REPORT ON FOUR AVIAN SPECIES AT RISK AND OTHER BREEDING BIRD SPECIES WITHIN FRUITLAND-WINONA SECONDARY PLAN AREA, SCUBE CENTRAL, SCUBE EAST 'A' AND SCUBE EAST 'B' PARCELS

FINAL REPORT



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Introduction November 28, 2012

1.0 Introduction

Stantec Consulting Ltd. (Stantec) was retained by the City of Hamilton in 2012 to conduct avian Species at Risk (SAR) surveys and Breeding Bird Surveys within the Fruitland-Winona Secondary Plan Area (SPA) and the Scube Central, Scube East 'A' and Scube East 'B' parcels (collectively referred to hereafter as the Scube Parcels). The SPA and Scube Parcels are located in the east portion of the City of Hamilton and are generally bounded to the north by the Queen Elizabeth Way, to the west by Fruitland Road, to the south by Highway 8 and to the east by Fifty Road. A portion of the Scube East Parcel B extends easterly from Fifty Road approximately 1 km, so as to contain the channel of 50 Creek and additional lands east of the channel. The location of these parcels is shown in **Figure 1**¹.

SAR surveys were conducted for Bobolink (*Dolichonyx oryzivorus*), Eastern Meadowlark (*Sturnella magna*), Barn Swallow (*Hirundo rustica*) and Chimney Swift (*Chaetura pelagica*) as these species were considered to potentially occur and breed in the SPA and Scube Parcels [Ministry of Natural Resources (MNR), Karine Beriault, Guelph District SAR Biologist]. Each of these provincially threatened species typically nest and forage in human-altered habitats throughout much of eastern North America, including areas with a mix of rural and urban land use such as occur within the SPA and Scube Parcels. The Bobolink, Eastern Meadowlark and Barn Swallow typically nest and forage in agricultural habitats while Chimney Swift nests and forages over urban areas.

The purpose of these surveys was to determine whether particular avian SAR occur within the SPA and Scube Parcels and, to identify locations where avian SAR occur. Based on our findings, we were to make recommendations regarding areas, if any, which should be preserved for these avian SAR. General Breeding Bird Surveys were also conducted to identify breeding bird species within the SPA and Scube Parcels, whether SAR or non-SAR species Findings of these surveys are provided to the City of Hamilton and Hamilton Conservation Authority to guide land use planning and address requirements of the Endangered Species Act (ESA, 2007) within the Fruitland-Winona SPA and Scube Parcels.

Landowners and developers should also consider findings of this report to ensure proposed developments satisfy requirements of the ESA, 2007. It should be noted that the information is based on 2012 field work at the locations where property access was granted. Species distribution and habitat conditions will vary subject to land uses (e.g. agricultural practices), successional changes to natural environments, and bird species dynamics. Future decisions pertaining to the Endangered Species Act and/or Regulations must be made with the best

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¹ All figures referenced herein are provided in Appendix A

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information available at the time the decision is being made. Work performed was based on the Scope of Work provided by the City of Hamilton on April 3rd, 2012 and June 25th, 2012.

This report includes:

- Findings of avian SAR Surveys;
- Maps of avian SAR Locations;
- An evaluation of the habitat types in the study area in terms of their potential use by the following SAR: Bobolink, Eastern Meadowlark, Barn Swallow, and Chimney Swift;
- Recommendations regarding any potential areas for preservation of avian SAR habitat;
- Findings of Breeding Bird Surveys; and
- Field data sheets.

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Current Land Use November 28, 2012

2.0 Current Land Use

The SPA and Scube Parcels have historically been rural areas where farming was the dominant land use. In the SPA, wheat is still farmed to the west of Jones Road and remnant fruit trees and vineyards are occasionally present throughout the remainder of the SPA. In the Scube Parcels, farming still occurs on the east side of Lewis Road.

An examination of aerial imagery reveals that buildings within the SPA and Scube Central Parcel are common and highly concentrated along roadways; fallow land and limited active agricultural land lies in the interiors of parcels. The majority of buildings present are residences, but business and municipal buildings also occur. In the Scube East 'A' and Scube East 'B' parcels, fallow land occupies almost all of the parcels and buildings are only rarely present along roadways.

In addition to widespread fallow land, the SPA and Scube Parcels include small woodlands, shrub thickets and wetlands. All forms of natural habitat within the SPA and Scube Parcels are small in area, fragmented and in pioneering or early stages of vegetation succession.

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Methods

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3.0 Methods

SAR Surveys for Chimney Swift, Barn Swallow, Eastern Meadowlark and Bobolink were carried out in the SPA and Scube Parcels using protocols recommended by the MNR and Bird Studies Canada when these had been developed; and, protocols of the Ontario Breeding Bird Atlas (OBBA) (Cadman *et al.*, 2007) when specialized protocols do not exist.

Surveys for non-SAR birds were carried out in the SPA and Scube Parcels using protocols of the OBBA.

Survey methods for both SAR and non-SAR birds are described below.

3.1 CHIMNEY SWIFT

Chimney Swift is known to depend almost entirely on chimneys for nesting and roosting within southern Ontario. Therefore, assessment for this species focused on examining the suitability of chimneys for nesting and roosting using the Chimney Swift Monitoring Protocol (Bird Studies Canada, 2009) as well as making Chimney Swift observations.

The Chimney Swift Monitoring Protocol assesses the suitability of chimneys for Chimney Swift roosting/nesting based on their physical dimensions and the presence/absence of features which prevent Chimney Swifts from entering and leaving chimneys such as animal guards, spark protectors, terra cotta liners and metal liners. As buildings with potentially suitable chimneys were found within the Study Area only along the existing roadways, surveys consisted of stopping at 200 m intervals along all roadways where buildings occurred and determining the suitability of chimneys at these locations for Chimney Swift nesting and roosting. At each survey location, chimneys were observed for 15 minutes to allow opportunity to detect any Chimney Swifts using the chimney. Surveys for Chimney Swift were conducted throughout daylight hours as this species remains active throughout the day.

Using the 200 m intervals, and given the length of roadways present, 27 locations were surveyed within the SPA and 13 locations were surveyed within the Scube parcels. The lower number of locations within the Scube parcels is due to the lack of buildings in Scube East 'A' and Scube East 'B' parcels. Locations where chimneys were assessed for their suitability for Chimney Swift nesting are shown in **Figure 2**.

Chimney Swift surveys were conducted within the SPA on May 17th and 31st, 2012. Additional observations within the SPA were made June 25th, 2012 at two locations where Chimney Swift were encountered on May 31st. Surveys within the Scube Parcels occurred on June 26th, July 4th and July 12th, 2012.

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In addition to the dedicated Chimney Swift survey, any Chimney Swifts encountered in all other surveys conducted including SAR Surveys for Barn Swallow, Bobolink and Eastern Meadowlark and surveys for non-SAR birds were also recorded.

3.2 BARN SWALLOW

No MNR-sanctioned survey method for Barn Swallows exists. Recognizing that it is standard practice in avian surveys to identify and record all species of birds heard or seen, it was decided to assess Barn Swallows simultaneously with other species during standard OBBA point counts. These point counts are of five minute duration and are conducted during early morning hours (5 AM to 10 AM) when bird activity is at a maximum.

Point count locations were chosen before fieldwork commenced through consideration of habitat as characterized by Aquafor Beech (2012). Locations were chosen to provide the best possible access to all habitats found within the study area. Selection of point count locations had to accommodate limited property access within the SPA and restriction to road rights-of-way (ROWs) within the Scube Parcels. The survey locations selected for Barn Swallows were considered to adequately cover available habitat since Barn Swallows are aerial foragers and are highly mobile and easily detectable. To increase the probability of detection, monitoring occurred 3 times spaced through the nesting season.

Seventeen point count locations were chosen within both the SPA and Scube Parcels (**Figure 3**). Point counts within the SPA included locations both on and off roadways. Point counts within the Scube Parcels were limited to road ROWs. Surveys at the point count locations took place on June 11th/12th, June 25th and July 10th 2012 within the SPA and on June 26th, July 4th and July 12th, 2012 within the Scube Parcels.

Barn Swallow nests were searched for under bridges spanning watercourses within the SPA and Scube Parcels because Barn Swallows often nest on the exposed beams of older bridges (Cadman *et al.*, 2007). Aerial imagery and background documents identify that small watercourses cross under several roadways within the SPA and Scube Parcels including Barton, Highway 8, Fruitland Road and Glover Road in the SPA and the South Service Road in the Scube Parcels. Searches for Barn Swallow nests occurred at all locations where roads crossed watercourses.

Surveys for Barn Swallow nests took place at 7 watercourse locations within the SPA (**Figure 3**). These surveys took place on June 11th/12th, June 25th and July 10th 2012 within the SPA. Surveys for Barn Swallow nests took place at 2 watercourse locations within the Scube Parcels (**Figure 3**). Surveys within the Scube Parcels occurred on June 26th, July 4th and July 12th, 2012. Surveys for Barn Swallow nests took place throughout the day as any nests present would be visible at any time of the day.

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Any incidental observations of Barn Swallows made during Chimney Swift, Bobolink and Eastern Meadowlark surveys were also recorded.

3.3 EASTERN MEADOWLARK

Surveys for Eastern Meadowlark used 10 minute point counts in areas of apparently suitable habitat as identified through prior studies (Aquafor Beech, 2012) and aerial imagery. The 10 minute period is suggested by the MNR and is probably sufficient given the species frequent and distinctive vocalizations and conspicuousness in the open habitats it frequents.

Areas of apparently suitable habitat for Eastern Meadowlark consist of forb meadow, fresh – moist mixed meadow habitats and other open habitats. Point count locations were selected within the SPA and Scube Parcels before fieldwork commenced, in areas where access had been granted and habitat appeared suitable. To improve probability of detection, monitoring occurred 3 times spaced through the nesting season.

Surveys within the SPA took place at 10 locations on June 11th/12th, June 25th and July 10th, 2012. An initial reconnaissance of the Scube Parcels for Eastern Meadowlark habitat found habitat to be limited, such that only 1 location of apparently suitable habitat was selected for surveys. Surveys within the Scube Parcels occurred on June 26th, July 4th and July 12th, 2012. Because access to properties was not obtained for the Scube Parcels, this survey took place along the roadway adjacent to suitable habitat. Eastern Meadowlark survey locations are shown on **Figure 4**.

During general Breeding Bird Surveys and all other surveys, any additional Eastern Meadowlark sightings were recorded.

3.4 BOBOLINK

Bobolink was searched for simultaneously with Eastern Meadowlark at the same locations and dates. Therefore, surveys within the SPA took place at 10 locations on June 11th/12th, June 25th and July 10th, 2012 and within the Scube Parcels at 1 location on June 26th, July 4th and July 12th, 2012. Bobolink survey locations are shown on **Figure 4**.

During general Breeding Bird Surveys and all other surveys, any additional Bobolink sightings were recorded.

3.5 COMMON SPECIES

Surveys of non-SAR birds were conducted within the SPA and Scube Parcels using 5 minute point counts during which all species of birds heard or seen are identified and recorded. This 5 minute period is the standard recommended in the OBBA (Cadman *et al.*, 2007). Surveys were conducted during early morning hours (5 AM to 10 AM) when bird activity is at a maximum.

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Point count locations were chosen before fieldwork commenced through consideration of habitat as characterized by Aquafor Beech (2012). Locations were selected to provide the best possible access to all habitats found within the study area. Selection of point count locations had to accommodate limited property access within the SPA and restriction to road ROWs within the Scube Parcels. This restriction on point count locations likely affected detection of some species within the Scube Parcels.

To improve probability of detection, monitoring occurred 3 times spaced through the nesting season. Seventeen point count locations were chosen within both the SPA and Scube Parcels (**Figure 5**). Point counts within the SPA included locations both on and off roadways. Point counts within the Scube Parcels were limited to road ROWs. Surveys at the point count locations took place on June 11th/12th, June 25th and July 10th 2012 within the SPA and on June 26th, July 4th and July 12th, 2012 within the Scube Parcels.

Any avian SAR observed during these surveys were recorded and are mapped and considered in this report.

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4.0 Considerations for Species at Risk

This section presents relevant information on the biology of Chimney Swift, Barn Swallow, Eastern Meadowlark and Bobolink, evidence that declines have occurred in Ontario's populations and factors thought to be involved in their declines.

Evidence of declines is based primarily on the Ontario Breeding Bird Atlas (OBBA) (Cadman *et al.*, 2007) and Breeding Bird Survey (BBS) (Sauer *et al.*, 2011) as these two projects provide the most comprehensive information on Ontario's bird populations. The OBBA was conducted from 1981 to 1985 (Cadman *et al.*, 1987) and again from 2001 to 2005 (Cadman *et al.*, 2007), with over 121,000 hours and 152,000 hours of observations conducted in the first and second atlases respectively. The BBS has been conducted annually since 1966 across North America and Ontario and over 300 surveys have been conducted within Ontario (Sauer *et al.*, 2011).

Factors thought to be involved in declines are those discussed in relevant COSEWIC and COSSARO reports.

4.1 CHIMNEY SWIFT

Chimney Swift can be thought of as having two components to its habitat: chimneys within which nesting, roosting and reproduction occur and air masses within which foraging takes place. Chimney Swift nest sites have been afforded general habitat protection through the ESA (MNR 2008).

Chimney Swift is an aerial forager of flying insects; a group or guild of bird species that includes swallows, martins, flycatchers and goatsuckers. Aerial foragers have experienced widespread population declines since about the 1980s and these declines are suspected to be due, in part, to declining populations of flying insects (McCracken, 2008). According to the BBS, the Canadian Chimney Swift population declined 7.8% annually between 1968 and 2005, resulting in a cumulative decline of 95% over that 37-year period (COSEWIC, 2007). Similarly, data from the OBBA estimates that the probability of Chimney Swift detection declined by 46% in Ontario between 1981-1985 and 2001-2005. Data from the United States indicates that the species is declining there as well (COSEWIC 2007).

Chimney Swifts are believed to have declined only in part due to drops in flying insect populations. Major losses of nest and roost sites may be a more significant problem. Chimney Swifts are almost entirely dependent upon chimneys for nesting and roosting. Suitable chimneys are larger than 28.5 cm in diameter, offer protection against cold weather and include a rough inner surface of brick, cement, or tile permitting the attachment of nests. Suitable chimneys also must be freely accessible to Chimney Swifts (Bird Studies Canada, 2009). In recent decades, older chimneys have been modified to improve safety by the addition of spark protectors, animal

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guards, metal liners and caps. These modifications inadvertently made chimneys inaccessible to Chimney Swifts (COSSARO, 2009; COSEWIC, 2007). As well, since about 1960, homes have generally been built with chimneys too small for use by Chimney Swift.

As the dramatic reduction in suitable nesting and roosting sites appears to be a principal cause for declining populations of Chimney Swift, any effort to protect the species would need to focus on protecting remaining nest and roost sites.

4.2 BARN SWALLOW

Like the Chimney Swift, Barn Swallow habitat can be considered to consist of a nest site and foraging habitat. Nests are almost always built on human structures that provide a horizontal nesting surface such as barns, sheds, garages, bridges with exposed beams and road culverts. Barns have historically been important breeding sites for Barn Swallow and unlike garages, shed and other structures where nest sites are more limited, barns typically support larger colonies of Barn Swallow (COSEWIC, 2011a). Barn Swallows forage for flying insects over a variety of relatively open areas such as pastures, fallow land, and farmland of various descriptions, wetlands, road ROWs, large forest clearings, cottage areas, islands, sand dunes and lakeshores (COSEWIC, 2011a).

Like Chimney Swift, Barn Swallows are aerial foragers and have experienced widespread population declines both within Ontario and across much of North America (COSSARO, 2011a). The declines in Barn Swallow populations are likely due in part to reductions in flying insect populations (McCracken, 2008). In Canada, long-term BBS data show a statistically significant decline of 3.6% per year between 1970 and 2009, which corresponds to an overall population decline of about 76% over the last 40 years (COSEWIC, 2011a). In Ontario, the probability of detection for Barn Swallow declined by 35% between the first and second OBBA (Cadman *et al.*, 2007).

Despite these declines, Barn Swallows remain quite widespread and common in southern Ontario (Cadman *et al.*, 2007; COSEWIC 2011a). While it may seem contradictory that a species can be both "at risk" and relatively common and widespread, SAR classification within Ontario considers population trends and threats to a species as well as its current abundance and distribution. For Barn Swallow, classification as a provincially threatened species was made because the population decline is over the threshold level of 30% over the most recent 10-year period (COSSARO 2011a).

While declining populations of flying insects are likely partly responsible for declines in Barn Swallow populations, declines in the number of nest sites may also be involved as older-style wooden farm structures with easy access to nest sites are gradually replaced by modern buildings that lack easy access to suitable nesting sites (COSEWIC, 2011a; COSSARO, 2011a). Other factors responsible for declining populations are the replacement of grassland

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and pastures with row crops and urban land uses, use of pesticides, reduction in the fecundity of Barn Swallows and other factors (COSEWIC, 2011a).

4.3 EASTERN MEADOWLARK

The Eastern Meadowlark is most common in native grasslands, pastures and savannahs. It also uses other anthropogenic grassland habitats including hayfields, weedy meadows and grassy airfields. Eastern Meadowlarks occasionally nest in row crop fields such as corn and soybean, but these crops are considered low-quality habitat. Large tracts of grasslands are preferred over smaller fragments: the 'Significant Wildlife Habitat Technical Guide' (MNR, 2000) states that 10 ha of suitable habitat are necessary for Eastern Meadowlark breeding. Vegetation structure is also important. Generally, optimal habitat contains moderately tall (25 to 50 cm) grass with abundant litter cover, a high proportion of grass, moderate to high forb density and low shrub and tree cover.

The Eastern Meadowlark is one of a number of grassland species which have shown widespread population declines (McCracken, 2005). The Eastern Meadowlark has shown significant declines in Ontario and Canada. Long-term BBS data show a statistically significant population decline of 3.1% per year in Canada between 1970 and 2009, which corresponds to an overall decline of 71% over 40 years (Sauer *et al.*, 2011). The OBBA shows a similar decline with Eastern Meadowlark detected 13% less frequently in Ontario and 16% less frequently in the Carolinian zone in the second Atlas compared to the first 20 years earlier.

Several factors appear to be involved in the species' declining populations. Habitat loss appears to be a primary factor as grasslands and pastures at the edges of urban areas or in marginal farming areas are abandoned and succeed to forest or shrub-dominated areas. Habitat is also lost when grasslands and pastures are converted to row crops or urban land uses. Other factors that may be involved in declining populations include: changes in farming practices, particularly earlier and more frequent haying that appears to significantly reduce nestling and adult survival; pesticide use; predation; Brown-headed Cowbird parasitism; climate change; and overgrazing by livestock (COSEWIC, 2011b; COSSARO, 2011b).

4.4 BOBOLINK

The Bobolink nests primarily in forage crops (e.g. hayfields and pastures), abandoned fields dominated by tall grasses and small-grain fields (COSEWIC, 2010). In Ontario it was probably originally rare, but its range expanded with the arrival of Europeans and the conversion of forests to forage crops. The Bobolink is sensitive to habitat size; the 'Significant Wildlife Habitat Technical Guide' (MNR, 2000) suggests that habitat should be at least 50 ha in size to support breeding.

