES-20 | BANS-5 | on | wires near shore ht-5m |
| I | 2:24 | BANS-100 TRES-20 | BARS-10 NRWS-5 | on | wires - ht-5m |
| J | 232 | BARS-70 TRES-20 | BANS-10 | on | wires 5m |

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.
Signature: Scottow (Project Manager)

pg 1 of 2

REV: 2011-05-05 / FORM 010b

***Other Bird Species***

Please record any flock behavior (i.e. gulls, crows, blackbirds), raptors or any significant species.

| Species | No. of Individuals | Location (e.g. in water puddle, agr. field near puddle, mowed lawn, etc.) | Behaviour (i.e. height/direction of flight, feeding, etc.) |
|---|---|---|---|
| | | | |
| | | | |
| | KFN | property | |
| | | AMWI-3 GREG-1 | WIPH-2 |
| | | GWTE-2 GBHE-3 | CEYE-7 |
| | | GADW-2 BCNH-1 | GRYE-1 |
| | | | ~~LESA -15~~ |
| | | TUSW-1 | |
| | | COGO-1 | |
| | | CTDU-1 OSPR-2 | |
| | | CAGO- 200 NOHA-2 | |
| | | MALL-30 | |
| | | | |
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| | | | |

Signature: _____ (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: _____ (Project Manager)

REV: 2011-05-05 / FORM 010b

**Stantec Consulting Ltd.**
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Swallow Staging Observation Form

Project Number: 60595 Project Name: Amherst

Date: Jul 13, 11 Field Personnel: BH

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | | Lev | Cg | / | |

| Flock No. | Time | Species | No. of Individuals | Location / Habitat | Behaviour (i.e. height/direction of flight, feeding, etc.) |
|---|---|---|---|---|---|
| K | 240 | TREES-20 BARS-10 | ) on | wires - 5 m hay fields | |
| L | 242 | TREES-120 BARS-20 | ) on | wires over hayfields | H-5 |
| M | 244 | TREES-40 | ) on | wires over hayfields | H-5m |
| | | | | | |
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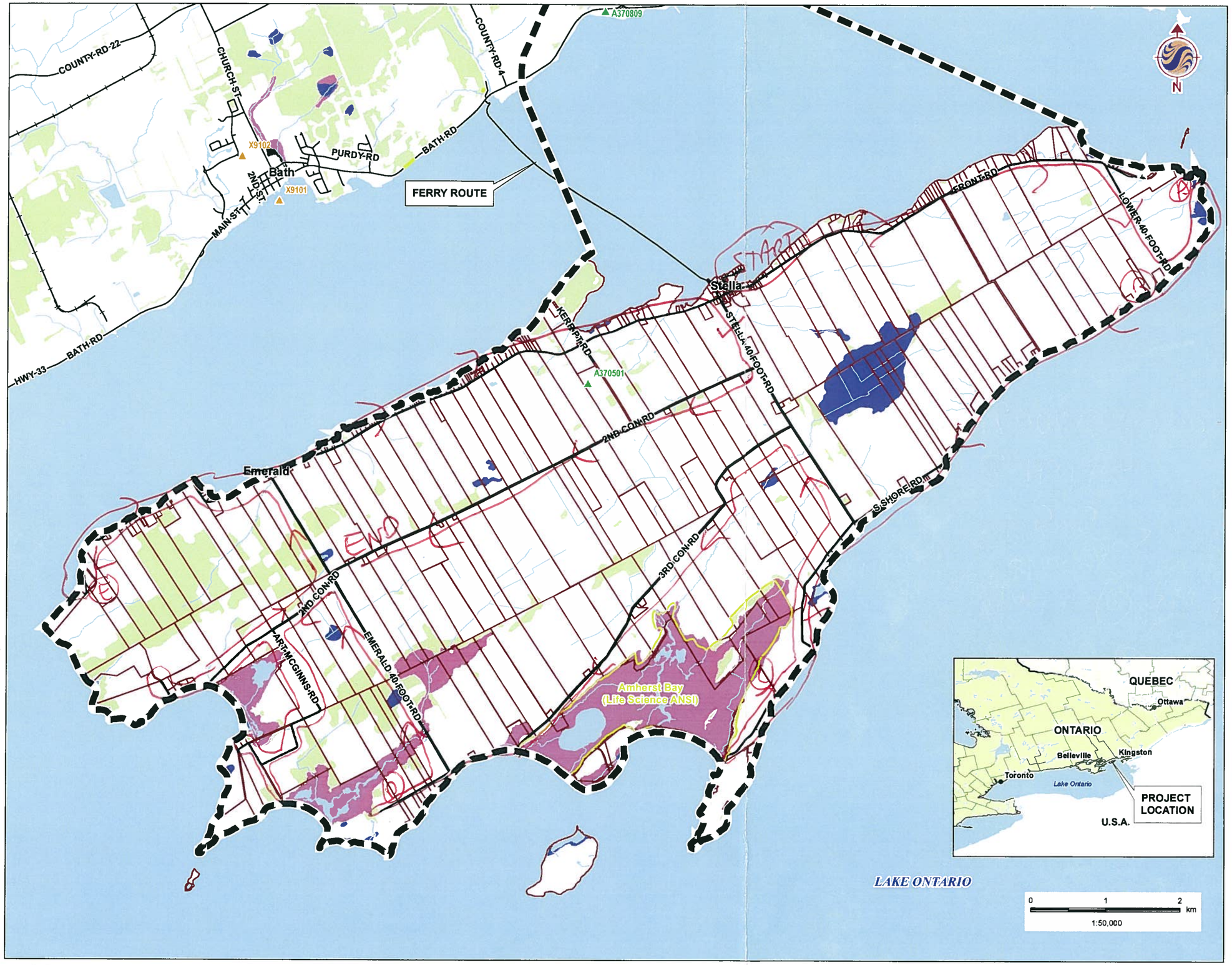
Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine Stern (Project Manager)

pg 2 of 2

REV: 2011-05-05 / FORM 010b




## Legend

- Study Area
- Active Landfill
- Closed Landfill
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

~~Staging Swallows~~
~~Wk of: July 25~~

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.

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April 2011
160960595

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Client
Title
Project

Figure No.
DRAFT

Title
**STUDY AREA**

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Revised on: 2011-04-05 By: pworsell

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Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Swallow Staging Observation Form

Project Number: 160960595 Project Name: Amherst

Date: Jul 23, 2011 Field Personnel: B. Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 32 | 2-3 | 10-30 | — | — |

| Flock No. | Time | Species | No. of Individuals | Location / Habitat | Behaviour (i.e. height/direction of flight, feeding, etc.) |
|---|---|---|---|---|---|
| A | 11:15 | TRES-100 BARS-30 PUMA-20 BANS-20 | | Far end of KFN | Feeding / roosting |
| B | 11:49 | TRES-200 BARS-40 BANS-100 CLSW-1 | | roosting on wires ? | Feeding. |
| C | 12:19 | TRES-150 BARS-40 BANS-150 | | on wires. | |
| D | 1:00 | NRWS-10 PUMA-10 TRES-60 BARS-30 | | on wires | and over lake |
| E | 2:16 | TRES-40 BARS-20 | | on wires near barn. | |
| | | | | | |
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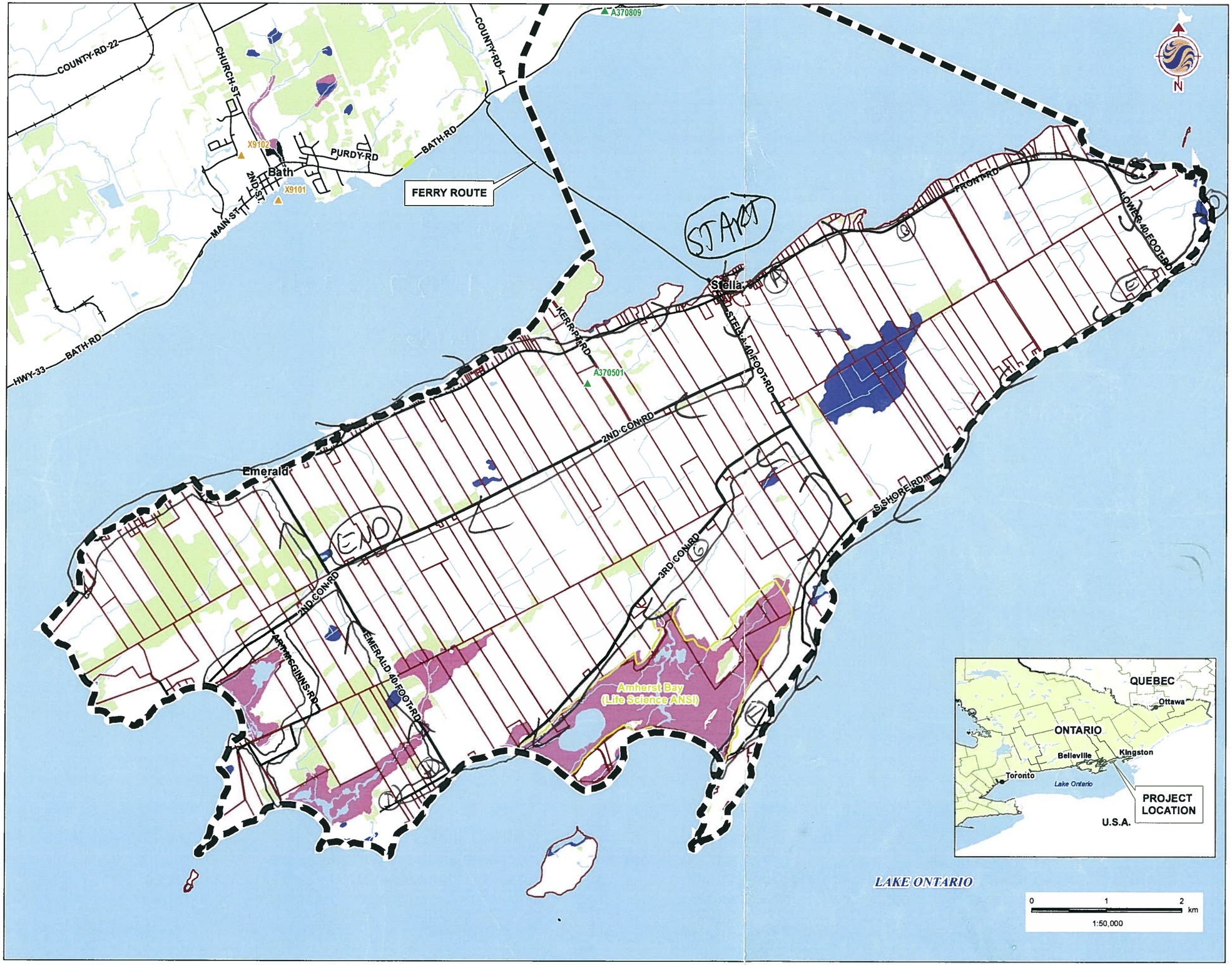
Quality Control: This form is complete ☑ & legible ☑

Signature: (Field Personnel)

Signature: (Project Manager)

REV: 2011-05-05 / FORM 010b




## Legend

- Study Area
- Active Landfill
- Closed Landfill
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

Staging Swallows
wk of: July 18

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
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Client/Project
Client
Title
Project

Figure No.
DRAFT

Title
**STUDY AREA**

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Revised on: 2011-04-05 By: pworsell

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Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

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# Swallow Staging Observation Form

Project Number: 160960595 | Project Name: Amherst

Date: Jul 27, 2011 | Field Personnel: B. Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 27-29°C | 3 | 40-60% | ✓ | ✓ |