Like Eastern Meadowlark, Bobolink is a grassland species. The Bobolink has significantly declined in Canada and Ontario. In Canada, long-term BBS data show a significant decline of

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5.2% per year between 1968 and 2008, which corresponds to a population loss of 88% over the last 40 years (COSEWIC, 2010). In Ontario, the OBBA showed a statistically significant decline in the probability of detection of 28% in Ontario and of 10% within the Carolinian zone between 1981-1985 and 2001-2005.

Changing farming practices and habitat loss appear to be the major factors involved in population declines. Haying is occurring earlier in the summer and frequently occurs before Bobolinks fledge. When fields with active nests are cut, mortality of young is 94% (COSEWIC 2010). The conversion of hayfields and pastures to row crops has also played a part in population declines as row crops are rarely used for nesting. Pastures have declined by 35% to 70% between 1981 and 2001 in different regions of Ontario (Cadman *et al.*, 2007). Bobolink breeding habitat has also been lost as farmland near cities have been converted to urban land uses, and abandoned farmland has succeeded to forested or shrub-dominated habitat. Pesticide use on both breeding and wintering grounds, habitat fragmentation, overgrazing by livestock and climate change are also considered potential contributors to population declines (COSEWIC 2010; COSSARO 2010).

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Results

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5.0 Results

The following reports findings of 2012 surveys for SAR based on all survey types and for non-SAR based on general Breeding Bird Surveys. All data sheets used to record observations are provided in **Appendix C**.

5.1 CHIMNEY SWIFT

5.1.1 Fruitland-Winona SPA

A significant effort was made to detect Chimney Swift and Chimney Swift accessible chimneys in the SPA. Surveys of chimneys took place at 27 locations on May 17th and 31st, 2012. Additional opportunity to detect Chimney Swifts occurred while conducting non-SAR bird surveys. Such surveys took place at 17 locations throughout the SPA on June 11th/12th, June 25th and July 10th, 2012. The total time spent searching for Chimney Swift within the SPA was approximately 30 hours.

Despite this considerable search effort, Chimney Swift was recorded at only 3 locations within the SPA. Birds observed appeared to be foraging only, flying well above chimneys present, making no effort to enter chimneys and flying over an extensive area. As Chimney Swifts are aerial foragers which fly for much of the day and wander widely from nest and roost sites, the limited observations suggest that the observed swifts nest and roost outside of the SPA but occasionally forage in the air mass above the SPA. Locations where Chimney Swift was encountered were in the vicinity of Highway 8 and are shown in **Figure 6**.

During surveys of chimneys, chimneys at 27 properties were assessed for suitability based on their dimensions and the presence or absence of safety features such as animal guards, spark protectors, metal liners, and terra cotta liners. At all chimneys examined, it was observed that chimneys were unsuitable for nesting or roosting due to various types of modifications to chimneys which prevent swifts from entering.

Based on the unsuitability of chimneys, the limited number of Chimney Swift sightings and the behaviour of those swifts observed, Chimney Swifts do not appear to nest or roost within the SPA.

5.1.2 Scube Parcels

A significant effort was also made to detect Chimney Swift and Chimney Swift accessible chimneys in the Scube parcels. Surveys of chimneys took place on June 26th, July 4th and 12th, 2012 using the Chimney Swift Monitoring Protocol at 13 locations. As with the SPA, additional opportunity to detect Chimney Swifts occurred while conducting non-SAR bird

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surveys which took place on June 26th, July 4th and July 12th, 2012 at 17 locations. Despite a search effort of approximately 10 hours during dedicated Chimney Swift surveys and an additional time of approximately 15 hours during general breeding bird surveys, Chimney Swift was not recorded within any of the Scube parcels during any component of fieldwork (**Figure 6**).

Chimneys were assessed for suitability for Chimney Swift nesting and roosting on June 26th, July 4th and 12th, 2012 using the Chimney Swift Monitoring Protocol at 13 locations. No chimneys were found which appeared suitable for use by Chimney Swift. Only Scube Central had a significant number of buildings with chimneys, but these chimneys all had modifications such as animal guards and metal liners which prevent Chimney Swift from entering the chimney. Chimneys were found to be almost entirely lacking in the Scube East 'A' and Scube East 'B' parcels due to buildings being only rarely present.

Based on the lack of Chimney Swift sightings and the unsuitability of chimneys, Chimney Swifts do not appear to nest or roost within the Scube Parcels.

5.2 BARN SWALLOW

5.2.1 Fruitland-Winona SPA

Barn Swallows are common and widespread within the SPA. They were observed at 17 locations and were encountered on surveys conducted May 17th and 31st, June 11th, 12th and 25th and July 10th, 2012. Birds were encountered on general Breeding Bird Surveys, Bobolink and Eastern Meadowlark surveys and Chimney Swift surveys. Surprisingly, no Barn Swallows or Barn Swallow nests were encountered at the seven watercourse crossing locations. Overall, the species was encountered with such frequency that it was one of the most widespread species in the SPA (**Table 1**, Appendix B). The locations of observed birds are shown in **Figure 7**. The abundance of Barn Swallow within the SPA may seem at odds with its status as a provincially threatened SAR but its provincial status is based on declining numbers (COSSARO 2011a) rather than rarity and our results are in accord with results of the second OBBA which showed it to be present in almost all parts of southern Ontario (Cadman *et al.*, 2007).

Birds were observed to preferentially forage over cultural meadows, abandoned farmland, agricultural fields and mown lawns. These habitats are all herbaceous-dominated and consistent with descriptions of foraging habitat provided in COSEWIC (2011a). Field investigations and aerial photography show such herbaceous-dominated areas to dominate the majority of the SPA and the ubiquity of this type of habitat likely accounts for the abundance of the species within the SPA. When observed, Barn Swallows were found in small numbers (<10) rather than large concentrations.

During fieldwork it was observed that apparently suitable nest sites for Barn Swallow such as sheds and garages were common within the SPA. While these structures were not counted they may number several hundred. These apparently suitable structures are for the most part

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associated with private residences which are common along all roadways and not within the interior of land parcels. Field investigations also determined that barns which could support larger Barn Swallow colonies were not present within the SPA. Therefore it is expected that sheds, garages and other structures associated with private residences are the most frequently used and important structures for Barn Swallow nesting. Observations which would suggest nesting in these structures such as birds entering/leaving buildings were limited but did occur. Unlike barns which can support larger colonies (COSEWIC, 2011a), individual sheds and garages within the SPA likely typically support only one or two pairs due to their relatively limited space.

Barn Swallow nests were specifically searched for at 7 locations where roadways within the SPA crossed watercourses (**Figure 2**). This specific effort was made because Barn Swallows frequently nest on the exposed horizontal beams that support many bridges. Barn Swallow nests were not observed at any of the 7 watercourse crossings and watercourses were found to be spanned by box culverts or corrugated steel pipes rather than bridges. The box culverts and corrugated steel pipes which span watercourses within the SPA do not provide Barn Swallow nesting opportunities due to the lack of horizontal structures upon which swallows could build nests, their relatively small height and width (1 to 2 m) and the presence of vegetation at the ends of culverts which appears likely to obstruct Barn Swallows from entering.

5.2.2 Scube Parcels

Barn Swallows are common and widespread within the Scube parcels. They were observed at 14 locations within the Scube parcels distributed across all Scube Parcels. Barn Swallows were observed on surveys conducted June 26th, July 4th and July 12th, 2012 both during general Breeding Bird and dedicated Chimney Swift surveys. The locations of observed birds are shown in **Figure 7** and the relevant data sheets are provided in **Appendix C**.

Birds observed were foraging over cultural meadows, abandoned farmland and mown lawns. Field investigations and aerial photography show such areas to dominate the majority of the Scube Parcels and the ubiquity of this type of habitat likely accounts for the abundance of the species within the Scube Parcels. When observed, Barn Swallows were found in small numbers (<10) rather than large concentrations.

Field investigations determined that apparently suitable nest sites such as sheds and garages were common within the Scube Central parcel and concentrated along existing roadways and not within the interior of land parcels. Scube East Parcel 'A' and Scube East Parcel 'B' had very limited number of garages, sheds and other potential nest sites within them. Field investigations also determined that barns which often support larger colonies in Ontario were not present within the Scube parcels.

Watercourse crossings which have the potential to allow Barn Swallow nesting under bridges were limited to a crossing of a creek along the South Service Road to the east of Fifty Road. No

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Barn Swallows or their nests were observed at this watercourse (**Table 2**, Appendix B). Field investigations determined that this watercourse is spanned by a relatively large box culvert which does not provide nesting opportunities due to the lack of ledges upon which swallows could build nests, and the presence of vegetation at the ends of culverts which appeared to obstruct entrance to the culverts.

5.3 EASTERN MEADOWLARK

5.3.1 Fruitland-Winona SPA

A significant effort was made to detect Eastern Meadowlark in the SPA. Dedicated Eastern Meadowlark surveys took place at 10 locations with suitable habitat located throughout the SPA on June 11th/12th, June 25th and July 10th, 2012. General breeding bird surveys which can also detect Eastern Meadowlark took place at an additional 7 locations on June 11th/12th, June 25th and July 10th, 2012. The total time spent searching for Eastern Meadowlark within the SPA was approximately 15 hours.

Despite this significant search effort, Eastern Meadowlarks were not observed within the SPA during surveys dedicated to this species or during other fieldwork (**Figure 8**). The lack of observations occurred despite the conspicuous nature of the species and the observers' prior experience with the species. When present, the Eastern Meadowlark is easily detected as its breeding songs and calls are distinctive and its frequent flights above grasslands are conspicuous. The absence of sightings during our 2012 investigations provides good evidence that no Eastern Meadowlark breeding occurred this year within the SPA.

Habitat within the SPA appears unsuitable for Eastern Meadowlarks for two reasons. First, grassland habitats within the SPA are relatively small compared to the 10 ha value cited in the 'Significant Wildlife Habitat Technical Guide' (MNR, 2000). Second, herbaceous vegetation appears to be denser, higher and composed of a high frequency of forbs relative to grasses compared to optimal habitat preferred by Eastern Meadowlarks (Zimmerman, 1992; Bollinger, 1995). Optimal habitat for Eastern Meadowlark is considered to consist of sparse, short, patchily-distributed, grass-dominated vegetation. Third, shrubs and tree saplings appear to be too frequent within abandoned farmland for Eastern Meadowlark. Shrub and tree cover values of 5% are considered optimal for Eastern Meadowlark habitat (COSEWIC, 2011b) but shrub and tree cover within the SPA appeared to significantly exceed this value. As the shrub and tree saplings already present will likely increase in density and height, the suitability of the land for breeding by Eastern Meadowlark will only decrease in the future.

5.3.2 Scube Parcels

Search effort for Eastern Meadowlark within the Scube Parcels was considerable with searches occurring at 17 locations on June 26th, July 4th and July 12th, 2012. Despite a search effort of approximately 15 hours within the Scube parcels, Eastern Meadowlarks were detected at only

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three locations within the Scube parcels, all in the vicinity of Lewis Road (**Figure 8**). Birds were encountered at these sites only on the initial survey (June 26th) and appeared to be absent on subsequent surveys (July 4th and 12th) at the same locations. Due to its frequent vocalizations, Eastern Meadowlark is a fairly conspicuous species and the lack of sightings on July 4th and 12th suggests the species may have abandoned the sites between the first and subsequent surveys.

Habitat within the Scube parcels was compared to optimal Eastern Meadowlark habitat as described in COSEWIC (2011b) and the 'Significant Wildlife Habitat Technical Guide' (MNR, 2000). To be suitable for occupancy, grassland habitat must be 10 ha or larger (MNR 2000). However, within the Scube parcels, hedgerows, shrubs and treed areas are frequent and appear to fragment grassland habitat into areas less than 10 ha in size. Second, optimal shrub and tree cover is considered to be 5% for Eastern Meadowlark (COSEWIC, 2011b) but shrub and tree cover within herbaceous-dominated areas appears to exceed this value. Due to insufficient sizes and excessive woody cover, habitat for Eastern Meadowlark appears to be marginal within the Scube parcels.

5.4 BOBOLINK

5.4.1 Fruitland-Winona SPA

Despite three surveys conducted specifically to detect Bobolink at 10 point count locations and an additional three surveys conducted for breeding birds in general at 17 point count locations, Bobolinks were observed in only one part of the SPA. These sightings occurred between Fruitland and Jones Roads where a mixed meadow several hectares in size exists (**Figure 8**). During the June 11th, 2012 survey, 4 male and 1 female Bobolink were observed in a mixed meadow. Two males appeared agitated by the observer's presence and the female appeared paired with one of the males. These observations suggest that at this date, Bobolinks were attempting to breed within the area. During the second and third surveys conducted June 25th and July 10th, 2012, no Bobolinks were observed in the same area. Their absence at these later dates suggests the birds had abandoned the mixed meadow as it is unlikely that birds would have successfully bred and then dispersed from the area by these dates.

The area Bobolinks were observed within had earlier been identified as a fresh-moist mixed meadow (Aquafor Beech, 2012). Habitat within this area was compared to optimal Bobolink habitat as described in COSEWIC (2010) and the 'Significant Wildlife Habitat Technical Guide' (MNR, 2000). Optimal Bobolink habitat has a low frequency of shrub and tree cover within the dominant herbaceous vegetation (COSEWIC, 2010). While conducting fieldwork, it was observed that the mixed meadow had inclusions of old hedgerows and stands of trees and shrubs and that the number of new saplings and shrubs was high, making the area unsuitable as Bobolink habitat. Further evidence of the unsuitability of the area for Bobolink is based on the area occupied. The 'Significant Wildlife Habitat Technical Guide' (MNR, 2000) states that 50 ha or more of habitat is required for occupancy by Bobolink. Within the SPA, the area occupied by

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Bobolink was estimated by creating a polygon from observation locations and determining the enclosed area. This area was determined by be 7 ha, far below the 50 ha value cited in the 'Significant Wildlife Habitat Technical Guide' (MNR, 2000).

During the July 10th, 2012 survey, 2 male and one female/juvenile Bobolinks overflew the area. Based on their behaviour, these birds appeared to be post-breeding individuals moving through the area. Fall migration of this species begins in mid-to-late July, with adults and immature birds forming loose flocks close to the breeding grounds (COSEWIC, 2010).

5.4.2 Scube Parcels

Despite a search effort of approximately 15 hours which included three surveys for breeding birds in general at 17 locations and three surveys specifically for Bobolink at one location, no evidence that Bobolink breed within the Scube parcels was obtained. During surveys conducted June 26th and July 4th, Bobolink was not observed at any locations despite the conspicuous nature of this species with its frequent singing and flights over open grasslands. The absence of sightings provides good evidence that Bobolinks do not breed within the Scube Parcels.

On the July 12th survey, Bobolink was observed at one location (**Figure 8**). At this location, three Bobolinks were observed to overfly the area, moving in an easterly direction without stopping. Fall migration of this species begins in mid-to-late July, with adults and immature birds forming loose flocks close to the breeding grounds (COSEWIC, 2010). The three individuals observed overflying the Scube parcels were judged to be post-breeding birds engaged in this behavior.

As with the SPA, habitat within the Scube parcels was compared to optimal Bobolink habitat as described in COSEWIC (2010) and the 'Significant Wildlife Habitat Technical Guide' (MNR, 2000). Optimal Bobolink habitat has a low frequency of shrub and tree cover within the dominant herbaceous vegetation (COSEWIC, 2010). While conducting fieldwork, it was observed that no land was being farmed and that fallow land was a mix of herbaceous meadows, thickets and early succession forest. As with the SPA, herbaceous dominated areas appeared to include a frequency of shrubs and saplings sufficiently high that these areas would be unsuitable for Bobolink. As well, no area of herbaceous-dominated vegetation was near in size to the 50 ha value cited in the 'Significant Wildlife Habitat Technical Guide' (MNR, 2000). It was also noted during fieldwork that some portions of the Scube parcels are being developed for residences.

Our observations that much of the Scube parcels are succeeding to tree and shrub-dominated communities or are being developed for residences, coupled with the lack of breeding evidence, strongly suggests that the Scube parcels lack breeding Bobolink and that the species will continue to be absent from the area.

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5.5 COMMON NIGHTHAWK

Common Nighthawk (*Chordeiles minor*) has been designated as a species of Special Concern on the SARO list and when observed is often within urban areas (Cadman *et al.*, 2007). Surveys for this species were not included within the work plan but one individual was observed during the Chimney Swift chimney assessment carried out May 31st. The individual observed was flying about 100 m above the ground in an erratic manner and appeared to be foraging in the way characteristic of its species. No behavior was observed which would suggest nesting. As a species of special concern, the Common Nighthawk and its habitat are not protected through the ESA, 2007.

5.6 COMMON SPECIES

The following section reports findings of 2012 general Breeding Bird Surveys with respect to all species of breeding birds including SAR. SAR results are discussed in more detail in **Sections 5.1** through **5.5**.

5.6.1 Fruitland-Winona SPA

A total of 44 species were encountered within the SPA. These species are listed in **Table 1** (Appendix B) from the most frequently encountered to least frequently encountered species. Of the 44 species encountered, 26 are considered to be common and widespread within Ontario (S5 rank), 14 are considered uncommon but not rare within Ontario (S4 rank) and 2 species are not native to Ontario.

Species observed are adaptive to a wide variety of habitat and capable of using small, fragmented areas of suitable habitat. Examples of such species include American Robin (*Turdus migratorius*), Song Sparrow (*Melospiza melodia*), Northern Cardinal (*Cardinalis cardinalis*), American Goldfinch (*Carduelis tristis*) and Brown-headed Cowbird (*Molothrus ater*). Each of these species was encountered at 10 or more locations within the SPA. Due to their abundance and widespread distributions within Ontario, these species are not considered of conservation concern. The provincially threatened Barn Swallow was also widespread (10 locations) and is discussed in **Section 5.2**.

The least frequent species were 11 species encountered at only 1 location. These species were Red-tailed Hawk, (*Buteo jamaicensis*), American Kestrel (*Falco sparverius*), American Woodcock (*Scolopax minor*), Black-billed Cuckoo (*Coccyzus erythropthalmus*), Downy Woodpecker (*Picoides pubescens*), Northern Flicker (*Colaptes auratus*), Alder Flycatcher (*Empidonax alnorum*), Warbling Vireo (*Vireo gilvus*), White-breasted Nuthatch (*Sitta carolinensis*), Brown Thrasher (*Toxostoma rufum*) and Swamp Sparrow (*Melospiza georgiana*). Although these species were only infrequently found within the SPA, they are still relatively common species within Ontario with wide distributions (S4 and S5 species) and are not of conservation concern.

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Within the SPA, most species encountered have relatively stable populations. Thirty of 44 species encountered did not show any statistically significant change in numbers between the two OBBAs in the Carolinian zone (**Table 1**, Appendix B). Relatively stable species include most of the more widespread species such as Northern Cardinal, Song Sparrow, Gray Catbird and Brown-headed Cowbird and the Barn Swallow, which was reported as stable in the Carolinian zone, even though this species was reported as showing statistically significant declines in the province as a whole based on the OBBA work.