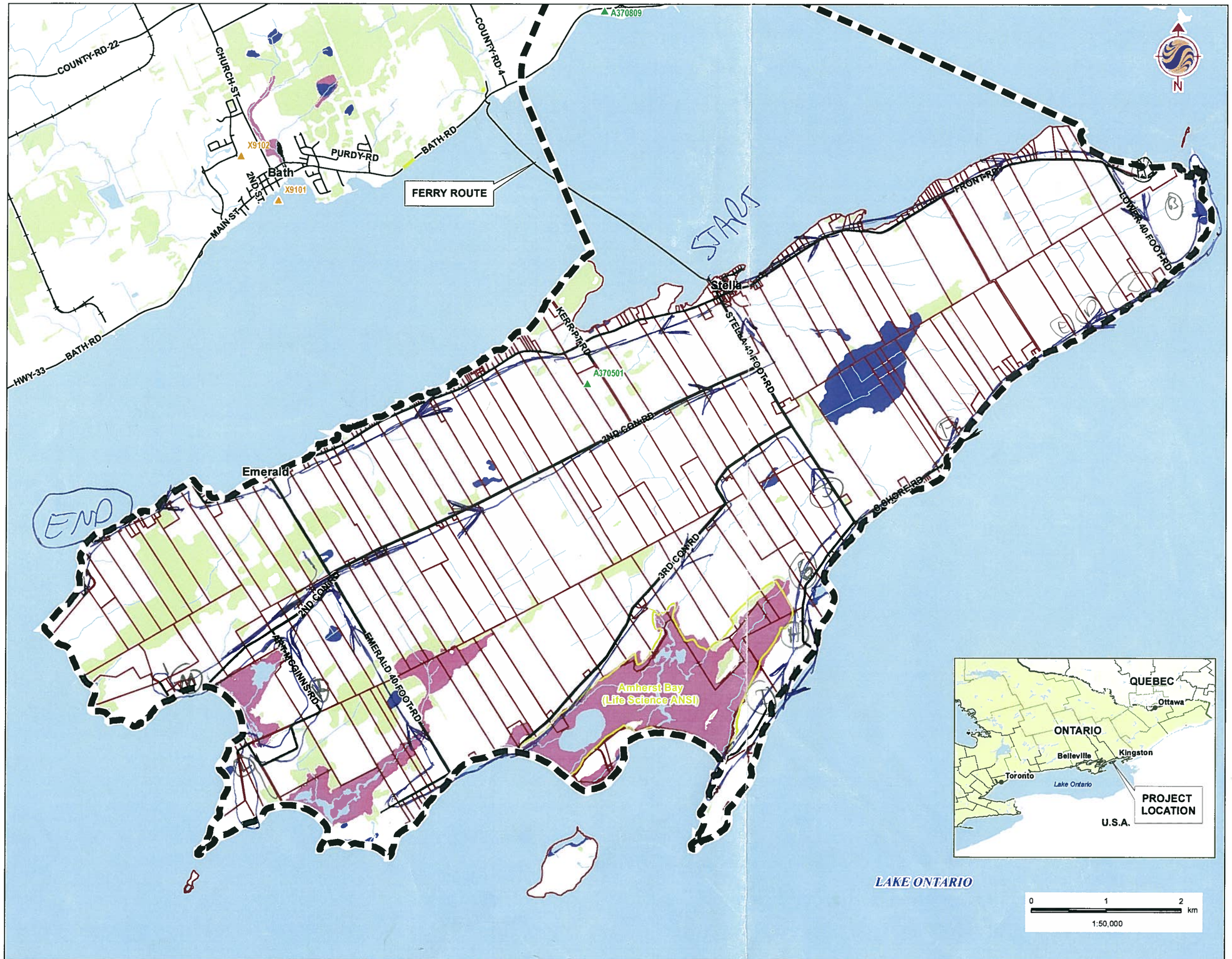
| Flock No. | Time | Species | No. of Individuals | Location / Habitat | Behaviour (i.e. height/direction of flight, feeding, etc.) |
|---|---|---|---|---|---|
| A | 8:40 | 40 total 30 BARS, | 10 TREES | hunting / feeding near barns / wires. | |
| B | 8:50 | 50 total 40 TREES, | 10 BARS | on wire | / perched / resting |
| C | 9:00 | 300 total 200 TREES, | 50 BANS 10 BARS 10 PUMA | on wires | & feeding. |
| D | 10:00 | 100 total 70 TREES, | 25 BANS. 5 BARS | feeding around Marsh | |
| E | 10:35 | 500 total 300 TREES, | 150 BANS, 50 BARS | on wires. | |
| F | 10:50 | 250 total | 200 TREES 50 BARS | on wires | ? Also on cattails |
| G | 11:00 | 30 total | 25 BARS 5 TREES | feeding near Barns, | |
| H | 11:10 | 200 total | 100 TREES 50 BARS 50 BANS. | on wires | |
| I | 11:13 | 60 total | 20 TREES 30 BARS 5 NRWS 5 BANS | on wires | |
| | | | | | |

Quality Control: This form is complete ☑ & legible ☑.

Signature: _____ (Field Personnel)

Signature: _____ (Project Manager)

REV: 2011-05-05 / FORM 010b




## Legend

- Study Area
- Active Landfill
- Closed Landfill
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

Staging Swallows
WK of: Aug 29

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
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Client
Title
Project

Figure No.
DRAFT

Title
**STUDY AREA**

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Revised on: 2011-04-05 By: pworsell

**Stantec Consulting Ltd.**
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

12:00 –

# Swallow Staging Observation Form

Project Number: 160960595 | Project Name: Amherst

Date: Aug 3, 2011 | Field Personnel: B. Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 20-23°C | 2-3 · E | 100% | RAIN | RAIN |

| Flock No. | Time | Species | No. of Individuals | Location / Habitat | Behaviour (i.e. height/direction of flight, feeding, etc.) |
|---|---|---|---|---|---|
| A | 1210 | TRES<br>BARS | – 50<br>– 50 | on wires | Roosting |
| B | 12:30 | TRES –<br>BARS – | 300 BANS – 100<br>200 | out cows in pasture | – feeding low. |
| C | 12:50 | TRES – 150<br>BARS – 50 | BANS – 40 | Tall grass pasture | feeding low |
| D | 12:55 | TRES 150<br>BARS 100 | BANS – 250 | on ground / wires | feeding / roosting very low. |
| E | 1:00 | TRES – 100<br>BANS. 250 | BARS 20 | on wires. – | roosting |
| F | 1:06 | BARS – 40<br>TRES – 100 | BANS – 50 | on wires | roosting |
| G | 1:14 | TRES – 90<br>BANS. 100 | BARS – 80 | on wires & feeding – low | / Tall Grass |
| H | 1:16 | TRES – 75<br>BARS. 25 | BANS. 50 | on wires | / Tall Grass |
| I | 1:19 | TRES 160<br>BANS 150 | BARS – 20<br>PUMA – 10 | on wires near house | / tall grass BARS WTS were as well |
| J | 1:29 | TRES – 30<br>BARS – 20 | PUMA – 10 | on wire | roosting |

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: (Project Manager)

REV: 2011-05-05 / FORM 010b

Swallows

**Other Bird Species**
Please record any flock behavior (i.e. gulls, crows, blackbirds), raptors or any significant species.

| Species | No. of Individuals | Location (e.g. in water puddle, agr. field near puddle, mowed lawn, etc.) | Behaviour (i.e. height/direction of flight, feeding, etc.) |
|---|---|---|---|
| (R) 1:58 | PUMA | - 15 — on wires | resting ) no other species! |
| (D) 2:10 | BARS- 40<br>TREES- 30 | — on wires near | Barn ) resting |
| (M) 2:17 | PUMA- 15<br>TREES- 10 | BARS-10 ) on | wires ) roosting |
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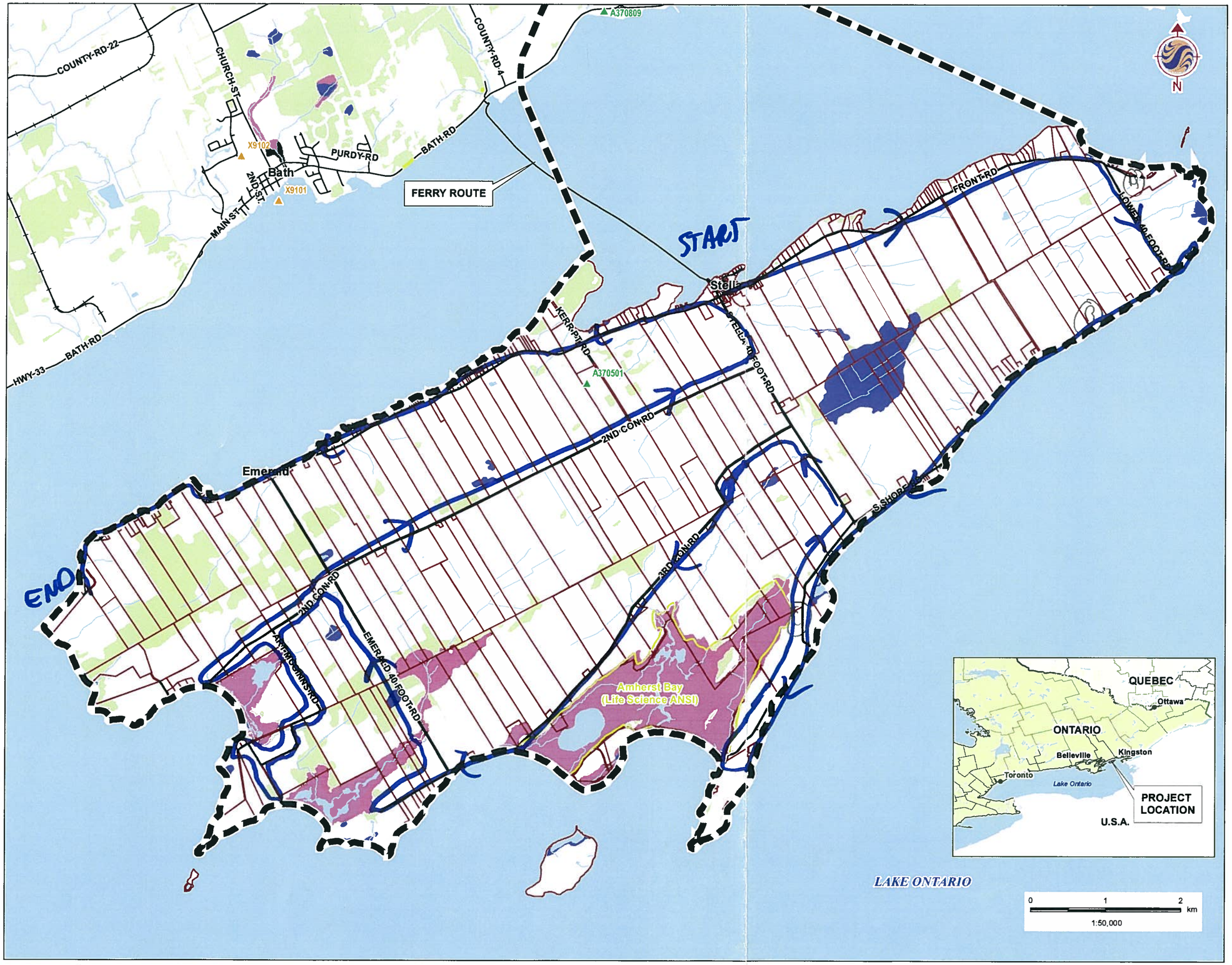
Signature: _____ (Field Personnel)

Quality Control: This form is complete ☐ & legible ☐.

Signature: _____ (Project Manager)

REV: 2011-05-05 / FORM 010b




## Legend

- Study Area
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- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

Staging Swallows
WK of: Aug 8
B. Holden
Aug 9, 2011

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
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April 2011
160960595

Client/Project
Client
Title
Project

Figure No.
DRAFT

Title
**STUDY AREA**

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Revised on: 2011-04-05 By: pworsell

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

Stantec

2:00pm - 4:00pm

# Swallow Staging Observation Form

Project Number: 160960595

Project Name: Amherst

Date: Aug 9, 11

Field Personnel: B. Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 19-21°C | 2-3 E | 100% | Heavy Rain | Heavy Rain |