Statistically significant declines over the OBBA periods were reported in 11 of the 44 species encountered (**Table 1**, Appendix B). Declining species included four aerial insectivores, five grassland/shrub species, one wetland and one forest species.

Declines in aerial insectivores are possibly due to declines in aerial insects, pesticides use both on breeding grounds and wintering areas, loss of habitat and for Chimney Swift, loss of nesting and roosting sites (North American Bird Conservation Initiative Canada, 2012; Nebel *et al.*, 2010). Declining aerial insectivores encountered within the SPA were Chimney Swift, Northern Rough-winged Swallow, Common Nighthawk and Eastern Kingbird.

Grassland and shrub dwelling species have shown widespread declines in much of North America (North American Bird Conservation Initiative Canada, 2012). The decline in grassland/shrub species appears to be due to: the loss of habitat as grasslands/shrub habitat is replaced by urban development near urban areas or reforested on marginal farmland; as pastures are replaced by row crops and hedgerows are removed; and through increases in pesticide and herbicide use (North American Bird Conservation Initiative Canada, 2012). Declining grassland/shrub species detected consisted of Field Sparrow, Bobolink, American Kestrel, Brown Thrasher and Eastern Kingbird, which is also considered a member of the aerial insectivores.

The wetland species encountered within the SPA which has shown declines within the Carolinian zone is the American Woodcock while the forest-dwelling species is the Northern Flicker.

Three species encountered within the SPA have had statistically significant population increases within the Carolinian zone; these species are House Finch, Cooper's Hawk and Black-capped Chickadee. The House Finch has shown a large population increase between 1981/85 and 2001/05. During this time period the species colonized southern Ontario after being introduced in New York state (Cadman *et al.*, 2007). Cooper's Hawk has also increased greatly after adapting to urban landscapes (Bird Life International, 2012). The Black-capped Chickadee population increase is much smaller but still statistically significant. Population increases are possibly due to an increase in the amount of forest habitat (North American Bird Conservation Initiative Canada, 2012).

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5.6.2 Scube Parcels

A total of 45 species were encountered within the Scube parcels and these are listed in **Table 2** (Appendix B) from the most frequently encountered to least frequently encountered species. Of species encountered, 24 are considered to be common and widespread within Ontario (S5 rank), 18 species are considered uncommon but not rare within Ontario (S4 rank) and 3 species are not native to Ontario.

As with the SPA, species were adaptive to a wide variety of habitat and capable of using small, fragmented areas of suitable habitat. The most widespread species were largely the same as within the SPA: American Robin, Northern Cardinal, Red-winged Blackbird (*Agelaius phoeniceus*), American Goldfinch, Song Sparrow and Brown-headed Cowbird were all encountered at 15 or more locations. These species are not considered of conservation concern.

The least frequently encountered species were 7 species encountered at 1 location: American Kestrel, Downy Woodpecker, Eastern Phoebe (*Sayornis phoebe*), Purple Martin (*Progne subis*), White-breasted Nuthatch (*Sitta carolinensis*), Indigo Bunting (*Passerina cyanea*) and Purple Finch (*Carpodacus purpureus*).

Barn Swallow, Eastern Meadowlark and Bobolink, all of which are provincially threatened, were all encountered within the Scube parcels. The Barn Swallow was observed at 14 locations (**Figure 4**) while the Eastern Meadowlark and Bobolink were observed at 3 and 1 locations respectively. These SAR are discussed in **Sections 5.2** through **5.4**.

The comparison of birds encountered in the Scube parcels and the list of increasing, decreasing and relatively stable species, based on the two OBBAs, yielded results similar to the SPA area. Of the 45 species encountered, 27 have shown relatively stable populations within the larger Carolinian zone between 1981/85 and 2001/05 (**Table 2**, Appendix B). Relatively stable species again include most of the species which are widespread in the Scube Parcels such as American Robin, Red-winged Blackbird, Mourning Dove, Song Sparrow and the Barn Swallow although this species has shown statistically significant declines in the province as a whole.

Statistically significant (<0.1) declines have occurred in 12 of the 45 species encountered within the Scube parcels (**Table 1**, Appendix B). Declining species included three aerial insectivores, six grassland/shrub species and three forest species. Declining aerial insectivores encountered within the Scube parcels were Northern Rough-winged Swallow, Eastern Kingbird and Purple Martin. Declines in aerial insectivores are possibly due to declines in aerial insects, pesticides use both on breeding grounds and wintering areas and loss of habitat (North American Bird Conservation Initiative Canada, 2012; Nebel *et al.*, 2010).

Grassland/shrub species encountered within the Scube parcels which have declined significantly in the Carolinian zone are Eastern Meadowlark, Field Sparrow, Bobolink, Brown

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Thrasher, American Kestrel and Eastern Kingbird which is a shrub-dwelling species as well as an aerial insectivore.

Forest-dwelling species encountered within the Scube parcels which have declined significantly in the Carolinian zone are Northern Flicker, Indigo Bunting and Purple Finch.

One additional declining species was encountered whose habitat is difficult to categorize. This species, the Killdeer, typically forages and nests on lawns and bare soil.

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6.0 Discussion

The following section evaluates habitat in the SPA and Scube Parcels in terms of their potential use by Bobolink, Eastern Meadowlark, Barn Swallow, Chimney Swift and common species. No areas are recommended for preservation for these species due to small or non-existent populations, poor quality habitat which appears to be further declining in value as breeding habitat, and for Barn Swallows, the lack of concentrated breeding or foraging areas.

Stantec notes that this recommendation is purely from a Planning Act perspective and in no way affects the application of the ESA, 2007. The ESA, 2007 will continue to apply to all individuals and habitat for these Species at Risk, and will need to be applied on a case by case basis as any alterations to land use or habitat conditions are considered.

6.1 CHIMNEY SWIFT

6.1.1 Fruitland-Winona SPA

No areas within the SPA are recommended for preservation as a means of preserving the provincially threatened Chimney Swift.

The primary reason for not protecting any portion of the SPA for Chimney Swift populations is that the species appears to be limited to occasional foraging within the air mass above the SPA. Nesting appears to occur somewhere outside of the SPA.

Secondly, it was observed that chimneys in the SPA were unsuitable for nesting or roosting by this species due to modifications to chimneys which increase safety but prevented Chimney Swift from entering.

6.1.2 Scube Parcels

No areas within the Scube Parcels are recommended for preservation as a means of preserving the provincially threatened Chimney Swift. The rationale for this conclusion is as follows.

Based on our 2012 surveys, the Chimney Swift does not appear to occur within the Scube Parcels (**Figure 6**).

Secondly, it was observed that chimneys in the Scube Parcels were unsuitable for nesting or roosting by this species due to the absence of chimneys in the Scube East 'A' and Scube East 'B' parcels, and the modifications to chimneys which had occurred in the Scube Central parcel.

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6.2 BARN SWALLOW

6.2.1 Fruitland-Winona SPA

No areas within the SPA are recommended for preservation as a means of preserving the provincially threatened Barn Swallow. This conclusion is based on the lack of concentrated foraging and nesting areas for Barn Swallows. The absence of areas where Barn Swallows nest or forage in large numbers means that protecting specific areas would be ineffective in protecting a large proportion of birds currently present. In addition, because Barn Swallow populations appear to be falling in part due to declining numbers of flying insects, and because numbers of flying insects are expected to continue to fall (McCracken, 2008), retention of specific nest sites and/or foraging areas is not likely to prevent Barn Swallow numbers from falling within the SPA.

6.2.2 Scube Parcels

No areas within the Scube Parcels are recommended for preservation as a means of preserving the provincially threatened Barn Swallow. This conclusion is based on the lack of concentrated foraging and nesting areas for Barn Swallows. The absence of areas where Barn Swallows nest or forage in large numbers means that protecting specific areas would be ineffective in protecting a large proportion of birds currently present. In addition, because Barn Swallow populations appear to be falling in part due to declining numbers of flying insects, and because numbers of flying insects are expected to continue to fall (McCracken, 2008), retention of specific nest sites and/or foraging areas is not likely to prevent Barn Swallow numbers from falling within the Scube Parcels.

6.3 EASTERN MEADOWLARK

6.3.1 Fruitland-Winona SPA

No areas within the SPA are recommended for preservation as a means of preserving the provincially threatened Eastern Meadowlark.

The principal reason for not protecting land for Eastern Meadowlark within the SPA is that the species already appears to be absent. This conclusion is based on the findings of our 2012 surveys which did not detect Eastern Meadowlark within any part of the SPA (**Figure 8**).

A second reason for not protecting land for Eastern Meadowlark populations within the SPA is that habitat within the SPA appears to be unsuitable for Eastern Meadowlarks due to the insufficient size of grasslands present and excessive amounts of shrub and tree cover within grassland areas.

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Succession of fallow land within the SPA from herbaceous-dominated to shrub and tree-dominated communities is widespread and has made the SPA unsuitable for Eastern Meadowlark breeding. This same process of succession is also occurring within marginal farmland across much of Ontario and North America and causing declining populations in these much larger areas (COSSARO 2011b).

6.3.2 Scube Parcels

No areas within the Scube Parcels are recommended for preservation as a means of preserving the provincially threatened Eastern Meadowlark.

The primary reason for not protecting land for Eastern Meadowlark populations within the Scube Parcels is that populations are small. This conclusion is based on our 2012 surveys which found only three individuals during approximately 15 hours of field investigations.

A second reason for not protecting land for Eastern Meadowlark populations within the Scube Parcels is that habitat within the Scube parcels appears to be unsuitable for Eastern Meadowlarks due to insufficient size and excessive woody cover.

The reforestation of fallow land within the Scube Parcels is reducing the suitability of habitat for Eastern Meadowlark. This same process is also occurring within marginal farmland across much of Ontario and North America and causing declining populations in these much larger areas (COSSARO, 2011b).

6.4 BOBOLINK

6.4.1 Fruitland-Winona SPA

No areas within the SPA are recommended for preservation as a means of preserving the provincially threatened Bobolink.

The first reason for not protecting land for Bobolink populations within the SPA is that the Bobolink population is already small and likely declining.

The second reason for not protecting land for Bobolink populations within the SPA is that Bobolink habitat within the SPA is of marginal and decreasing value to Bobolinks due to insufficient area and the high frequency of shrub and sapling growth. Within several years, this growth in the amount of woody vegetation will likely result in the disappearance of Bobolink as a breeding species from the SPA.

The succession of abandoned farmland from herbaceous-dominated to shrub and treedominated communities which is occurring within the SPA is an example of the larger scale succession of abandoned farmland across Ontario and much of North America which is

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considered to be a major factor in the species' decline within Ontario and much of North America (COSSARO 2010).

6.4.2 Scube Parcels

No areas within the Scube Parcels are recommended for preservation as a means of preserving the provincially threatened Bobolink.

The first reason for not protecting land for Bobolink populations within the Scube Parcels is that a breeding population within these parcels already appears to be absent. This conclusion is based on the findings of our 2012 surveys.

The second reason for not protecting land for Bobolink populations within the Scube Parcels is that habitat within the Scube parcels already appears to be unsuitable for Bobolinks due to the insufficient size of habitats and the high and increasing frequency of shrub and tree cover.

6.5 COMMON SPECIES

6.5.1 Fruitland-Winona SPA

Forty-four (44) species of birds were encountered within the SPA and these included four (4) Species at Risk (Chimney Swift, Barn Swallow, Common Nighthawk and Bobolink) (**Table 1**, Appendix B). Most species encountered likely breed within the SPA and are common, widespread species within Ontario (S5), are uncommon but not rare within Ontario (S4) or are non-native species to Ontario (SNA). The majority of species are widespread because they commonly nest and forage in small and fragmented areas of suitable habitat such as occurs within the studied areas.

No portions of the SPA are recommended for preservation to protect common bird species found within them. This is because most common species present have stable numbers, are widespread within Ontario and adaptive to human development to the extent that that they will continue to occur in developed areas, using planted trees and shrubs for nesting. Examples of such species include American Robin, Chipping Sparrow and American Goldfinch. Additional common species found within the SPA are declining in the larger Carolinian zone but preservation of habitat for these species within the SPA is not recommended due to the ineffectiveness of habitat protection in a small portion of these species' ranges to reverse declining populations at much larger scales. For example, Field Sparrow, Eastern Kingbird, Northern Rough-winged Swallow and American Woodcock are all declining in the Carolinian zone, but protecting the limited habitat for these species found within the SPA will not effectively reverse population declines throughout the Carolinian zone. Other species which currently occur such as Willow Flycatcher, Savannah Sparrow and Northern Flicker are expected to disappear from the SPA as a result of development, but their expected disappearance is not considered sufficient cause to preserve the area as they are widespread within Ontario and not considered

REPORT ON FOUR AVIAN SPECIES AT RISK AND OTHER BREEDING BIRD SPECIES WITHIN FRUITLAND-WINONA SECONDARY PLAN AREA, SCUBE CENTRAL, SCUBE EAST 'A' AND SCUBE EAST 'B' PARCELS

Discussion November 28, 2012

to be of conservation concern. Area-sensitive species of forest, grassland and wetland are often of conservation concern in areas with extensive development such as occurs within the SPA and Scube Parcels because suitable large areas of forest, grassland and wetland are infrequent in such areas. Within the SPA, 3 of 44 species found (Bobolink, Cooper's Hawk and White-breasted Nuthatch) are considered to be area-sensitive species. Based on the fragmented nature of habitat within the SPA, it cannot be considered important habitat for area-sensitive species.

6.5.2 Scube Parcels

Forty-five (45) species of birds were encountered within the Scube Parcels including three (3) Species at Risk (Barn Swallow, Bobolink and Eastern Meadowlark) (**Table 2**, Appendix B). All species encountered likely breed within the Scube Parcels and are common, widespread species within Ontario (S5), are uncommon but not rare within Ontario (S4) or are non-native species to Ontario (SNA). The majority of species are widespread because they commonly nest and forage in small and fragmented areas of suitable habitat such as occurs within the studied areas.

No portions of the Scube Parcels are recommended for preservation to protect common bird species found within them. This is because most species present are common and widespread within Ontario and are adaptive to human development such that many will continue to occur in developed areas, using planted trees and shrubs for nesting. As with the SPA, additional common species found within the Scube Parcels are declining in the larger Carolinian zone but preservation of habitat for these species within the Scube parcels is not recommended due to the ineffectiveness of habitat protection in a small portion of these species' ranges to reverse declining populations at much larger scales. For example, Field Sparrow, Eastern Kingbird, Northern Rough-winged Swallow and American Woodcock are all declining in the Carolinian zone, but protecting habitat for these species within the Scube parcels will not effectively reverse population declines throughout the Carolinian zone. With development, some species are expected to disappear such as Willow Flycatcher, Gray Catbird and Savannah Sparrow however these species are not considered to be of conservation concern. Area-sensitive species of forest, grassland and wetland were limited to 3 of 45 species (Bobolink, Eastern Meadowlark and White-breasted Nuthatch) detected within the Scube Parcels. Based on the fragmented nature of habitat within the Scube Parcels, it cannot be considered important habitat for area-sensitive species.

REPORT ON FOUR AVIAN SPECIES AT RISK AND OTHER BREEDING BIRD SPECIES WITHIN FRUITLAND-WINONA SECONDARY PLAN AREA, SCUBE CENTRAL, SCUBE EAST 'A' AND SCUBE EAST 'B' PARCELS

Discussion November 28, 2012

The following individuals participated in the preparation of this report:

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REPORT ON FOUR AVIAN SPECIES AT RISK AND OTHER BREEDING BIRD SPECIES WITHIN FRUITLAND-WINONA SECONDARY PLAN AREA, SCUBE CENTRAL, SCUBE EAST 'A' AND SCUBE EAST 'B' PARCELS

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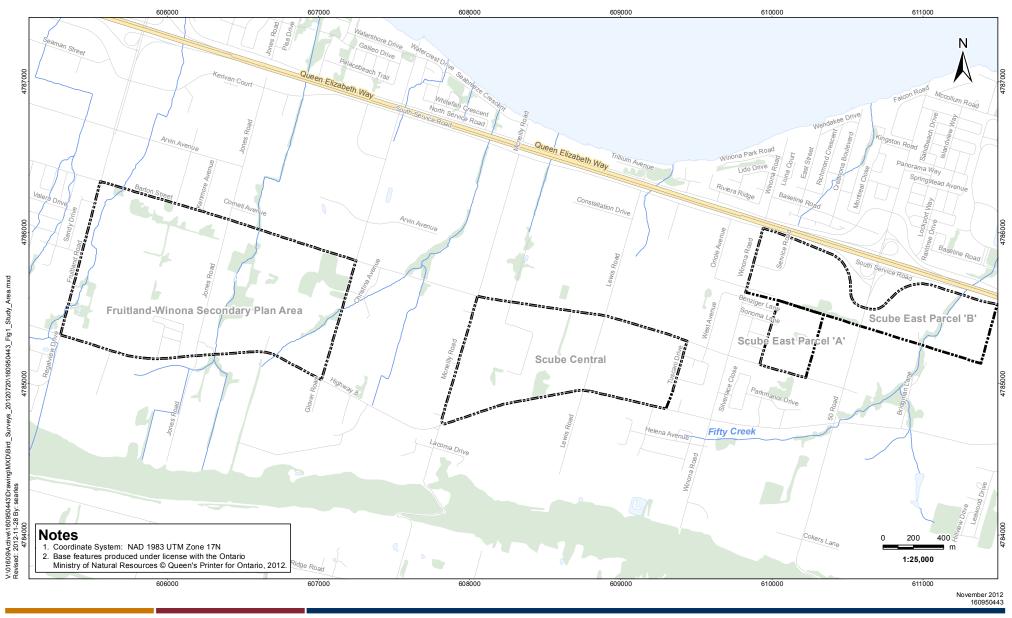
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APPENDIX A: Figures November 28, 2012