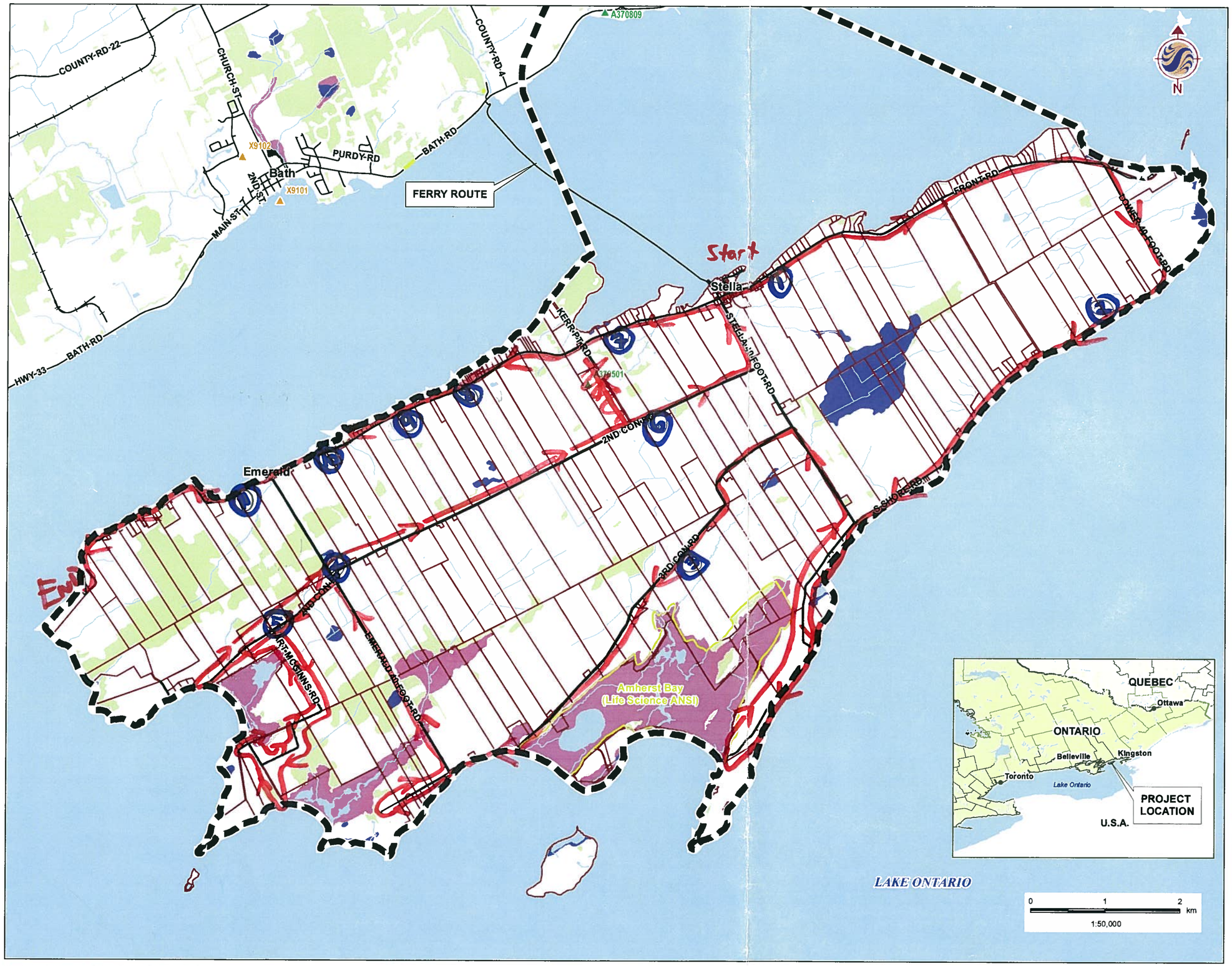
| Flock No. | Time | Species | No. of Individuals | Location / Habitat | Behaviour (i.e. height/direction of flight, feeding, etc.) |
|---|---|---|---|---|---|
| A | 2:16 | TRES – 500<br>BANS – 200 | PUMA – 15<br>BARS – 50 | Roosting on wires near barn. | Limited feeding. |
| B | 2:38 | BARS – 40<br>BANS – 200 | TRES – 300<br>PUMA – 5 | Roosting on wires. | Very little feeding. |
| C | 3:02 | BANS – 200<br>TRES – 800 | BARS – 100<br>NRWS – 5 | Roosting on wires & in cattails. | Limited feeding. |
| | | | | | |
| | | | | | |
| | | | | | |
| | | Very poor Weather | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Signature: _____ (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: _____ (Project Manager)

REV: 2011-05-05 / FORM 010b




## Legend

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- Watercourse
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- Wooded Area
- Waterbody
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- PSW
- ANSI Boundary

Staging Swallows
Wk of: Aug. 15
M. Ross
Aug 16/11

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
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April 2011
160960595

Client/Project
Client
Title
Project

Figure No.
DRAFT

Title
**STUDY AREA**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\60960595_FieldMapOverview_20110413.mxd
Revised on: 2011-04-05 By: pworsell

Stantec Consulting Ltd.
1 – 70 Southgate Drive
Guelph, ON
Canada N1G 4P5
Tel: (519) 836-6050
Fax: (519) 836-2493

# Swallow Staging Observation Form

Project Number: 160960595
Project Name: Amherst Island
Date: Aug 16/11
Field Personnel: Matthew Ross

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 27 | 2 | 15%-40% | None | Rain |

| Flock No. | Time | Species | No. of Individuals | Location / Habitat | Behaviour (i.e. height/direction of flight, feeding, etc.) |
|---|---|---|---|---|---|
| 1 | 2:05 | PUMA - 12 TRES - 4<br>BANS - 2<br>BARS - 10 | | wire / Res / field | Rest / forage |
| 2 | 2:45 | BARS - 40<br>BANS - 15 | | wire / pasture + shore line @ Barn | Rest / forage |
| 3 | 3:45 | BARS - 100<br>NRWS - 60<br>TRES - 40 | | wire / field near Res. | Rest / forage → all chased off by merlin |
| 4 | 4:19 | BARS - 11<br>BANS - 3 | | wire along road near barn | Rest |
| 5 | 4:55 | BARS - 25 PUMA - 3<br>TRES - 12<br>BANS - 3 | | wire / fields next to road | Rest / Forage |
| 6 | 5:25 | TRES - 100<br>BANS - 10<br>BARS - 40 | | wire / fields near road | Rest / Forage |
| 7 | 5:38 | BARS - 19 | | wire along Rd. | Rest |
| 8 | 5:42 | BARS - 15<br>BANS - 8<br>TRES - 3 | | wire along Rd | Rest / preen |
| 9 | 5:48 | BARS - 30<br>BANS - 10<br>TRES - 20 | | wire along road / field | Rest / Forage |
| 10 | 5:55 | BARS - 40 NRWS - 10<br>BANS - 60<br>TRES - 90 | | " | " |

Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: Katherine Stern (Project Manager)

REV: 2011-05-05 / FORM 010b

***Other Bird Species***

Please record any flock behavior (i.e. gulls, crows, blackbirds), raptors or any significant species.

| Species | No. of Individuals | Location (e.g. in water puddle, agr. field near puddle, mowed lawn, etc.) | Behaviour (i.e. height/direction of flight, feeding, etc.) |
|---|---|---|---|
| (11) BARS - 15<br>BANS - 25<br>TRES - 30 | | wire near road | Rest / Preen |
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Quality Control: This form is complete ☐ & legible ☐.

**Signature:** _____ (Field Personnel)

**Signature:** _____ (Project Manager)

REV: 2011-05-05 / FORM 010b

sdc w:\resource\internal info and teams\field forms\birds\windfarm birding\swallow staging-survey_2-sided.docx

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# Butterfly Stopover Areas Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: Aug. 16/11

Field Personnel: Matthew Ross

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 27 | 2 | 15 – 40% | None | Rain |

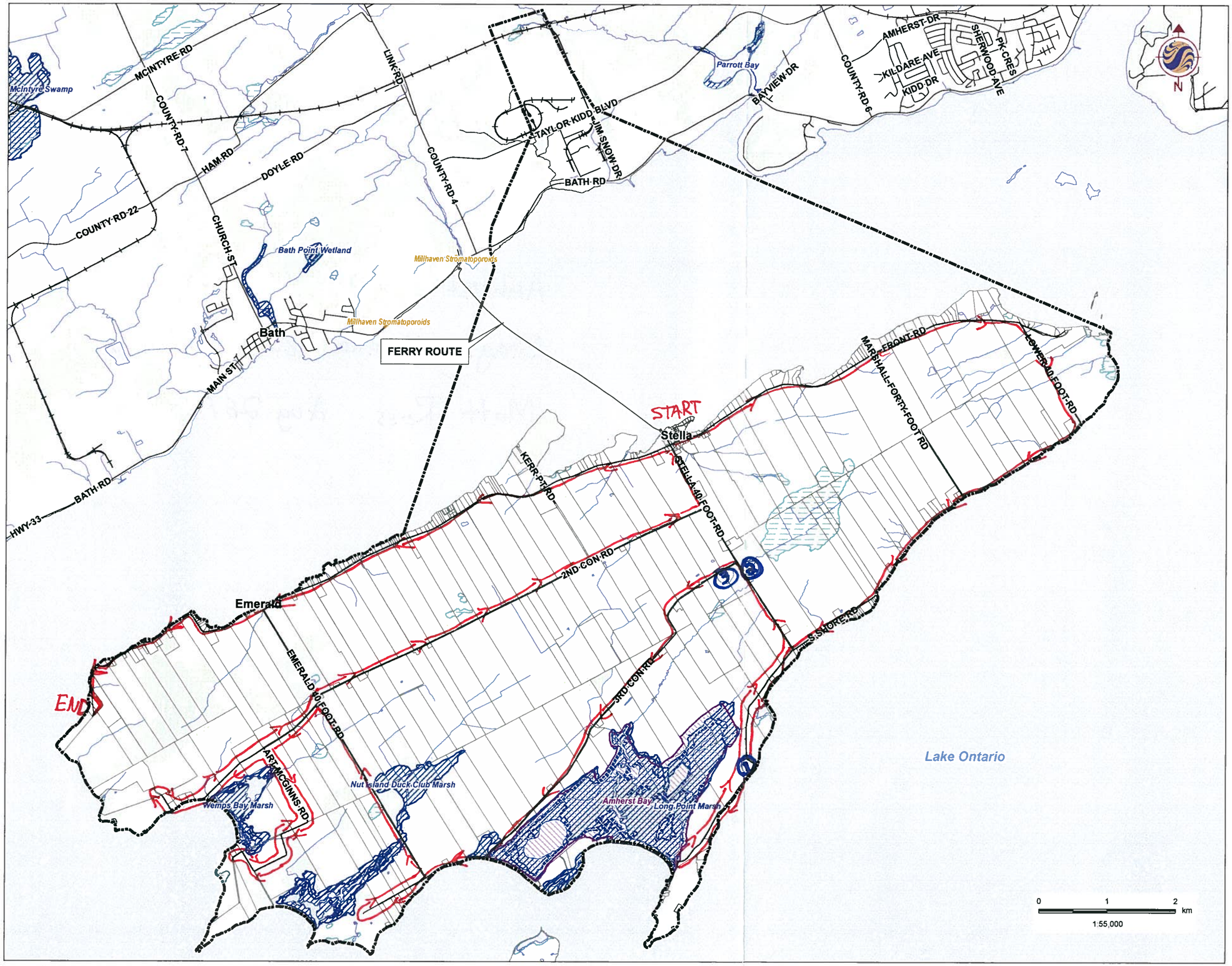
| Flock No. | Time | Species | No. of Individuals | Location / Habitat | Behaviour (i.e. Roosting / Feeding) |
|---|---|---|---|---|---|
| | | No flocks / large No.'s ; occasional Monarchs, giant swallowtails observed | | | |

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Field Personnel)

Signature: (Project Manager)

REV: 2011-05-05 / FORM 010b




## Legend

- Project Study Area
- Road
- Railway
- Watercourse
- Waterbody
- Unevaluated Wetland
- Provincially Significant Wetland
- ANSI, Earth Science
- ANSI, Life Science
- Property Boundaries
- Wooded Area

Staging Swallows
Week of Aug 22
M. Ross Aug 26 11

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.

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August 2011
160960595

Client/Project

WINDLECTRIC INC.
AMHERST ISLAND WIND ENERGY PROJECT

Figure No.