Appendix A: Figures





Legend

Study Area Watercourse
Road Waterbody
Highway Woodlot

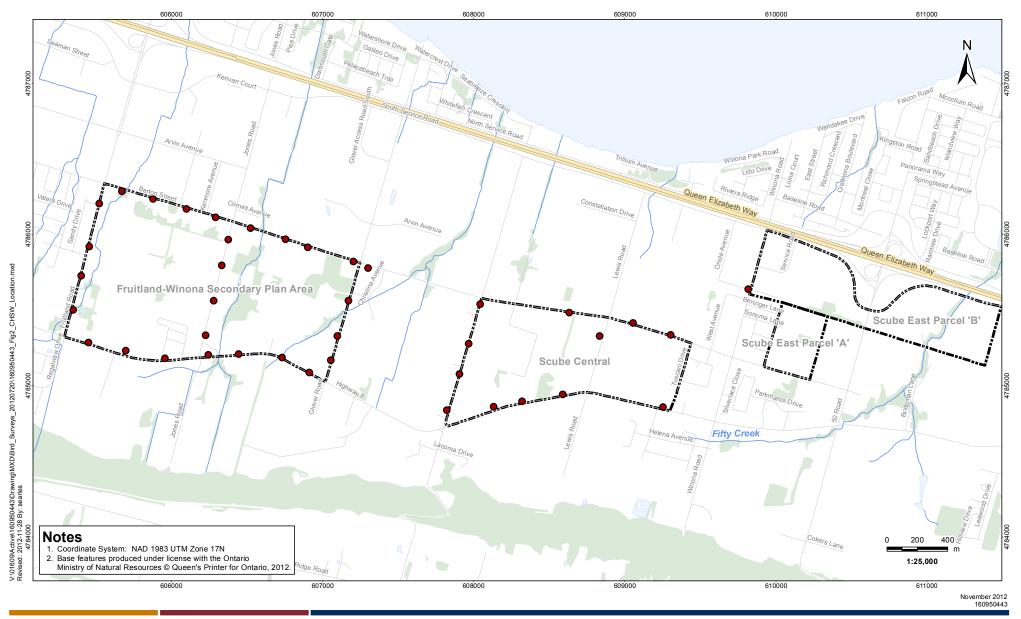
Sarnia Condon Study Area

Client/Project

City of Hamilton SAR Surveys

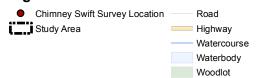
Figure No.
1

Study Area





Legend



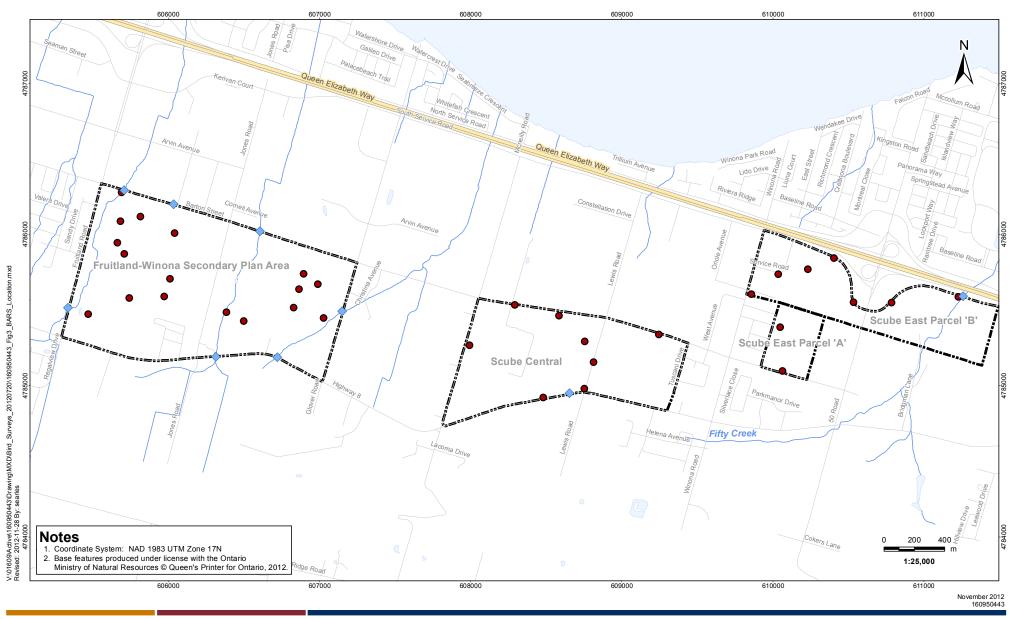
Client/Project

City of Hamilton SAR Surveys

Figure No.

Title

Chimney Swift Survey Location





Barn Swallow Survey Location Road
Barn Swallow Nest Search Location Highway

Study Area Watercourse
Waterbody

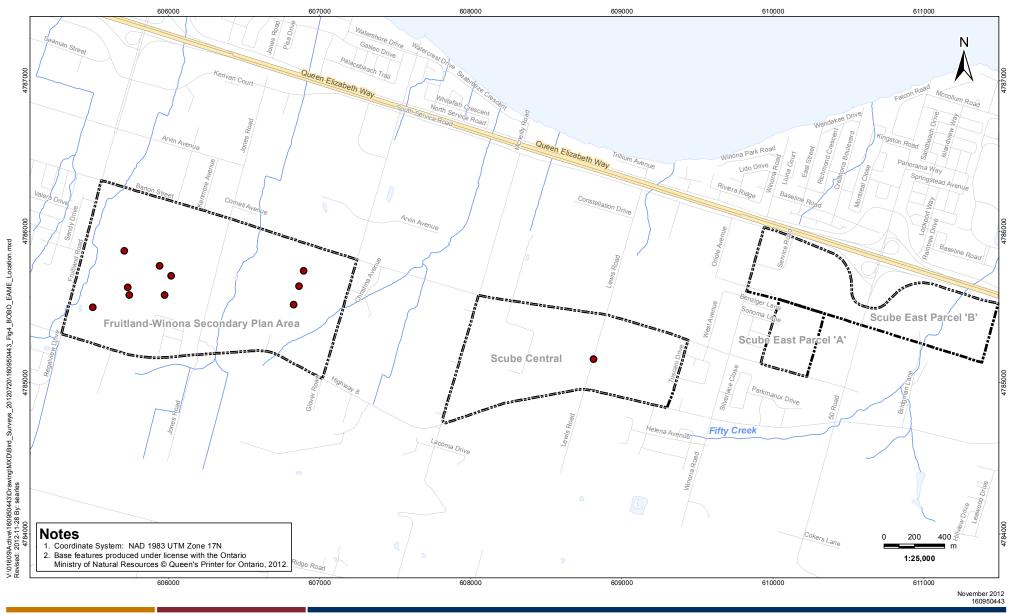
Client/Project

City of Hamilton SAR Surveys

Figure No.

Title

Barn Swallow Survey Location





Bobolink/Eastern Meadowlark Survey Location Road

Highway

Watercourse

Waterbody

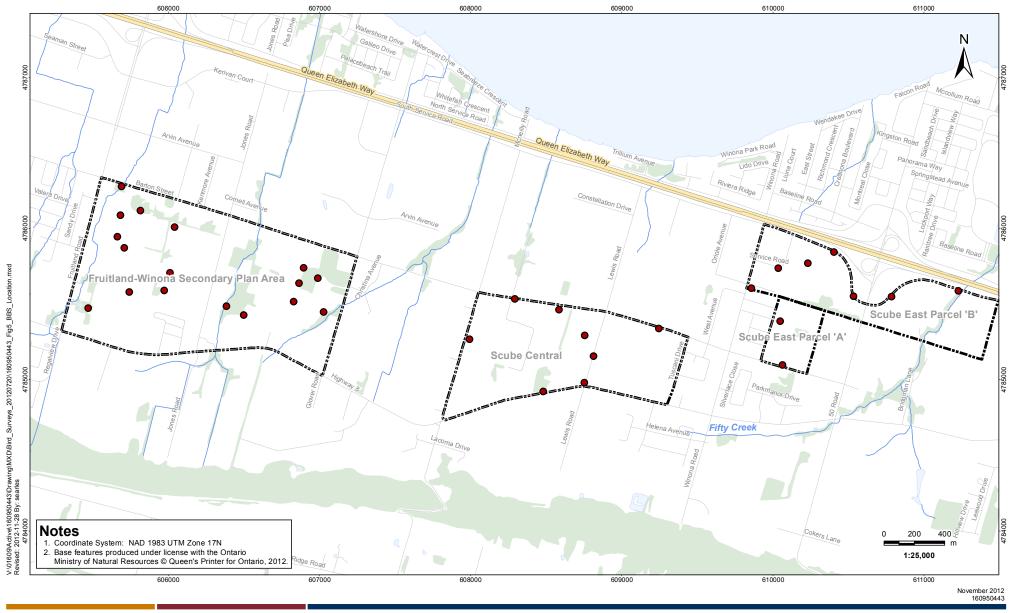
Client/Project

City of Hamilton SAR Surveys

Figure No.

Title

Bobolink & Eastern Meadowlark Survey Location







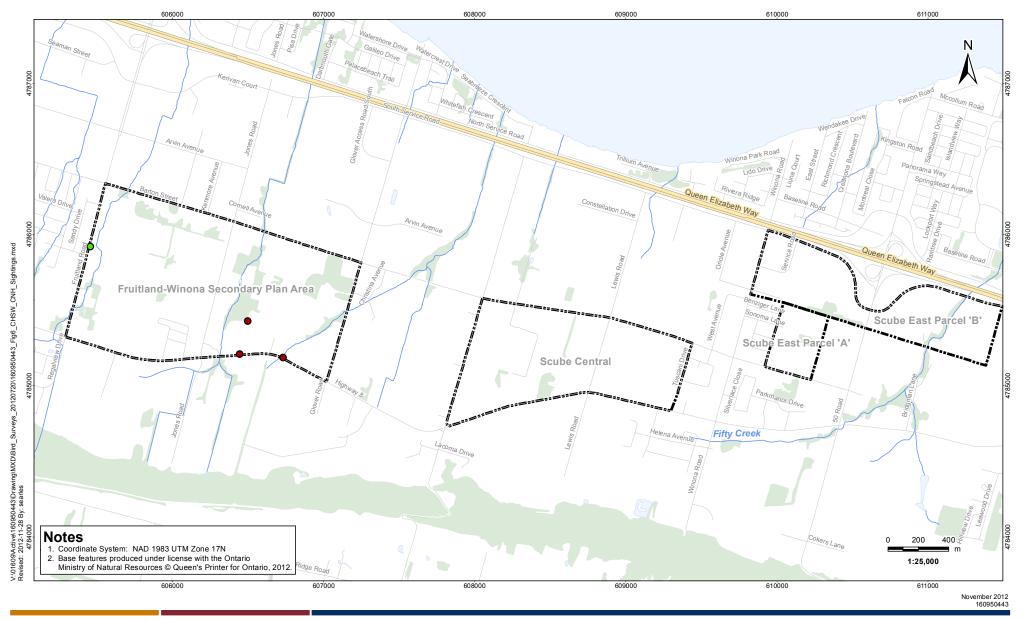
Client/Project

City of Hamilton SAR Surveys

Figure No.

Title

Breeding Bird Survey Locations





O Common Nighthawk Sighting Location

Chimney Swift Sighting Location

Study Area

Highway Watercourse Waterbody Woodlot

Road

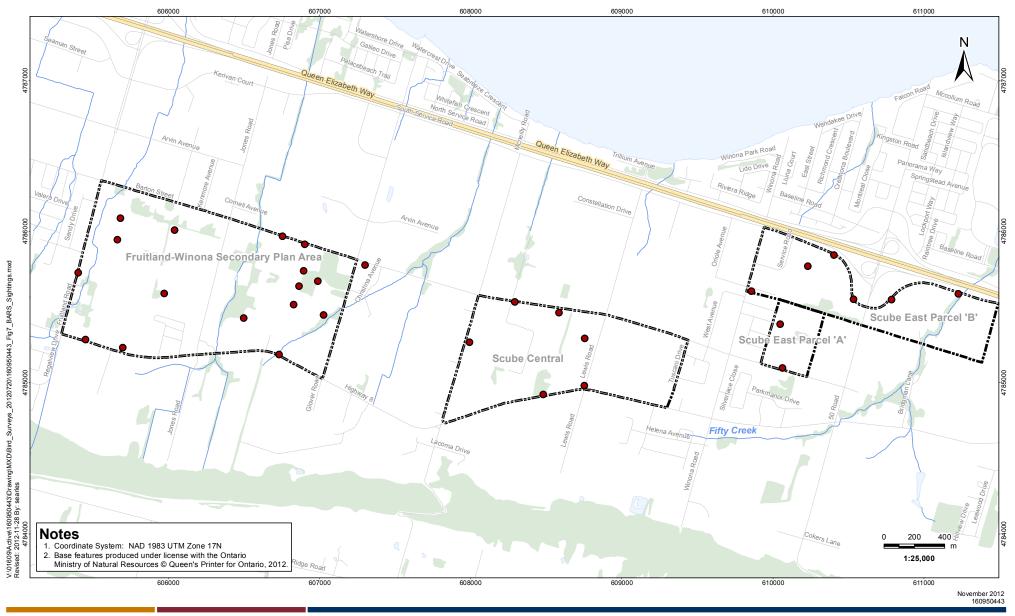
Client/Project

City of Hamilton SAR Surveys

Figure No.

6

Chimney Swift & Common Nighthawk **Sighting Location**







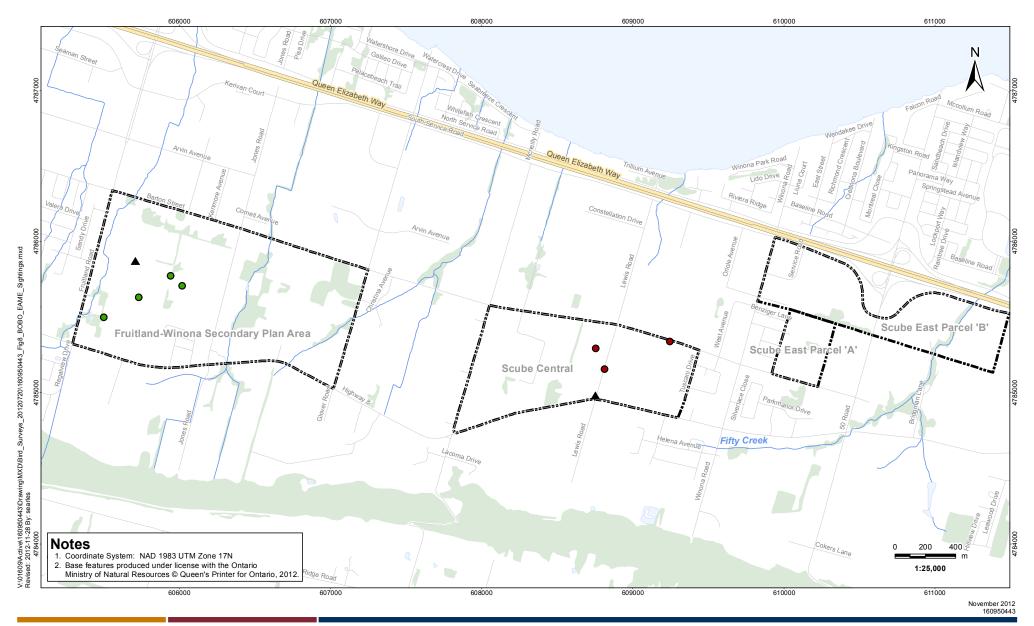
Client/Project

City of Hamilton SAR Surveys

Figure No.

Title

Barn Swallow Sighting Location





Bobolink Sighting Location
 Boblink Non-Breeding Sighting Location
 Eastern Meadowlark Sighting Location
 Watercourse
 Study Area
 Woodlot

Client/Project

City of Hamilton SAR Surveys

Figure No.

Title

Bobolink & Eastern Meadowlark Sighting Location

REPORT ON FOUR AVIAN SPECIES AT RISK AND OTHER BREEDING BIRD SPECIES WITHIN FRUITLAND-WINONA SECONDARY PLAN AREA, SCUBE CENTRAL, SCUBE EAST 'A' AND SCUBE EAST 'B' PARCELS

APPENDIX B: Tables November 28, 2012

Appendix B: Tables

REPORT ON FOUR AVIAN SPECIES AT RISK AND OTHER BREEDING BIRD SPECIES WITHIN FRUITLAND-WINONA SECONDARY PLAN AREA, SCUBE CENTRAL, SCUBE EAST 'A' AND SCUBE EAST 'B' PARCELS

APPENDIX B: Tables November 28, 2012

Table 1: Breeding Bird Species within the Secondary Plan Area

Common Name	Scientific Name	Habitat Preference	Total # of Stations per Species	Ontario Status	COSSARO	COSEWIC	Population Changes Between Atlases ¹	Area Sensitivity (ha)	Local Status Hamilton
American Robin	Turdus migratorius	Isolated trees/Forest	16	S5B			NS		
Song Sparrow	Melospiza melodia	Shrubs	15	S5B			NS		
Northern Cardinal	Cardinalis cardinalis	Shrubs	15	S5			NS		
American Goldfinch	Carduelis tristis	Shrubs	15	S5B			NS		
Brown-headed Cowbird	Molothrus ater	Shrubs	13	S4B			NS		
Barn Swallow	Hirundo rustica	Grassland	10	S4B	THR	THR-NS	NS		
Gray Catbird	Dumetella carolinensis	Shrubs	9	S4B			NS		
Red-winged Blackbird	Agelaius phoeniceus	Grassland	9	S5			NS		
Mourning Dove	Zenaida macroura	Isolated trees/Forest	8	S5			NS		
European Starling	Sturnus vulgaris	Isolated trees/Forest	8	SNA			NS		
Field Sparrow	Spizella pusilla	Grassland/Shrubs	7	S4B			-17		
Common Grackle	Quiscalus quiscula	Isolated trees	7	S5B			NS		
Blue Jay	Cyanocitta cristata	Forest	6	S5			NS		
Cedar Waxwing	Bombycilla cedrorum	Shrubs	6	S5B			NS		
Willow Flycatcher	Empidonax traillii	Shrubs	5	S5B			NS		
Eastern Kingbird	Tyrannus tyrannus	Shrubs	5	S4B			-8		
American Crow	Corvus brachyrhynchos	Isolated trees/Forest	5	S5B			NS		
Tree Swallow	Tachycineta bicolor	Grassland	5	S4B			NS		
Black-capped Chickadee	Poecile atricapillus	Forest	5	S5			+11		
House Wren	Troglodytes aedon	Shrubs	5	S5B			NS		
Yellow Warbler	Setophaga petechia	Shrubs	5	S5B			NS		
Chipping Sparrow	Spizella passerina	Residential	4	S5B			NS		
Savannah Sparrow	Passerculus sandwichensis	Grassland	4	S4B			NS		
Killdeer	Charadrius vociferus	Grassland	3	S5B, S5N			-11		
Red-eyed Vireo	Vireo olivaceus	Forest	3	S5B			NS		
Common Yellowthroat	Geothlypis trichas	Wetland	3	S5B			NS		

REPORT ON FOUR AVIAN SPECIES AT RISK AND OTHER BREEDING BIRD SPECIES WITHIN FRUITLAND-WINONA SECONDARY PLAN AREA, SCUBE CENTRAL, SCUBE EAST 'A' AND SCUBE EAST 'B' PARCELS

APPENDIX B: Tables November 28, 2012

Table 1: Breeding Bird Species within the Secondary Plan Area

Common Name	Scientific Name	Habitat Preference	Total # of Stations per Species	Ontario Status	COSSARO	COSEWIC	Population Changes Between Atlases ¹	Area Sensitivity (ha)	Local Status Hamilton
Northern Rough-winged Swallow	Stelgidopteryx serripennis	Grassland	2	S4B			-11		
Bobolink	Dolichonyx oryzivorus	Grassland	2	S4B	THR	THR-NS	-10	50	
Baltimore Oriole	Icterus galbula	Forest	2	S4B			NS		
House Finch	Carpodacus mexicanus	Residential	2	SNA			>+200		
Cooper's Hawk	Accipiter cooperii	Residential/Forest	1	S4	NAR	NAR	>+200	4-50+	Rare
Red-tailed Hawk	Buteo jamaicensis	Grassland	1	S5	NAR	NAR	NS		
American Kestrel	Falco sparverius	Grassland	1	S5B			-21		Uncommon
American Woodcock	Scolopax minor	Wetland	1	S4B			-29		
Black-billed Cuckoo	Coccyzus erythropthalmus	Shrubs	1	S5B			NS		Uncommon
Common Nighthawk	Chordeiles minor	Residential	1	S4B	SC	THR	-59		Rare
Chimney Swift	Chaetura pelagica	Aerial forager	1	S4B, S4N	THR	THR	-32		Uncommon
Downy Woodpecker	Picoides pubescens	Forest	1	S5			NS		
Northern Flicker	Colaptes auratus	Forest	1	S4B			-7		
Alder Flycatcher	Empidonax alnorum	Shrubs	1	S5B			NS		Uncommon
Warbling Vireo	Vireo gilvus	Forest	1	S5B			NS		
White-breasted Nuthatch	Sitta carolinensis	Forest	1	S5			NS	10	
Brown Thrasher	Toxostoma rufum	Shrubs	1	S4B			-32		Uncommon
Swamp Sparrow	Melospiza georgiana	Wetland	1	S5B			NS		

¹ Proportional changes in species numbers between the 1st (1981-1985) and 2nd (2001-2005) OBBAs (Cadman *et al.*, 2007)

COSSARO: Committee on the Status of Species at Risk in Ontario

COSEWIC: Committee on the Status of Endangered Wildlife in Canada

S4: Apparently Secure—Uncommon but not rare

S5: Secure—Common, widespread, and abundant in the province

SNA: Not applicable—A conservation status rank is not applicable because the species is not a suitable target for conservation activities

END: Endangered THR: Threatened

NS: Not Statistically Significant

REPORT ON FOUR AVIAN SPECIES AT RISK AND OTHER BREEDING BIRD SPECIES WITHIN FRUITLAND-WINONA SECONDARY PLAN AREA, SCUBE CENTRAL, SCUBE EAST 'A' AND SCUBE EAST 'B' PARCELS

APPENDIX B: Tables November 28, 2012

Table 2:	Breeding Bird Species within Scube Central, Scube East Parcel 'A' and Scube	Fast Parcel 'R'
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Common Name	Scientific Name	Habitat Preference	Total # of Stations per Species	Ontario Status	COSSARO	COSEWIC	Population Changes Between Atlases ¹	Area Sensitivity (ha)	Local Status Hamilton
American Robin	Turdus migratorius	Isolated trees/Forest	17	S5B			NS		
Northern Cardinal	Cardinalis cardinalis	Shrubs	17	S5			NS		
Red-winged Blackbird	Agelaius phoeniceus	Grassland	17	S5			NS		
American Goldfinch	Carduelis tristis	Shrubs	17	S5B			NS		
Song Sparrow	Melospiza melodia	Shrubs	15	S5B			NS		
Brown-headed Cowbird	Molothrus ater	Shrubs	15	S4B			NS		
Mourning Dove	Zenaida macroura	Isolated trees/Forest	14	S5			NS		
Barn Swallow	Hirundo rustica	Grassland	14	S4B	THR	THR-NS	NS		
European Starling	Sturnus vulgaris	Isolated trees/Forest	14	SNA			NS		
Common Grackle	Quiscalus quiscula	Isolated trees	12	S5B			NS		
Eastern Kingbird	Tyrannus tyrannus	Shrubs	11	S4B			-8		
Field Sparrow	Spizella pusilla	Grassland/Shrubs	10	S4B			-17		
Savannah Sparrow	Passerculus sandwichensis	Grassland	10	S4B			NS		
Gray Catbird	Dumetella carolinensis	Shrubs	9	S4B			NS		
Cedar Waxwing	Bombycilla cedrorum	Shrubs	9	S5B			NS		
House Sparrow	Passer domesticus	Residential	9	SNA			NS		
Blue Jay	Cyanocitta cristata	Forest	8	S5			NS		
Willow Flycatcher	Empidonax traillii	Shrubs	7	S5B			NS		
House Wren	Troglodytes aedon	Shrubs	7	S5B			NS		
Tree Swallow	Tachycineta bicolor	Grassland	6	S4B			+6		
Black-capped Chickadee	Poecile atricapillus	Forest	6	S5			+11		
Yellow Warbler	Setophaga petechia	Shrubs	6	S5B			NS		
Chipping Sparrow	Spizella passerina	Residential	6	S5B			NS		
Killdeer	Charadrius vociferus	Grassland	5	S5B, S5N			-11		
Northern Flicker	Colaptes auratus	Forest	4	S4B			-7		
Bobolink	Dolichonyx oryzivorus	Grassland	4	S4B	THR	THR-NS	-10	50	

REPORT ON FOUR AVIAN SPECIES AT RISK AND OTHER BREEDING BIRD SPECIES WITHIN FRUITLAND-WINONA SECONDARY PLAN AREA, SCUBE CENTRAL, SCUBE EAST 'A' AND SCUBE EAST 'B' PARCELS

APPENDIX B: Tables November 28, 2012

Table 2: Breeding Bird Species within Scube Central, Scube East Parcel 'A' and Scube East Parcel 'B'

Common Name	Scientific Name	Habitat Preference	Total # of Stations per Species	Ontario Status	COSSARO	COSEWIC	Population Changes Between Atlases ¹	Area Sensitivity (ha)	Local Status Hamilton
Red-tailed Hawk	Buteo jamaicensis	Grassland	3	S5	NAR	NAR	NS		
Warbling Vireo	Vireo gilvus	Forest	3	S5B			NS		
American Crow	Corvus brachyrhynchos	Isolated trees/Forest	3	S5B			NS		
Northern Mockingbird	Mimus polyglottos	Shrubs	3	S4			>+200		Uncommon
Brown Thrasher	Toxostoma rufum	Shrubs	3	S4B			-32		Uncommon
Common Yellowthroat	Geothlypis trichas	Wetland	3	S5B			NS		
Eastern Meadowlark	Sturnella magna	Grassland	3	S4B	THR	THR-NS	-16	10	
Northern Rough-winged Swallow	Stelgidopteryx serripennis	Grassland	2	S4B			-11		
Carolina Wren	Thryothorus Iudovicianus	Shrubs	2	S4			>+200		Rare
Swamp Sparrow	Melospiza georgiana	Wetland	2	S5B			NS		
Baltimore Oriole	Icterus galbula	Forest	2	S4B			NS		
House Finch	Carpodacus mexicanus	Residential	2	SNA			>+200		
American Kestrel	Falco sparverius	Grassland	1	S5B			-21		Uncommon
Downy Woodpecker	Picoides pubescens	Forest	1	S5			NS		
Eastern Phoebe	Sayornis phoebe	Forest	1	S5B			+44		Uncommon
Purple Martin	Progne subis	Aerial forager	1	S4B			-21		Uncommon
White-breasted Nuthatch	Sitta carolinensis	Forest	1	S5			NS	10	
Indigo Bunting	Passerina cyanea	Forest	1	S4B			-14		
Purple Finch	Carpodacus purpureus	Forest	1	S4B			-36		Uncommon

Proportional changes in species numbers between the 1st (1981-1985) and 2nd (2001-2005) OBBAs (Cadman et al., 2007)

COSSARO: Committee on the Status of Species at Risk in Ontario

COSEWIC: Committee on the Status of Endangered Wildlife in Canada

S4: Apparently Secure—Uncommon but not rare

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NS: Not Statistically Significant

REPORT ON FOUR AVIAN SPECIES AT RISK AND OTHER BREEDING BIRD SPECIES WITHIN FRUITLAND-WINONA SECONDARY PLAN AREA, SCUBE CENTRAL, SCUBE EAST 'A' AND SCUBE EAST 'B' PARCELS

APPENDIX C: Data Sheets November 28, 2012

Appendix C: Data Sheets

REPORT ON FOUR AVIAN SPECIES AT RISK AND OTHER BREEDING BIRD SPECIES WITHIN FRUITLAND-WINONA SECONDARY PLAN AREA, SCUBE CENTRAL, SCUBE EAST 'A' AND SCUBE EAST 'B' PARCELS

APPENDIX C: Data Sheets November 28, 2012

Appendix C1: Fruitland-Winona Secondary Plan Area

Chimney Assessment Form May 17, 2012

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Building Details						
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()					
Type of building (please check one):	,					
☐ House ☐ Church	₩ Store			201		
Lowrise Apartment School	☐ Factor	у				
Highrise Apartment Hospital	Other,	please specify	:			
Chimney Details						
Site Name	1 0	himney Code	H-111			
660 Frontland 15	orton	OTE: Chimpo	H-660 y codes are crea		the following	echame:
GPS coordinates (DD.dddd): Lat. 47 86 287 °	N N					
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	E	g. <u>City Nam</u> Port Rov		<u>ame</u> Library	Chimneys 1	Code PR-PL-1
Number of years active (if known):		London	141 W		2	LO-141-1 LO-141-2
Chimney material (please check one):			se draw a picture			on the
☐ Brick ☐ Stucco		anding, molecul	ig the position w			ore taken.
☐ Concrete ☐ Stone						
Other, please specify:				,	1	
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If the chimney is modified (cap, liner, etc.), please appropriate modification:	check the				7	
☐ Cap ☐ Terra Cotta Liner						
☐ Animal Guard ☐ Spark Protector						
Metal Liner Other, please specify:						
	Latver					
Surrounding habitat (please check one):						
Residential Industrial						
Commercial Natural						
Other, please specify:				- 1		
Please select the SHAPE of your chimney and pro	vide the approp	oriate estimated	d measurements		744	
☐ Round → Diameter (cm):						
☐ Square → Width (cm):					urements can	
T Selevines	DA.		brick	s have th	counting bricks e following me	asurements:
Rectangular → Width (cm):	Length	(cm):	20cı	n x 9cm	k 6cm (L x W	K H)

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ne seer	- 100		
- 144× H		a harden	K- (1, 4)
	Flues:	Flues:	Flues: Chimney:

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Ontario Region

Région de l'Ontario



McIlwraith **Naturalists**

Name	Phone Numbe	r	Email Address	S	
Street Address	()	City		Prov.	Postal Code
	PE .	* 15 6		1	
Building Details					
Street Address	28(5-161-4	City	11.	Prov.	Postal Code
Owner Name	Phone Numbe	Mami	Email Addres	<u>()</u> /(<i>)</i> s	a thancese 31 yearth in 1
Type of building (please check one): House	☐ Stor	ory	1000		
Highrise Apartment Hospital		er, please specify:			
Chimney Details	11	01:			
Site Name 692 Borton		Chimney Code	H -	192	2 -1
GPS coordinates (DD.dddd):		NOTE: Chimney	codes are cre	ated using	the following scheme:
Lat. <u>4786235</u>	° N	City I	nitials - Site I	nitials - Cl	nimney Number
Long. (05 88)	°W	Eg. <u>City Nam</u>			No. of Chimneys Code
Number of years active (if known):		Port Row London	141 W		1 PR-PL-1 2 LO-141-1 LO-141-2
Chimney material (please check one):		If possible, pleas building, including	e draw a pictur g the position y	e of the chi	imney location on the oordinates were taken.
Brick Stucco			XE	75	N
Concrete Stone					
Other, please specify:					
			1		
If the chimney is modified (cap, liner, etc.), plea appropriate modification:	se check the		1		THE PARTY OF THE P
☑ Cap ☐ Terra Cotta Liner			4		W. H. LAST, ST. ST.
☐ Animal Guard ☑ Spark Protector	1.00				
Metal Liner Other, please speci	fy:				
		_			
Surrounding habitat (please check one):					
Residential Industrial					the armenian
Commercial Natural					3/2
Other, please specify: In hed for	soadw	7		5	175
Please select the SHAPE of your chimney and	provide the appr	opriate estimated	measurements	s:	***
Round → Diameter (cm):					
Square → Width (cm): 4	0		estir	nated by c	rements can sometimes be ounting bricks. Standard
Rectangular → Width (cm):	Leng	th (cm):			e following measurements: 6cm (L x W x H)

Chimney height above roofline (m):		olour of himney: Brown
Total Chimney Height (m) =	× 3 m +	$2^n = 5^n \text{ m}$
Number of sto building		bove roofline (m)
If swifts are present, are they	: Nesting Roosting	Unknown
Additional Comments:	A571.76517	
	None seen	
	.00.62	
1- 6-30	4	CPD Barbar

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Name	Phone Number		Email Address	
Street Address	1()	City	Prov.	Postal Code
Tela ST		7 (2)		Mydiked
Building Details				
Street Address	(E) ((((((((((((((((((City	Prov.	Postal Code
Owner Name	Phone Number	Ham	Han ON	compatibility of historical
Owner Hame	()	A 2	Linaii Address	
Type of building (please check one):				2 -11 -1
☐ House ☐ Church	☐ Store			
Lowrise Apartment School	☐ Facto	ry		
☐ Highrise Apartment ☐ Hospita	l 🗌 Other	, please specify		
Chimney Details				
Site Name 720 Burfan	Trall of	Chimney Code	H -7	20-1
GPS coordinates (DD.dddd):		NOTE: Chimne	y codes are created using	the following scheme:
Lat. 4786 169	° N	City	Initials - Site Initials - C	chimney Number
Long. 606102	° W	Eg. City Nan	ne Site Name	No. of Chimneys Code
Number of years		Port Rov	van Public Library	1 PR-PL-1
active (if known):		London	141 Wortley	2 LO-141-1 LO-141-2
Chimney material (please check one):			se draw a picture of the cl ng the position where the	
☐ Brick ☐ Stucco			N	
☐ Concrete ☐ Stone				
Other, please specify:		i		
			(
If the chimney is modified (cap, liner, etc.), ple	ase check the			
appropriate modification:			8	valles/set
Cap Terra Cotta Liner				
Animal Guard Spark Protector	6.01			Marie Total Control
Metal Liner	cify:			
	The state of the s	P.		
Surrounding habitat (please check one):	W part in			
Residential Industrial				
Commercial Natural				
Other, please specify:	3/-15 mit	X		
Please select the SHAPE of your chimney and	provide the appro	priate estimated	d measurements:	
☐ Round → Diameter (cm):				
Square → Width (cm):	b			urements can sometimes be
Square 7 Width (Chi).				counting bricks. Standard e following measurements:
Postongular -> \Midth (om);	Longit	h (om):		x 6cm (L x W x H)

<u> </u>			V 500	am N
2	× 3 m	+	=	= 7 m
			ht above roofline (m)	duces of summers
they:	Nesting	Roosti	ing 🔲 Unknow	n and a second
None	seen		A STREET	S.V
- 11			lander	
	of stories in illding they:	of stories in iliding of one stories they: Nesting None Seen	of stories in (approx height dilding of one story) they: Nesting Roosti None SEEA	of stories in (approx height of one story) they: Nesting Roosting Unknow Nove SEEA

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Observer Details		Page 1		7		
Name	Phone Number	r	Email Addres	S		W-Ryles
D. Graham	()		(20)			
Street Address		City		Prov.	Postal Code	
Building Details		The result			690	
Street Address 748 Barton		City	m. Han	Prov.	Postal Code	
Owner Name	Phone Number	r II bis	Email Addres	is		1
Type of building (please check one):						
House Church	☐ Store	e				
Lowrise Apartment School	☐ Facto	ory				
Highrise Apartment Hospital		er, please specify:				
Chimney Details						
Site Name		Chimney Code	. 1			
Site Name 748 Barton			Н	- 74	8 - 1	
GPS coordinates (DD.dddd):		NOTE: Chimney	y codes are cre	ated using	the following s	cheme:
Lat	° N	City I	Initials - Site I	nitials - C	himney Numb	er
Long. 297	°W	Eg. City Nam	ne Site N	lame	No. of Chimneys	Code
Number of years active (if known):		Port Row London	van Public	Library Vortley	1 2	PR-PL-1 LO-141-1 LO-141-2
Chimney material (please check one):		If possible, pleas building, includin				on the
Brick Stucco		bananig, moraani	g the position (X	N COOTUINATES WEI	c taken.
☐ Concrete ☐ Stone						
Other, please specify:						1
If the chimney is modified (cap, liner, etc.), plea	se check the					
appropriate modification:	ioo onook aro					
☐ Cap ☑ Terra Cotta Liner		}				
☐ Animal Guard ☑ Spark Protector		_		1		
☐ Metal Liner ☐ Other, please spec	ify:			1	Y.	
·						
Syrrounding habitat (please check one):						
Residential Industrial						
Commercial Natural						
Other, please specify:						
Please select the SHAPE of your chimney and	provide the appro	opriate estimated	measurement	s:		
Round → Diameter (cm):						
Square → Width (cm):					urements can secounting bricks.	
			bric	ks have the	e following mea	surements:
Rectangular → Width (cm):	20 Lengt	th (cm):	17 200	III A SCIII A	COCIII (IL X VA X	n)

Rectangular

→ Width (cm):

60

Length (cm):

Chimney height above roofline (m):	Number of Flues:			olour of himney:	bows	march d
Total Chimney = Height (m)	Imber of stories in	(approx height		bove roofline (m)	=	<u>7</u> m
If swifts are present,	building are they:	of one story)	Roosting	Unk	nown	ON THE PERSON
Additional Comments:		e seen				
1 A	British -	Je J		e gjeson	9 Pr	To the second

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McIlwraith Naturalists

Observer Details			1		
Name D. Goodson	Phone Number		Email Addres	SS	
Street Address		City		Prov.	Postal Code
Building Details					Salar
Street Address		City		Prov.	Postal Code
Owner Name	Phone Number	Han	1 Hon	ON	and a second business
Owner Name	()		Email Addres	S	
Type of building (please check one):			- 120	V = =	
☐ House ☐ Church	☐ Store	592 5	- 1000	1	
☐ Lowrise Apartment ☐ School	Facto	ry			
☐ Highrise Apartment ☐ Hospital	Other	, please specify			
Chimney Details					
Site Name 789 Barton		Chimney Code	H-	789	-)
GPS coordinates (DD.dddd):		NOTE: Chimne	y codes are cre	ated using	the following scheme:
Lat. 4786 043536	° N	City	Initials - Site I	nitials - C	himney Number
Long. 60 6 527	₹°W	g. City Nan	ne Site N	lame	No. of Chimneys Code
Number of years active (if known):		Port Roy London	van Public	Library Vortley	1 PR-PL-1 2 LO-141-1 LO-141-2
Chimney material (please check one):					nimney location on the coordinates were taken.
Brick Stucco		,g,	X		N-
☐ Concrete ☐ Stone					••
Other, please specify:	ľ				
		1			
If the chimney is modified (cap, liner, etc.), plea	ase check the				
appropriate modification:		[7]			aren e
☐ Cap ☐ Terra Cotta Liner		7	.		
Animal Guard Spark Protector					7
☐ Metal Liner ☐ Other, please spec	cify:				
		-			7
Surrounding habitat (please check one):					
Residential Industrial					
☐ Commercial ☐ Natural					
Other, please specify:	-				
Please select the SHAPE of your chimney and	provide the appro	priate estimated	f measurement	s:	
☐ Round → Diameter (cm):					
	โก		NO.	TE: Measi	urements can sometimes be
Square → Width (cm):	IV.		esti	mated by o	counting bricks. Standard e following measurements:
☐ Rectangular → Width (cm):	Length	n (cm):			(6cm (L x W x H)



Chimney height above roofline (m):	Number of Flues:		Color		Bro	wn	
Total Chimney Height (m) =		3 m + pprox height fone story)	Height abov	3 e roofline (m)		6	m
If swifts are present, a	are they:	ing 🗌 F	Roosting	Unkr	nown		
Additional Comments:		War.	- 11 - 14 -	- 1 T	m.E.I	185	IN ÇEL
	None	scen					
,	- 1181-H				uð)	755	NE III