1

Title

**Field Map - Waterfowl & Raptor Migration**

W:\active\60960595\drawing\GIS\MXD\NHA\60960595_FieldMap_WaterfowlRaptorMigration_20110822.mxd
Revised on: 2011-08-22 By: pworsell

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# Swallow Staging Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: Aug 26/11

Field Personnel: Matthew Ross

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 17° - 20°C | 3 | 35 - 45% | None | Rain |

| Flock No. | Time | Species | No. of Individuals | Location / Habitat | Behaviour (i.e. height/direction of flight, feeding, etc.) |
|---|---|---|---|---|---|
| 1 | 9:25 | BARS | 15 | Pasture | Forage |
| 2 | 9:50 | BARS | 10 | Hay field / wire | Perch. -> Forage |
| 3 | 9:55 | TRES<br>BARS | 14<br>1 | wire / Hayfield | Perch |
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Signature: [signature]
(Field Personnel)

Quality Control: This form is complete ☑ & legible ☑

Signature: Katherine [signature]
(Project Manager)

REV: 2011-05-05 / FORM 010b

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# Butterfly Stopover Areas Observation Form

Project Number: 160960595

Project Name: Amherst Island

Date: Aug 26/11

Field Personnel: Matthew Ross

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 17° - 20°C | 3 | 35-45% | None | Rain |

| Flock No. | Time | Species | No. of Individuals | Location / Habitat | Behaviour (i.e. Roosting / Feeding) |
|---|---|---|---|---|---|
| — | — | No flocks / large #'s observed; occasional | | | — |
| | | Monarchs observed | | | |
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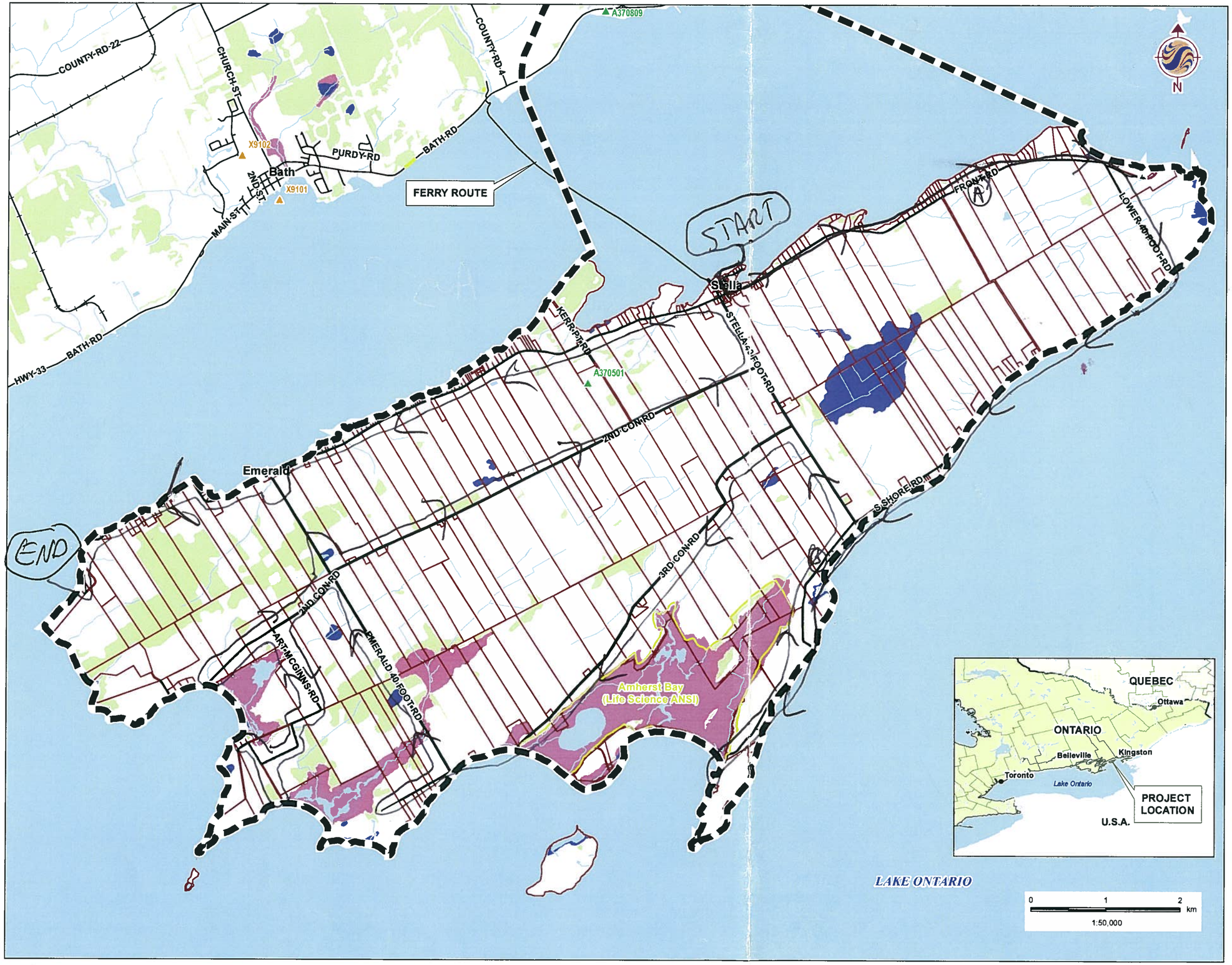
Signature: (Field Personnel)

Quality Control: This form is complete ☑ & legible ☑.

Signature: (Project Manager)

REV: 2011-05-05 / FORM 010b




## Legend

- Study Area
- Active Landfill
- Closed Landfill
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- PSW
- ANSI Boundary

Staging Swallows
WK of: Aug 29

Date: Sep 2, 2011
B. Holden
11:15 - 1:30

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.

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April 2011
160960595

Client/Project
Client
Title
Project

Figure No.
DRAFT

Title
**STUDY AREA**

W:\active\60960595\drawing\GIS\MXD\Fieldmaps\60960595_FieldMapOverview_20110413.mxd
Revised on: 2011-04-05 By: pworsell

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# Swallow Staging Observation Form

Project Number: 160960545

Project Name: Amherst

Date: Sep 2, 2011

Field Personnel: B. Holden

| Weather Conditions: | TEMP (°C): | WIND: | CLOUD: | PPT: | PPT (in last 24 hrs): |
|---|---|---|---|---|---|
| | 22-24°C | 3-4 SSW | 5% | — | — |

| Flock No. | Time | Species | No. of Individuals | Location / Habitat | Behaviour (i.e. height/direction of flight, feeding, etc.) |
|---|---|---|---|---|---|
| (A) | 11:27 | BARS-20 TREES-10 | 7 on wires | | H: 3m. |
| (B) | 12:01 | TREES-50 | 7 on wires | / marsh - | H: 5m. |
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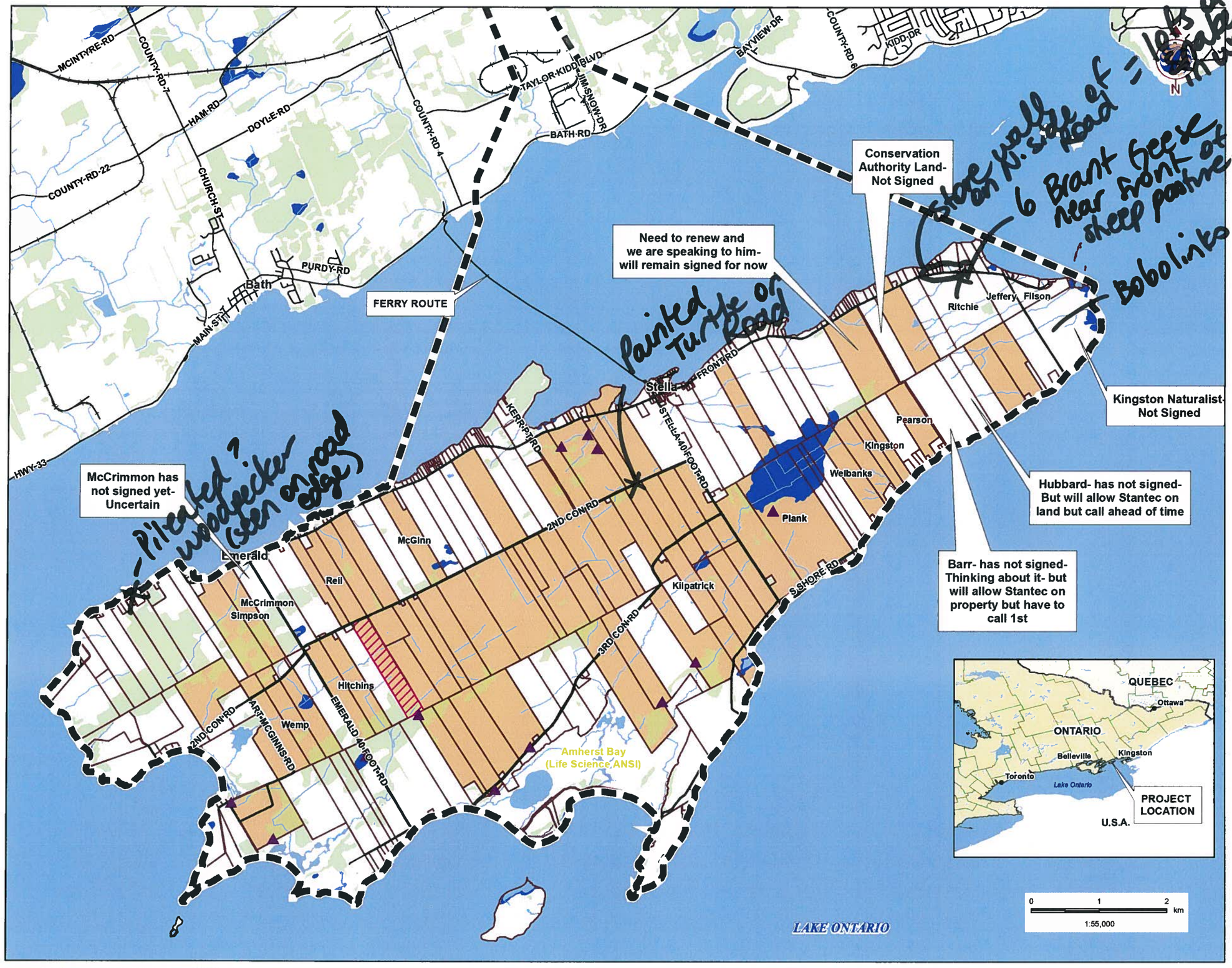
Signature: _____ (Field Personnel)

Quality Control: This form is complete ☒ & legible ☒.

Signature: Katherine Sh (Project Manager)

REV: 2011-05-05 / FORM 010b




## Legend

- Study Area
- Road
- Railway
- Watercourse
- Property Boundaries
- Wooded Area
- Waterbody
- Unevaluated Wetland
- Optioned Property
- 24hr Notice Required

## Notes

1. Coordinate System: UTM NAD 83 - Zone 18 (N).
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May 2011
160960595

Client/Project
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Title
Project

Figure No.
DRAFT

Title
**LAND ACCESS**

W:\active\60960595\drawing\GIS\MXD\60960595_Landaccess_20110511.mxd
Revised on: 2011-05-11 By: dharvey

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# Wildlife Habitat Assessment

Project Number: 160960595

Project Name: Amherst Island. WF

Date / Time: May 19 2011

Field Personnel: KE + RP.

| Weather Conditions: | Temp: | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
|---|---|---|---|---|---|
| | 19 | light | 20% | 0 | 1.mm |

**Visual assessment** (roadside – no access) ☒
**Physical assessment** (walk through feature) ☐

**Extent of physical investigation of feature**: ☐ Entire ☒ Partial (indicate on map) see map.

**Species Observations** List species and type of observation (indicate on map):
(CA = carcass; DP = distinctive parts; FE = feeding evidence; FY = eggs, nest; HO = house/den; OB = observed; SC = scat; SI = other sign; TK = track; VO = vocalization)

| Birds | Mammals | Herps | Butterflies / Dragonflies | Other |
|---|---|---|---|---|
| i.e.) A: AMRO/VO | | Eastern Gartersnakes (approx. 7) in rock wall along Front Road at Ritchie property. | | |