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Mcllwraith **Naturalists**

Name_	Phone Number		Email Addres	•	
D Grahan	()		_man / aares	2	
Street Address	5 / =	City	15 , 31==	Prov.	Postal Code
Building Details	Me Inc.		1100		N. GAL
Street Address	logijekništi iz	City	NI VI K I	Prov.	Postal Code
822 Barton		Ham	Iton	ON	. I (Rider) tige in the
Owner Name	Phone Number (Email Addres	S	
Type of building (please check one):	of Laws	1970	al less		
House Church	☐ Store	bear	7, 1,	.76	20 may 10
☐ Lowrise Apartment ☐ School	☐ Factory		1 1		- F. A.
Highrise Apartment Hospital	Other, p	lease specify	1000	15-60	Share-Lad
Chimney Details					-
Site Name 822 Bartan	Ch	imney Code	Н	1-8	22-1
GPS coordinates (DD.dddd):	NC NC	TE: Chimne	v codes are cre		the following scheme:
Lat. 478.5968	° N				himney Number
Long. 606758	°W _				No. of
	Eg	 City Name Port Row 		ame Library	Chimneys Code 1 PR-PL-1
Number of years active (if known):		London	141 W	ortiey/	2 LO-141-1 LO-141-2
Chimney material (please check one):					imney location on the coordinates were taken.
Brick Stucco					
☐ Concrete ☐ Stone					
Other, please specify:					
If the chimney is modified (cap, liner, etc.), pleas	e check the				
appropriate modification:					1-15
			1		
Animal Guard Spark Protector			4		
☐ Metal Liner ☐ Other, please specific	y:			H	
Surrounding habitat (please check one):					
☑ Residential ☐ Industrial					
☐ Commercial ☐ Natural					
Other, please specify:					
Please select the SHAPE of your chimney and p	rovide the appropr	iate estimated	I measurement	s:	
Round → Diameter (cm):					
Square → Width (cm): 4	1140		esti	mated by o	urements can sometimes be counting bricks. Standard e following measurements:
Pectangular -> Width (cm):	Length (cm/·			6cm (L x W x H)



Chimney height above roofline (m):	Number of Flues:	1	Colour of Chimney:	Brown	an d
Total Chimney Height (m) Number of build	/		05 eight above roofline	= (m)	65 m
If swifts are present, are th	ey: 🗌 Nesting	g 🔲 Roo	sting 🗌 U	nknown	
However s	eveal Bar a out of w which s	n Swa	llows arage, nesting.	Served	
1-668	- 4		, 15k	1. Par	1

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Mcliwraith **Naturalists**

Nome Disease Number		Empil Address	
Phone Numb	jei	Email Address	
Street Address	City	Prov.	Postal Code
760		14.34	
Building Details			
Street Address, DI	City	Prov.	Postal Code
844 Barton	Han	Iton on	areamured uncounty
Owner Name Phone Numb	ber	Email Address	
Type of building (please check one):			
House Church Ste	ore T	The lead of	
Lownise Apartment School	ctory	4 4 4	1. 1
☐ Highrise Apartment ☐ Hospital ☐ Ot	her, please specify:	The second secon	
	The state of the s	0 0 1	
Chimney Details			
Site Name 844 Bacton	Chimney Code	H -8	44-1
GPS coordinates (DD.dddd):	NOTE: Chimney	y codes are created usin	g the following scheme:
Lat. 4785915 °N	City I	nitials - Site Initials - 0	Chimney Number
Long. 606904 °W	Eg. City Nam	ne Site Name	No. of Chimneys Code
Number of years active (if known):	Port Row London		1 PR-PL-1 2 LO-141-1
Chimney material (please check one):	If possible, pleas	se draw a picture of the o	LO-141-2 himney location on the
Brick Stucco	building, includin	g the position where the	coordinates were taken.
Concrete Stone	K - 1 - 1		
Other, please specify:			
Unier, piease specify.			
	-		
If the chimney is modified (cap, liner, etc.), please check the appropriate modification:			W. Salver
Cap Terra Cotta Liner			
Animal Guard Spark Protector			
Metal Liner Other, please specify:			
Surrounding habitat (please check one):			
Residential Industrial			Little que non sept
Commercial Natural	THE THE		
Other, please specify: fucal residentia	1		
Please select the SHAPE of your chimney and provide the ap	propriate estimated	I measurements:	- 1/4
Round → Diameter (cm):			
☐ Square → Width (cm):			surements can sometimes be
Proposition 1		bricks have t	counting bricks. Standard he following measurements:
Rectangular → Width (cm): 40 Ler	nath (cm): S	20cm x 9cm	x 6cm (L x W x H)

Chimney height above roofline (m):	Number of Flues:	2	Colour of Chimney:	Black	Rand
Total Chimney = 2	×	3 m +	1	= 1	7 m
Number of build		(approx height of one story)	Height above roof	ine (m)	one of the latest the
If swifts are present, are the	ey: 🗌 Nes	sting 🗌	Roosting	Unknown	11/1-24 (11)
Additional Comments:		seen. 2 Bo	m Swalls	exists	- Armini
1-448	- 14		,40	hal D	LIS EM SO

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McIlwraith **Naturalists**

Name D. Graham Phone Numb	er	Email Address	E Printerior
Street Address	City	Prov.	Postal Code
Basina	117 10	00)	T Gottal Gode
Building Details	Proper services		
Street Address	City	Prov.	Postal Code
Barton	Han	Itan ON	We have the serious
Owner Name Phone Numb	er	Email Address	
Type of building (please check one):		<u> </u>	
✓ House ☐ Church ☐ Sto			
Lowrise Apartment School Fa	ctory		
Highrise Apartment Hospital Ott	her, please specify		
Chimney Details			
Site Name 884 Barton	Chimney Code	H-884 -	-1
GPS coordinates (DD.dddd):	NOTE: Chimne	y codes are created using	the following scheme:
Lat. 4785 821 °N	City	Initials - Site Initials - C	himney Number
Long. (.07206 °W			No. of
	Eg. <u>City Nam</u> Port Rov		Chimneys Code 1 PR-PL-1
Number of years active (if known):	London	141 Wortley	2 LO-141-1 LO-141-2
Chimney material (please check one):	If possible, pleas	se draw a picture of the ch	imney location on the
Brick Stucco	building, includin	g the position where the	coordinates were taken.
☐ Concrete ☐ Stone		XIO	
Other, please specify:			
If the chimney's modified (cap, liner, etc.), please check the			
appropriate modification:	u Tille		ngilish By
Cap/ Terra Cotta Liner		1 4	
Animal Guard Spark Protector		1	Ā
Metal Liner	× 14	4	
Surrounding habitat (please check one):	1		
_ 5			of the continuous states of
Residential			
Commercial Natural			ALC: TO SERVICE STREET
Other, please specify:			
Please select the SHAPE of your chimney and provide the app	propriate estimated	measurements:	
Round → Diameter (cm):			
Square > Width (cm): 40 x40			urements can sometimes be counting bricks. Standard
Viscovilos!		bricks have the	e following measurements:
Rectangular → Width (cm): Ler	ngth (cm):	20cm x 9cm x	(6cm (L x W x H)



Chimney height above roofline (m):	3	Number of Flues:	1	a langt	Colour of Chimney:	Brown) .d
Total Chimney =	(10	×	3 m	+	3	-d	6 m
	Number of sto building		(approx heigh of one story)		ht above rooflin	e (m)	
If swifts are prese	ent, are they:	□ Ne	sting	☐ Roosti	ng 🗆 l	Jnknown	
Additional Comments	: tro	e.th.	None	see		taod	- 100100000
	\ !	88-1			(15) Ay	4 1-82	
- DESIGNATION	07	S - 11, 116.					and the same of the

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McIlwraith Field **Naturalists**

Name D Grahan	Phone Number		Email Addres	S		
Street Address	50/	City		Prov.	Postal Code	THE RESERVE OF THE PARTY OF THE
				Ne		N 100 LV
Building Details						
Street Address	A PROPERTY.	City	11	Prov.	Postal Code	
Owner Name	Phone Number	Man	Email Addres		HIII GWE	
Type of building (please check one):	()	- 2:				
House Church	Store					
Lowrise Apartment School	☐ Store		Tree	the track	175353	
Highrise Apartment Hospital		, please specify:	r	1.15	NUMBER OF STREET	, with
		, piedeo opeony.				
Chimney Details						
Site Name		Chimney Code	Н -	_		
GPS coordinates (DD.dddd):	- 1	NOTE: Chimney	codes are cre	ated using	the following s	cheme:
Lat. 4785717	° N	City I	nitials - Site I	nitials - C	himney Numb	oer
Long. 607304	° W	Eg. <u>City Nam</u>	<u>e Site N</u>	ame	<u>No. of</u> Chimneys	<u>Code</u>
Number of years active (if known):		Port Row London	an Public	Library /ortley	1 2	PR-PL-1 LO-141-1 LO-141-2
Chimney material (please check one):	i i	f possible, pleas ouilding, includin	e draw a pictur	e of the ch	imney location	on the
☑ Brick ☐ Stucco			g and poolaiding			o tanoni
☐ Concrete ☐ Stone	ŀ					
Other, please specify:						
If the chimney is modified (cap, liner, etc.), pleas appropriate modification:	se check the					
☐ Cap ☐ Terra Cotta Liner						
Animal Guard Spark Protector						
☐ Metal Liner ☐ Other, please specif	y:					
	164-76					
Surrounding habitat (please check one):						
Residential Industrial						
Commercial Natural						
Other, please specify:	- 11-11 11-11					
Please select the SHAPE of your chimney and p	rovide the appro	priate estimated	measurement	s:		
☐ Round → Diameter (cm):						
Square → Width (cm):			esti	mated by d	urements can s counting bricks.	Standard
Rectangular → Width (cm):	Lengti	h (cm):			e following mea x 6cm (L x W x	

Chimney height above roofline (m):	Number of Flues:		Colour of Chimney:	Tan.) (] ====
Total Chimney Height (m) = 2 Number of st	× 3 m	+	2 ht above roofline (=	8_ m
building	(nt above roomine (Ustara musajaj
If swifts are present, are they	: Nesting	☐ Roosti	ng 🗌 Un	known	an Silve send
Additional Comments:	None	see		Engant L	981 H no
onder caves.	low resting on 2nd BASW	cest s	ide of c	Lurch	- AL I
					and an also
	- N			-1	

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Street Address Owner Name Phone Number Email Address Type of building (please check one): House Church Store Lowrise Apartment Hospital Other, please specify:	Name	P	hone Numbe	er	Email Address	5	
Street Address Owner Name Owner N	Street Address	an I	,	City		Prov.	Postal Code
Street Address	TOU CAN S	166				27.5	
Owner Name Phone Number Church Store Church Store Lowrise Apartment School Factory Highrise Apartment Hospital Other, please specify: Chimney Details Church Store Church Store Church Store Chimney Code Church Store Chimney Code Chimney Number Chimney Code Chimney Code	Building Details						
Owner Name Phone Number Email Address	Street Address	1			11		Postal Code
House	Owner Name	loves	hone Numb	er Man	Email Address		ent embrusium
House		()	0 9043 B	13		2500 BB200 2500 2500 2500 2500 2500 2500
Lowrise Apartment							
Chimney Details Site Name Coordinates (DD dddd): Lat. 4785563°N Long. 607173°W Number of years active (f known): Chimney material (please check one): Brick Stucco Other, please specify: If the chimney is modified (cap, liner, etc.), please check the appropriate modification: Cap Ferra Cotta Liner Animal Guard Spark Protector Metal Liner Other, please specify: Surrounding habitat (please check one): Residential Industrial Commercial Natural Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): 40 NOTE: Chimney Code H - 26 - I H - 26 -		L Church	∐ Sto	re			
Chimney Details Site Name Colours GPS coordinates (DD.dddd): Lat. 478 55 63 ° N Long. 607173 ° W Number of years active (if known): Chimney material (please check one): Bick Stucco Concrete Stone Other, please specify: Grap Graph abitat (please check one): Residential Industrial Commercial Natural Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): 40 Chimney Code H - 26 - 1 City Initials - Site Initials - Chimney Number Code Chimney Number Code Port Rowan Public Library PR-Pt-1 LO-141-2 If possible, please draw a picture of the chimney location on the building, including the position where the coordinates were taken.							
Site Name Chimney Code Chimney Number of years active (if known):	Highrise Apartment	☐ Hospital	∐ Oth	er, please specify	r:		
GPS coordinates (DD. dddd): Lat. 4185563 °N Long. 607173 °W Number of years active (ff known): Chimney material (please check one): Brick Stone Other, please specify: Gray Perse Cotta Liner Animal Guard Spark Protector Metal Liner Other, please specify: Surrounding habitat (please check one): Residential Industrial Cother, please specify: Surrounding habitat (please check one): Residential Industrial Cother, please specify: NOTE: Chimney codes are created using the following scheme: City Initials - Site Initials - Chimney Number Reg. City Name Port Rowan Public Library 1 PR-PL-1 LO-141-12 LO	Chimney Details						
SPS coordinates (DD dddd): Lat. 478 55 63 ° N Long	Site Name			Chimney Code	<u> </u>	- 26-	1 <u>1</u> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Lat. 4 18 5 5 6 3 N Long. 6 7 1773 ° W Lat. 4 18 5 5 6 3 N Long. 6 7 1773 ° W Eg. City Name Public Library 1 1 PR-PL-1 London 141 Wortley 2 Lo-141-1 Lo-141-1 Chimney material (please check one): Brick Stucco Concrete Stone Other, please specify: If the chimney is modified (cap, liner, etc.), please check the appropriate modification: Cap Ferra Cotta Liner Animal Guard Spark Protector Metal Liner Other, please specify: Surrounding habitat (please check one): Residential Industrial Commercial Natural Other, please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): 40 NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements:	CDC coordinates (DD			NOTE: Chimne			the following scheme:
Long	11/14	5563	N.				
Number of years active (if known): Port Roman Public Library 1 PR-PL-1 LO-141-1 LO-141	The state of the s	7173 .	w				No. of
active (if known): Chimney material (please check one): Brick Stucco Concrete Stone Other, please specify: If the chimney is modified (cap, liner, etc.), please check the appropriate modification: Cap Ferra Cotta Liner Animal Guard Spark Protector Metal Liner Other, please specify: Surroynding habitat (please check one): Residential Industrial Commercial Natural Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): 40 NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements:				Port Rov	van Public	Library	1 PR-PL-1
building, including the position where the coordinates were taken. Brick			*:			•	LO-141-2
Concrete	Chimney material (please che	eck one):					
Other, please specify:	Brick	Stucco					
If the chimney is modified (cap, liner, etc.), please check the appropriate modification: Cap	Concrete	Stone	1		1		
appropriate modification: Cap	Other, please specify:						
appropriate modification: Cap							
Cap		p, liner, etc.), please	check the				D
Animal Guard		iorra Catta Linas	100				All three con
Metal Liner			-			1033	
Surrounding habitat (please check one): Residential					X		+
Residential Industrial Commercial Natural Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: 20cm x 9cm x 9cm x 6cm (L x W x H)	wietai Liner C	orier, please specify:	in the				
Commercial Natural Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round → Diameter (cm): Square → Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: 20cm x 9cm x 6cm (L x W x H)	Surrounding habitat (please of	:heck one):					
Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round	Residential	Industrial					mile i firemen dech
Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: 20cm x 9cm x 6cm (L x W x H)	Commercial	Natural				1	N
Round Diameter (cm): Square Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: 20cm x 9cm x 6cm (L x W x H)	Other, please specify:		100 1007			4	
Square Width (cm): Works have the following measurements: 20cm x 9cm x 6cm (L x W x H)	Please select the SHAPE of y	our chimney and pro	vide the app	propriate estimate	d measurements	s:	
estimated by counting bricks. Standard bricks have the following measurements:	☐ Round → D	iameter (cm):					
20cm x 9cm x 6cm (L x W x H)	Square → V	vidth (cm): 40)		estir	nated by	counting bricks. Standard
	☐ Rectangular → V	vidth (cm):	Len	gth (cm):	20ci	m x 9cm	e rollowing measurements: x 6cm (L x W x H)

Chimney height above roofline (m):	Number of Flues:		Colour of Chimney:	rown
Total Chimney Height (m) =	5 × 3 r	n +	2	= 6.5 m
	of stories in (approx ilding of one s		t above roofline (m)	ACRESO CONTO
If swifts are present, are t	hey: Nesting	☐ Roostin	ng 🔲 Unkn	own
Additional Comments:	W Land with		7.34.5	
	None	seen		
1 = 8	A-4		7,349	D DEWN

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Name D C - L	Phone Numbe		Email Address	5		E IIII
Street Address		City		Prov.	Postal Code	
Le 5.4 C.	1	* I M L				
Building Details						
Street Address	A STATE OF THE PARTY OF THE PAR	City	11	Prov.	Postal Code	
Owner Name	Phone Numbe	<u>Πα</u> ,	Email Addres	s		
	()	10C - 3C	0.84			
Type of building (please check one):	LDE_U					
House L Church	☐ Stor					
Lowrise Apartment School	☐ Fact		M			
Highrise Apartment Hospital	☐ Othe	er, please specify	1: <u>F</u> p	2		= = 1
Chimney Details						
Site Name 259 Gloves		Chimney Code	Н-	239	-1	L H
GPS coordinates (DD.dddd):		NOTE: Chimne	y codes are cre	ated using	the following scheme:	
Lat. <u>4785327</u>	_° N	City	Initials - Site I	nitials - C	himney Number	
Long. 607 101	_ ° W	Eg. City Nar			No. of Chimneys Code	
Number of years active (if known):		Port Roy London		Library ortley	1 PR-PL- 2 LO-141 LO-141	-1
Chimney material (please check one):		If possible, plea	se draw a pictur	e of the ch	imney location on the coordinates were taken.	
Brick Stucco		,	ng and position to		socialitates were randin	
☐ Concrete ☐ Stone						
Other, please specify:					1	
				-1		
If the chimney is modified (cap, liner, etc.), plea	ase check the			. \		
appropriate modification:	No. and			X	- 1986	i de la
☐ Cap				v pod	1 +	
☐ Animal Guard ☐ Spark Protector	State .		111 72 1		Shee	
Metal Liner Other, please spec	cify:				To	
Surrounding habitat (please check one):					1	
Residential Industrial						
Commercial Natural						
Other, please specify:						
Please select the SHAPE of your chimney and	provide the appr	opriate estimate	d measurements	s:		
☐ Round → Diameter (cm):						
☐ Square → Width (cm):			estir	nated by o	urements can sometimes counting bricks. Standar	rd
Rectangular → Width (cm):	√ Leng	th (cm):	brick	s have the	e following measuremen c 6cm (L x W x H)	nts:

Chimney height above roofline (m):	Number of Flues:	Co Ch	lour of imney:	
Total Chimney Height (m)	× 3 m	+	1.5 =	45 m
Number of sto building	` ' ' '		ove roofline (m)	ng Liki da
If swifts are present, are they	: Nesting	Roosting	☐ Unknown	
Additional Comments:	None	Seen		
-				
1-120	· H		5002(0)	136
			and the Asset Control	

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Name A	Phone Number		Email Address	20		
D. Graham ()		Email Address				
Street Address	1 111	City		Prov.	Postal Code	
Building Details						
Street Address Gloves		City	1/.	Prov.	Postal Code	
Owner Name	Phone Number	Han	Email Address	010		
Type of building (please check one):	1 00	÷	Kingdom	40.00	A med at to	
☐ House ☐ Chu	rch 🔲 Store	i. Sydi	indea w		of Jehovah Witnesses	
☐ Lowrise Apartment ☐ Sch	ool Facto	ory			00 messes	
☐ Highrise Apartment ☐ Hos	pital	r, please specif	y:			
Chimney Details						
Site Name Gloves		Chimney Code	H-		- 0	
GPS coordinates (DD.dddd):		NOTE: Chimne	ey codes are crea	ted using	the following scheme:	
Lat. 4785169	° N	City	Initials - Site In	itials - C	Chimney Number	
Long. 607057	° W	No. of Eg. <u>City Name</u> <u>Site Name</u> <u>Chimneys</u> <u>Code</u>				
Number of years active (if known):		Port Ro London	141 Wo	ortley	1 PR-PL-1 2 LO-141-1 LO-141-2	
Chimney material (please check one):		If possible, plea building, includ	ise draw a picture ing the position w	of the cl nere the	himney location on the coordinates were taken.	
Brick Stucco						
☐ Concrete ☐ Stone						
Other, please specify:						
B 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Non	∠ S	een	
If the chimney is modified (cap, liner, etc.), appropriate modification:	please check the					
☐ Cap ☐ Terra Cotta Lir	ner					
☐ Animal Guard ☐ Spark Protecto	or					
☐ Metal Liner ☐ Other, please	1.38 5	and the Committee of th				
Surrounding habitat (please check one):						
Residential Industrial						
Commercial Natural						
Other, please specify:						
Please select the SHAPE of your chimney	and provide the appro	opriate estimate	ed measurements	H.A		
☐ Round → Diameter (cm)						
☐ Square → Width (cm):		NOTE: Measurements can sometimes be				
Square 7 Width (CIII).	estimated by counting bricks. Standard bricks have the following measurements:					
Rectangular → Width (cm):	Lengt	th (cm):			x 6cm (L x W x H)	

Chimney height above roofline (m):	Number of Flues:		Colour of Chimney:	a) (
Total Chimney Height (m)	× 3 m	+	=	m	
Number of sto building	\ \ \ \ \ \ \ \		nt above roofline (m)		
If swifts are present, are they	□ Nesting	Roosti	ng 🗌 Unknown		
Additional Comments:	1 2 t . se - 2]]	- I - I - I - I - I - I - I - I - I - I			
Lando T to Make	None.	seen			
Ŏ-	- H	egali.	Terro E		

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Name	Phone Number	Car	Email Addres	SS	Constant the constant of
Street Address	()	City		Prov.	Postal Code
	V	7Yt (5.)	= !!		
Dallatina Data ila					
Building Details				, unionization	
Street Address 773 Hun. 8		City Ha	1)	Prov.	Postal Code
Owner Name	Phone Number	1 190	Email Addres		
281	()	Direction of the second	A A		
Type of building (please check one):	***	auto, say			
☐ House ☐ Church	☐ Store				
Lowrise Apartment School	☐ Factory				
Highrise Apartment Hospital	Other, p	lease specify			
Chimney Details					
Chimney Details Site Name		impoy Code			
873 Hy 8	, Ch	imney Code	Н		
GPS coordinates (DD.dddd):	NC	TE: Chimne	y codes are cre	eated using	the following scheme:
Lat. 4185087	° N	City	Initials - Site	initials - C	himney Number
Long. 606915	°W				No. of
Number of years	Eg	Port Rov	an Public	c Library	Chimneys Code 1 PR-PL-1
active (if known):		London	141 V	Vortley	2 LO-141-1 LO-141-2
Chimney material (please check one):					nimney location on the coordinates were taken.
☑ Brick ☐ Stucco		120 -	9		
☐ Concrete ☐ Stone		101			
Other, please specify:					
If the chimney is modified (cap, liner, etc.), plea	so shock the		_		
appropriate modification:	se crieck trie				
Cap Terra Cotta Liner	- IF-				
☐ Animal Guard ☐ Spark Protector	al and			X	
☐ Metal Liner ☐ Other, please speci	fv:			A	
7			1.0	ad	
Surrounding habitat (planes shock one):					
Surrounding habitat (please check one): Residential					
Residential					
☐ Commercial ☐ Natural					
Other, please specify:		7	2 27 22		
Please select the SHAPE of your chimney and	provide the appropr	iate estimated	d measuremen	ts:	
☐ Round → Diameter (cm):					
Square → Width (cm):					urements can sometimes be
Marie Marie			brid	cks have th	e following measurements:
Rectangular → Width (cm):	Length ((cm):	200	cm x 9cm	x 6cm (L x W x H)

		0	u ne da	Chimney:	rows	. (1
Total Chimney =		× 3।	m +	2	= 5	m
Number of s buildin		(approx of one		nt above roofline (m)		
If swifts are present, are the	/: 🗆	Nesting	☐ Roostii	ng 🔲 Unkn	own	
Additional Comments:		IMP !			dis. Va	umail ly
		None	seen	The second secon		
	- 14			e de la composition della comp	875	

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Name Phone Nur	mber	Email Address		C-1 The inference
Street Address	City	P	rov.	Postal Code
in Se	7 33 33		Miles	
Building Details				
Street Address	City	11	rov.	Postal Code
Owner Name Phone Nu	mber Man	Email Address	ויעוכ	Literature Situationed
()	11242	Zinan 7 tag 500	•	2000
Type of building (please check one):		15 To 15	6	14.3
House Church	Store	4.57		
☐ Lowrise Apartment ☐ School ☐ I	Factory	Simulation		a ()
Highrise Apartment Hospital	Other, please specify	1 115 4-054		
Chimney Details			- 11	1 200
Site Name	Chimney Code	11		
843 Hwy 8		17-843		
GPS coordinates (DD.dddd):	NOTE: Chimne	y codes are create	d using	the following scheme:
Lat. <u>4785)87</u> ° N	City	Initials - Site Initi	als - C	himney Number
Long. 606734 ° W	Eg. City Nan	ne Site Nam	e	No. of Chimneys Code
Number of years	Port Rov London	van Public Lit 141 Wort		1 PR-PL-1 2 LO-141-1
active (if known):				LO-141-2 imney location on the
Chimney material (please check one):				coordinates were taken.
Brick Stucco		ħ.	个	
✓ Concrete ☐ Stone		N.		
Other, please specify:	r		_	
			(
If the chimney is modified (cap, liner, etc.), please check the	e 4	,	- \	
appropriate modification:				- "
☐ Cap ☐ Terra Cotta Liner				
Animal Guard Spark Protector				
☐ Metal Liner ☐ Other, please specify:		Cal		
		road		
Surrounding habitat (please check one):	7			
Residential () Industrial				
Commercial Natural				
Other, please specify:	_			7. 4
Please select the SHAPE of your chimney and provide the	appropnate estimated	d measurements:	ī	
Round → Diameter (cm):				
Square > Width (cm): 40cm				urements can sometimes be counting bricks. Standard
11-11-11-11-11-11-11-11-11-11-11-11-11-		bricks I	nave the	e following measurements:
Rectangular → Width (cm):	Length (cm):		. JUIN X	Country AA Y LI)

Number of stories in building (approx height of one story) If swifts are present, are they: Nesting Roosting Unknown Additional Comments: None seen. BASW Seen in wear. Potential west asked in area.	Chimney height above roofline (m):	2	Number of Flues:	1		Colour of Chimney:	Gray	100	
Number of stories in building (approx height of one story) If swifts are present, are they: Nesting RoostIng Unknown Additional Comments: None seen. BASW Seen in area. Potential west asked in area.		2	×	3 m	+	2	=	8	m
Additional Comments: None seen. BASW Seen in area. Potential next sides in area.						ht above rooflin	ie (m)		on the in
BASW Spen in area. Potential next sides	If swifts are prese	nt, are the	y: 🗆 N	lesting	☐ Roost	Ing 🔲	Unknown		
							84.	, M	12
	B	ASW :	Sten i	n area	. 70	stential) nest	odes	
The state of the s									
		1	203-1				72 year/	848	

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Name Comba	Phone Number	er i i i gen-	Email	Email Address			
Street Address		City		Prov.	Postal Code	cept (interes)	
Building Details		THE CONTRACT				en Mari	
Street Address	ont-outst.	City 1		Prov.	Postal Code	oktor manimum.	
Owner Name	Phone Number	er T	Email	Address	and the same	end to contract.	
Type of building (please check one):		157				11	
House Church	☐ Sto	re				Seden "	
Lowrise Apartment School	☐ Fac	tory				41	
Highrise Apartment Hospital	Oth	er, please spe	cify:				
Chimney Details							
Site Name 809 Hwy 8		Chimney Coo	le }	1-809	1		
GPS coordinates (DD.dddd):		NOTE: Chim	ney codes	are created using	the following s	scheme:	
Lat. 43,13	° N	С	ity Initials -	Site Initials - Cl		ber	
Long. 79, 41	°W	Eg. <u>City N</u>		Site Name	No. of Chimneys	Code	
Number of years active (if known):		Port I Lond	R owan on	Public Library 141 Wortley	1 2	PR-PL-1 LO-141-1 LO-141-2	
Chimney material (please check one):				a picture of the ch sition where the c			
☑ Brick ☐ Stucco						Total C	
☐ Concrete ☐ Stone							
Other, please specify:							
pulled # <u>w. Marili San Yawa ia</u>	T. T.						
If the chimney is modified (cap, liner, etc.), plea appropriate modification:	se check the						
Cap Terra Cotta Liner						NO DELENI	
Animal Guard Spark Protector							
Metal Liner Other, please speci	fy:						
Surrounding habitat (please check one):	10,5115						
Residential Industrial						Upsi-wari	
☐ Commercial ☐ Natural							
Other, please specify:	ALSE THE						
Please select the SHAPE of your chimney and	provide the app	ropriate estima	ated measu	rements:			
☐ Round → Diameter (cm):	1 1						
☐ Square → Width (cm):	60			NOTE: Measu estimated by c	ounting bricks	. Standard	
Rectangular → Width (cm): 2) Leng	gth (cm):	ad_	bricks have the	e following mea c 6cm (L x W x	asurements:	

Number of Flues:	Colour of Chimney: Brown
× 3 m +	3 = 6 m
ories in (approx height Heig of one story)	ght above roofline (m)
: Nesting Roost	ting Unknown
Local costi	SEL HOW E
None Seen	
	Manager A. De Company Co.
the fit	3 - 11 PGS
	Flues: × 3 m + pries in (approx height of one story) : Nesting Roost None Seen

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Name Phone Numb	er	Email Address	
Street Address	City	Prov.	Postal Code
	- m g		em and the
hay q-aturit median militeria		W Harris	
Building Details			
Street Address	City	Prov.	Postal Code
Owner Name Phone Numb	er Man	Email Address	
()		n i	
Type of building (please check one):			
☐ House ☐ Church ☐ Sto	re		
☐ Lowrise Apartment ☐ School ☐ Fac	ctory		
☐ Highrise Apartment ☐ Hospital ☐ Oth	ner, please specify	: Stone Cr	eck Municipal
Chimney Details	80 1 30	1	Building
	Chimney Code		
Site Name 777 Hy 8	Chimney Code	H -77	7-0
GPS coordinates (DD.dddd):	NOTE: Chimne	y codes are created usin	g the following scheme:
Lat. 43,12,73/ ° N	City	Initials - Site Initials - 0	Chimney Number
Long. 79, 41, 500 ° W	F- 07 N	074- 14	No. of
	Eg. <u>City Nan</u> Port Rov		Chimneys Code 1 PR-PL-1
Number of years active (if known):	London	141 Wortiey	2 LO-141-1 LO-141-2
Chimney material (please check one):		se draw a picture of the o	himney location on the
☐ Brick ☐ Stucco	bullaing, includir	ig the position where the	coordinates were taken.
☐ Concrete ☐ Stone	70		
		1	
U Other, please specify:		None 8	seen
= = = = = = = = = = = = = = = = = = = =			
If the chimney is modified (cap, liner, etc.), please check the appropriate modification:		1	7
	5-		An isolatin
☐ Cap ☐ Terra Cotta Liner ☐	5		
Animal Guard Spark Protector	9	H Chilles Inty as	
☐ Metal Liner ☐ Other, please specify:	Gare		
The state of the s			
Surrounding habitat (please check one):		X	
Residential Industrial		Herry	8 Han Halinbar
☐ Commercial ☐ Natural		J	
Other, please specify:			
Please select the SHAPE of your chimney and provide the app	ropriate estimate	d measuremente	
	Jophale estillater	u measurements.	
		NOTE: Mea	surements can sometimes be
☐ Square → Width (cm):		estimated by	counting bricks. Standard he following measurements:
Rectangular → Width (cm): Len	gth (cm):		x 6cm (L x W x H)
			2017

Chimney height above roofline (m):	Number of Flues:		Colour of Chimney:			
Total Chimney =	× 3 m +			m		
Number of sto building		Height	t above roofline (m)			
If swifts are present, are they	: Nesting	Roostin	g 🔲 Unknown			
Additional Comments:	Last tall		The same			
Laging Marine						
30016						
777-0	A The same		TRUM PTT	and A		

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McIlwraith Naturalists

Name D. Godin	Phone Number	1	Email Address	3 -		
Street Address	()	City	1101	Prov.	Postal Code	
Building Details		all ino			Mantha	<u> </u>
Street Address		City 1	11	Prov.	Postal Code	11 -100
Owner Name	Phone Number	- (5, 6 (Email Address	010	A = 3年』	
Type of building (please check one): House Church Lowrise Apartment School Highrise Apartment Hospital	Store Factor	ry , please specify	<i>y</i> :			
Chimney Details				1		
Site Name 743 Hwy 8		Chimney Code	H -			
GPS coordinates (DD.dddd): Lat. 4785182	° N • w	City		nitials - C	himney Numl No. of Chimneys	oer <u>Code</u>
Number of years active (if known):		Port Ro	141 W		1 2	PR-PL-1 LO-141-1 LO-141-2
Chimney material (please check one): Brick Stucco Concrete Stone Other, please specify:			se draw a picture ng the position w			
If the chimney is modified (cap, liner, etc.), pleas appropriate modification:	e check the	7				
☐ Cap ☐ Terra Cotta Liner	9				1	
☐ Animal Guard ☐ Spark Protector ☐ Metal Liner ☐ Other, please specification		X				
Surrounding habitat (please check one): Residential Industrial			100	id		
Commercial Natural						
Other, please specify:						
Please select the SHAPE of your chimney and p	rovide the appro	priate estimate	d measurements	3:		
☐ Round → Diameter (cm):	1 00		NOT	'E. Maa-	uramenta cor -	omotimes be
Square → Width (cm): 50	<u> X S</u> O		estir brick	nated by a	urements can s counting bricks. e following mea k 6cm (L x W x	Standard asurements:
Rectangular → Width (cm):	Length	(cm):	20CI	ii a yum i	C SCHI (L X VV X	. rty

Chimney height above roofline (m):		Number of Flues:	1	A PARTY	Colour of Chimney:	Brow	3 3	7
Total Chimney Height (m)	Number of stor		3 m (approx heigh of one story)		ht above roofli	= ne (m)	7	m
If swifts are prese	nt, are they:	□ Ne	esting	☐ Roosti	ng 🗌	Unknown		
Additional Comments:	10.0			Seen	PERMIT STREET			
		- H	an Ti-qën		H - 11 7	Pyrit 6	official of	

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Street Address Owner Name Phone Number Email Address Type of building (please check one): House Church Store Lowrise Apartment Hospital Other, please specify:							
Building Details Street Address Owner Name Owner Water Name Owner or created using the following sucheme: City Initials - Chimney Name Owner Own		Phone Number		Email Addres	S		Ingeniore a
Street Address Owner Name Phone Number Prov. Postal Code Owner Name Postal Code Owner Name Postal Code Owner Name Postal Code Postal Code Postal Code Postal Code Postal Code Postal Code Owner Name Postal Code Postal C		<u> </u>	City		Prov.	Postal Code	in the latest the late
Street Address Owner Name Phone Number Prov. Postal Code Owner Name Postal Code Owner Name Postal Code Owner Name Postal Code Postal Code Postal Code Postal Code Postal Code Postal Code Owner Name Postal Code Postal C	And a second	3	S				in this
Owner Name	Building Details		IVER HER			Tin mil	
Type of building (please check one):	Street Address		City	11		Postal Code	
House	Owner Name	Phone Number	170	Email Addres		3	
House		()	Hilba I d	PA D			
Lowrise Apartment							
Chimney Details Site Name 703 Huy 8 GPS coordinates (DD.dddd): Lat. 1785 831 °N Long. 6570 °W Number of years active (if known): Chimney material (please check one): Brick Stucco Concrete Stone Other, please specify: If the chimney is modified (cap, liner, etc.), please check the appropriate modification: Gap Terra Cotta Liner Animal Guard Spark Protector Metal Liner Other, please specify: Surrounding habitat (please check one): Residential Industrial Commercial Natural Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements:							
Chimney Details Site Name 703 Huy 8 GPS coordinates (DD. dddd): Lat. +785 & 31							
Site Name 703 May 8 GPS coordinates (DD. dddd): Lat. 1785 33] ° N Long. 60 970	L Highrise Apartment	Other, p	lease specify:				
GPS coordinates (DD dddd): Lat. +785 & 3 °N Long. 605701 °W Number of years active (if known): Chimney material (please check one): Brick Stucco Concrete Stone City name Site Name Chimneys Code Pout Rowan London Tall Wortley 2 Lo-14t-1 Lo-14t-2 The chimney is modified (cap, liner, etc.), please check the appropriate modification: Gap Terra Cotta Liner Animal Guard Spark Protector Metal Liner Other, please specify: Surrounding habitat (please check one): Residential Industrial Commercial Natural Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): NOTE: Chimney codes are created using the following scheme: City Initials - Site Initials - Chimney Number Lo. 141 Vortley 2 Lo-14t-1 Lo. 141-2 No Chimney is modified (cap, liner, etc.), please check the appropriate modification: Wo Chimney is modified (cap, liner, etc.), please check the appropriate estimated measurements: No Chimney is modified (cap, liner, etc.), please check the appropriate estimated measurements: No Chimney is modified (cap, liner, etc.), please check the appropriate estimated measurements:	Chimney Details						
Note: Chimney codes are created using the following scheme: Lat.	Site Name 702 Huy 8	Chi	mney Code	Ll	702		
Lat. 1785 23	107	NO	TE: Chimney			the following s	scheme:
Long		N	City I	nitials - Site I	nitials - C	himney Num	ber
Number of years active (if known): Dort Rowan Public Library 1 PR-Pi-1	10(00)	w	11			No. of	
Chimney material (please check one): Brick			Port Row	an Public	Library	1	PR-PL-1 LO-141-1
Brick	Chimney material (please check one):						on the
Other, please specify:	☐ Brick ☐ Stucco	Dui	ang, madan	g tile position (wilele tile (coordinates we	ie taken.
If the chimney is modified (cap, liner, etc.), please check the appropriate modification: Cap Terra Cotta Liner Animal Guard Spark Protector Metal Liner Other, please specify: Surrounding habitat (please check one): Residential Industrial Commercial Natural Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements:	☐ Concrete ☐ Stone			/- 1	\		
appropriate modification: Cap	Other, please specify:			110 cm	imush		
appropriate modification: Cap					•		
Cap Terra Cotta Liner Animal Guard Spark Protector Metal Liner Other, please specify: Surrounding habitat (please check one): Residential Industrial Commercial Natural Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: 20cm x 9cm x 9cm x 6cm (L x W x H)	If the chimney is modified (cap, liner, etc.), please	check the					
Animal Guard Spark Protector Metal Liner Other, please specify: Surrounding habitat (please check one): Residential Industrial Commercial Natural Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: 20cm x 9cm x 9c	appropriate modification:	× 11					
Metal Liner ○ Other, please specify: Surrounding habitat (please check one): Residential Industrial Commercial Natural Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: 20cm x 9cm x 9cm x 6cm (L x W x H)	Cap Terra Cotta Liner						
Surrounding habitat (please check one): Residential Industrial Commercial Natural Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements:	Animal Guard Spark Protector						
□ Residential □ Industrial □ Commercial □ Natural □ Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: 20cm x 9cm x 6cm (L x W x H)	Metal Liner	14,723					
□ Residential □ Industrial □ Commercial □ Natural □ Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: 20cm x 9cm x 6cm (L x W x H)	-						
Commercial Natural Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round → Diameter (cm): Square → Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: 20cm x 9cm x 6cm (L x W x H)	l · · · · · _						
Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round → Diameter (cm): Square → Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: 20cm x 9cm x 6cm (L x W x H)							
Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: 20cm x 9cm x 6cm (L x W x H)							
□ Round → Diameter (cm): □ Square → Width (cm): □ Square → Width (cm): □ Square → Width (cm): □ 20cm x 9cm x 6cm (L x W x H)							
Square NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: 20cm x 9cm x 6cm (L x W x H)	Please select the SHAPE of your chimney and pr	ovide the appropr	ate estimated	l measurement	ts:		
estimated by counting bricks. Standard bricks have the following measurements:	☐ Round → Diameter (cm):						
20cm x 9cm x 6cm (L x W x H)	☐ Square → Width (cm):			est	imated by	counting bricks	. Standard
	L_] Rectangular → Width (cm):	Length (cm):				

Chimney height above roofline (m):	Number of Flues:	Colour of Chimney:
Total Chimney = Height (m)	× 3 m +	= m
Number of s buildii		ht above roofline (m)
If swifts are present, are the	y:	ing 🗌 Unknown
Additional Comments:	No binds see	in the same of the
	K Mr. San Com.	3 10 11 10 11 10

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Ontario Region

Région de l'Ontario



Mcliwraith Naturalists

19

Observer Details					
Name D. Graham	Phone Numb	er	Email Address		Car minimum similar
Street Address		City		Prov.	Postal Code
Building Details	Piparell	Tripped section	d peop	unici ili se unhenu	
Owner Name Street Address 669 Huy 8	Phone Numb	City er	Email Address	Prov. ON	Postal Code
Type of building (please check one): House Church Lowrise Apartment School Highrise Apartment Hospital	☐ Fac	re ztory ner, please specify	lau Pa Imp	aletus P Mene	Po
Chimney Details				201 11	
GPS coordinates (DD dddd): Lat. 4785285 Long. 605454 Number of years active (if known): Chimney material (please check one): Brick Stucco Concrete Stone Other, please specify: If the chimney is modified (cap, liner, etc.), please appropriate modification: Cap Terra Cotta Liner Animal Guard Spark Protector Metal Liner Other, please specification:		City Eg. <u>City Nan</u> Port Rov London If possible, pleas	Initials - Site In ne Site No van Public 141 W se draw a picture	ame Library ortley	the following scheme: Chimney Number No. of Chimneys Code 1 PR-PL-1 2 LO-141-1 LO-141-2 Dimney location on the coordinates were taken.
Surrounding habitat (please check one): Residential Industrial Commercial Natural Other, please specify:	DAKE A T		coade		inder ordensammi
Please select the SHAPE of your chimney and Round → Diameter (cm): Square → Width (cm): Rectangular → Width (cm):	Ocm	oropriate estimated	NOT estin brick	FE: Meas mated by ks have the	urements can sometimes be counting bricks. Standard le following measurements: x 6cm (L x W x H)

Chimney height above roofline (m):	2	Number of Flues:	1	mili	Colour of Chimney:	Gray	a) . (Trail
Total Chimney Height (m)	Million 1	×	3 m	+	2	=	5	_ m
	Number of sto building		approx height of one story)		leight above roofl	ine (m)	INFERT	ni5 lu
If swifts are pres	ent, are they	: Nes	sting	☐ Roo	osting [Unknown		No. 1569
Additional Comments		nearly one	(Va		seen.		30)	di puic
Ba	on Swa	llow.fo	Bulba	· male	apparently	suitable	nesh	3
	1- 9%	1/ (8 111	94	

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Name	Phone Number	er	Email Addre	SS	ete Tomeston unit
D. Graham	()		114		Z) Linear day
Street Address		City		Prov.	Postal Code
The North Control of the Control of	ENT LANGE			- S. C. C.	Aut of car
Building Details					
Street Address		City	1 Eg	Prov.	Postal Code
196 Fruitland	Kd	Ham	Han	ON	17 Waterman
Owner Name	Phone Numb	er	Email Addre	ss	
Type of building (please check one):		CY BLAN			
the -	П он	and the second			
House Church	∐ Sto				
Lowrise Apartment School		ctory			
☐ Highrise Apartment ☐ Hospital	Oth	er, please specify	. ,		
Chimney Details					
Chimney Details					
Site Name 19% Fourthead		Chimney Code	И-	•	1 1
GPS coordinates (DD.dddd):		NOTE: Chimne	y codes are cr	eated using	the following scheme:
Lat. 4785502	• N	City	Initials - Sita	Initials - C	thimney Number
Long. (00<353	• W	City	illitiais - Oite	IIIIIais - C	No. of
Long. 605 35	**	Eg. <u>City Nam</u> Port Row		Name ic Library	Chimneys Code 1 PR-PL-1
Number of years active (if known):		London		Vortiey	2 LO-141-1
Chimpley material (please check one):		If possible, pleas	se draw a pictu	re of the ch	LO-141-2 nimney location on the
		building, includir	g the position	where the	coordinates were taken.
☑ Brick ☐ Stucco		MI			
☐ Concrete ☐ Stone					
Other, please specify:					
			\		H
If the chimney is modified (cap, liner, etc.), please	se check the				
appropriate modification:					na natition
☐ Cap ☐ Terra Cotta Liner		g g			
Animal Guard Spark Protector		2	0.0		1
Metal Liner Other, please speci	fy:		1X		
			1,		
Surrounding habitat (please check one):					
Residential Industrial					fix ode-como
☐ Commercial ☐ Natural					
Other, please specify:				Willes .	4 , 4
Please select the SHAPE of your chimney and p	provide the app	propriate estimated	d measuremer	nts:	L.
☐ Round → Diameter (cm):					
☐ Şquare → Width (cm):					urements can sometimes be
III No egot apii			bri	cks have th	counting bricks. Standard be following measurements:
Rectangular → Width (cm):	5 Len	igth (cm):	O 20	cm x 9cm	x 6cm (L x W x H)

Chimney height above roofline (m):	0.5	Number of Flues:	l		Colour of Chimney:	Bro	wo	d.
Total Chimney Height (m)	2	×	3 m	+		_	7	m
	Number of stor	ies in	(approx heigh of one story)		ht above roof	line (m)		g, mutern
If swifts are present	t, are they:	□ N	esting	☐ Roosti	ing 🗌	Unknown		
Additional Comments:	1500	- edil	· Milita	50	1 1	sol Tim	" ell"	
			None	seen				
		-14				P.v. Har	\$	
					3317	THE STATE OF	FRAULTO	TE THE

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			HEO TO THE STATE OF THE STATE O
Name D. Gahan Phone Numb	er	Email Address	
Street Address	City	Prov.	Postal Code
	* 111 4.		
Building Details			
	Lou		
Street Address Rd Fruitland Rd	City	Prov.	Postal Code
Owner Name Phone Numb		Email Address	- Later and the second
	ar ever o'v		
Type of building (please check one):			
House L Church L Sto	ore	CHAIN PORT	
Lownse Apartment School Fa	ctory		
Highrise Apartment Hospital Ott	her, please specify:		
Ohiman Bataila			
Chimney Details			
Site Name 222 Fruitland	Chimney Code	H-222	
GPS coordinates (DD.dddd):	NOTE: Chimney	codes are created using	the following scheme:
Lat. <u>4985 727</u> ° N	City I	nitials - Site Initials - C	himney Number
Long. 605406 ° W	Eg. City Nam	ne Site Name	No. of Chimneys Code
Number of years	Port Row	an Public Library	1 PR-PL-1
active (if known):	London	141 Wortley	2 LO-141-1 LO-141-2
Chimney material (please check one):		e draw a picture of the ch g the position where the	
Srick Stucco		NA	
☑ Concrete ☐ Stone		1	
Other, please specify:			
	\ \		
If the chimney is modified (cap, liner, etc.), please check the	-		
appropriate modification:			regions my
☐ Cap ☐ Terra Cotta Liner			
☐ Animal Guard ☐ Spark Protector	3	Janes San	71
Metal Liner Other, please specify:	38		
Surrounding habitat (please check one):			
Residential Industrial			
Commercial Natural			
Other, please specify:			
Please select the SHAPE of your chimney and provide the ap	propriate estimated	I measurements:	
Round → Diameter (cm):			
☐ Square → Width (cm):			urements can sometimes be counting bricks. Standard
ampropeditation (bricks have th	e following measurements:
Rectangular → Width (cm): 20 Ler	ngth (cm):	O Zucm x 9cm	(6cm (L x W x H)

Chimney height above roofline (m):		Number of Flues:	_	colour of Chimney:	
Total Chimney Height (m)	2	× 3 m	+	= =	77 m
	Number of stor building	ries in (approx hei of one stor		above roofline (m)	Allegand products
If swifts are preser	nt, are they:	☐ Nesting	Roosting	☐ Unknown	
Additional Comments:			seen.	Dan TrojT	
	Ban	Suallow	foragin	g overhead	
	S.s	8-4		and the second	222
POTENTIAL TO STREET	-uni-	The state of the s	2	Fig. Spring and the second	anticontinuos titlus

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Naturalists

22

Name \ \ \ \ \ \ \	Phone Numb	per	Email Addres	s	an personal
D. Graham	()	11 1 37	m buns		Jenny Friedrich
Street Address	25	City		Prov.	Postal Code
uilding Details					
Street Address 250 Frutland	J DA	City	. 11	Prov.	Postal Code
Owner Name	Phone Numb	er Han	Email Addres	s	3
Type of building (please check one):		and the	SCF		
House C	nurch Sto	ore			
☐ Lowrise Apartment ☐ So	chool	ctory			
Highrise Apartment He	ospital Otl	ner, please specify	<i>y</i> :		
himney Details					
Site Name 250 Frutla	d	Chimney Code	L	1-25	D -1
GPS coordinates (DD.dddd);		NOTE: Chimne	y codes are cre	ated using	the following scheme:
Lat. 4785 921	° N	City	Initials - Site I	nitials - C	himney Number
Long. (00545°	°W	Eg. City Nar			No. of
lumber of years active (if known):		Port Roy London	wan Public	Library /ortley	<u>Chimneys</u> <u>Code</u> 1 PR-PL-1 2 LO-141-1 LO-141-2
Chimney material (please check one):					nimney location on the coordinates were taken.
☑ Brick ☐ Stucco		ballang, moladi	ng the position v		soordinates were taken.
☐ Concrete ☐ Stone			1	IV	
Other, please specify:					
			9		
f the chimney is modified (cap, liner, etc	.), please check the				
pproprate modification:					4
Cap Terra Cotta	Liner	-val			
Animal Guard	ctor		Let		
☐ Metal Liner ☐ Other, pleas	e specify:				
Surrounding habitat (please check one):					
Residential Industrial			1		
Commercial Natural					
Other, please specify:					
lease select the SHAPE of your chimne	y and provide the ap	propriate estimate	d measurement	s:	
Round → Diameter (cn	n):				
Square → Width (cm):			esti	mated by	urements can sometimes b counting bricks. Standard
Rectangular → Width (cm):	25 ler	ngth (cm): 57			e following measurements: k 6cm (L x W x H)

Chimney height above roofline (m):	Numb Flues		Storing.	Colour of Chimney:	Brown) d
Total Chimney =		× 3 m	+	3	= 6	> _ m
N	umber of stories in building	(approx heig of one story		ht above roofline (n	n)	- Stronger
If swifts are present	, are they:	☐ Nesting	☐ Roost	ing 🔲 Unl	known	LOW ST. SOL
Additional Comments:	199	16000 / 100	I morning	DA BOR	ition V	e)
		None	~~~			
		none	Seen			
						B 0.4
\-	H-JO			triolt.	250 Fr.	
						The state of the s

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Field **Naturalists**

23

Name C C	Phone Numbe		Email Address	/ Political
D. Grownam	()	10/11/2	4841	Lity and mann
Street Address		City	Prov.	Postal Code
		Philade School		
Building Details				
Street Address Fruit land	D-1	City	// Prov.	Postal Code
Owner Name	Phone Numbe	179m	Email Address	E I I PAR SE
4	()	The state of		
Type of building (please check one):	galatera.			
House L Churc	h L Store	e W I I		
☐ Lowrise Apartment ☐ School	I 🔲 Fact	огу		
Highrise Apartment Hospit	al Othe	r, please specify:		
Chimney Details				
Site Name 288 Fruit land		Chimney Code	H-28	8-1
GPS coordinates (DD.dddd):		NOTE: Chimney	codes are created using	
Lat. 4186204	° N	City I	nitials - Site Initials - C	Chimney Number
Long. 605526	· w	Ea City Nam	o Sito Namo	No. of
Number of years active (if known):		Port Row London		<u>Chimneys</u> <u>Code</u> 1 PR-PL-1 2 LO-141-1 LO-141-2
Chimney material (please check one):			e draw a picture of the cl	nimney location on the
☐ Brick ☐ Stucco		ballariy, iricidani	g the position where the	coordinates were taken.
Concrete	V	TNI		
Other, please specify:				
	3	ratio in	1	
If the chimney is modified (cap, liner, etc.), pl	ease check the			2
appropriate modification:		8		LVGB(e)B(d)
Cap Terra Cotta Line		3		
Animal Guard Spark Protector	No.	S y	a supering to the	
☐ Metal Liner ☐ Other, please sp	ecify:			
	ALME ICA			
Surrounding habitat (please check one):	e y 11 100			
Residential Industrial				
Commercial Natural				
Other, please specify:				
Please select the SHAPE of your chimney ar	nd provide the appr	opriate estimated	measurements:	The same
☐ Round → Diameter (cm):				
☐ Square → Width (cm):	50			urements can sometimes be
Coquate vindir (GII).			estimated by bricks have th	counting bricks. Standard ne following measurements:
Rectangular → Width (cm):	Leng	th (cm):	20cm x 9cm	x 6cm (L x W x H)

Chimney height above roofline (m):	Number of Flues:		our of mney:	aa .a =
Total Chimney =	2 × 3 m	+	=	7 m
	of stories in (approx hei Iding of one stor		ove roofline (m)	
If swifts are present, are t	hey: 🗌 Nesting	☐ Roosting	Unknown	in the promotive section
Additional Comments:	Trems Mary - Til	1	Total five	1 03/2
	No	ne seen		
J 83	X2 - H 1 - 2X		to although	1730
	THE RECORDER TO		10 1	

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Mcllwraith Field **Naturalists**

Name	Phone Num	nber		Email Ad	ldress	Ā	
Street Address	()		City		Prov.	Postal Code	
The state of the s			m E	Л			
Building Details							
Street Address Rd.		997	City	11	Prov.	Postal Code	
Owner Name	Phone Nun	nber	Ma	Email Ac	ddress	1/4	yeynemelin
A THE CASE OF THE	()		a d			3 =	Fu = i
Type of building (please check one):							
House Church		tore	3090	342			
Lowrise Apartment School		actory					
Highrise Apartment Hospital		other, pl	ease specify	:			
Chimney Details							
Site Name		Chi	mney Code	Ц	- 287	H.	
CDC acadinates (CD ddd)		NO.	TE: Chimne		e created using	the following s	scheme
GPS coordinates (DD.dddd): Lat. <u>4785965</u>	° N				Site Initials - Cl		
Long. 606379	• W		City	iriidais - c	one miliais - Ci	No. of	Jei
	Ã	Eg.	City Nan Port Roy		ite Name Public Library	Chimneys 1	Code PR-PL-1
Number of years active (if known):			London		41 Wortley	2	LO-141-1 LO-141-2
Chimney material (please check one):					picture of the ch		on the
☐ Brick ☐ Stucco		Duli	umg, moruum	ig the posi	uon where the c	oordinates we	ie takeii.
Concrete Stone							
Other, please specify:				1			
					-		
If the chimney is modified (cap, liner, etc.), plea	ee check the	_				200	
appropriate modification:	ise check the				11		ed union
☐ Cap ☐ Terra Cotta Liner							
Animal Guard Spark Protector				1 13		12	
☐ Metal Liner ☐ Other, please spec	ify:			8			
				3			ek,, i
Surrounding habitat (please check one):		-					
Residential Right Industrial				•			nik nems y
☐ Commercial ☐ Natural			, Λ				
Other, please specify:				V			
	provide the -		nto optimate		20134 7		
Please select the SHAPE of your chimney and	hiovide tue a	ppropna	ale estimate	u measure	шепіз:		
☐ Round → Diameter (cm):					NOTE:		
Square → Width (cm):	0				NOTE: Measu estimated by c	ounting bricks	. Standard
- Artigoropy to the	45		ų i		bricks have the		
Rectangular → Width (cm):	L	ength (c	:m):			E)	

Chimney height above roofline (m):	Number of Flues:	1	Colour of Chimney:	Scay
Total Chimney =	X	3 m +		=/ 4 m
Nu		pprox height I of one story)	Height above roofline (m)	2004 Sept Copies
If swifts are present,	are they: Nes	ting 🗌 Ro	osting 🔲 Unkn	own
Additional Comments:	100 mil.		, t. A.	2500 7 131
	Nana	COR A		
	" ONC	seen		
	VEL H			87.20

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Site Name GPS coordinates (DD.dddd): Lat.					d' E
Building Details Sireet Address Owner Name Phone Number	Name Phone Numi	ber	Email Address		
Surest Address City	Street Address	City		Prov.	Postal Code
Street Address City		171 6		- 1	And the second s
Street Address Prov. Postal Code	Building Details				
Owner Name		City		Prov.	Postal Code
Type of building (please check one): House Church Store House Church Store Highrise Apartment Hospital Other, please specify: Chimney Details Site Name Store Chimney Details Site Name Store Chimney Code A - 25 9 Chimney Details Site Name Store Commercial Store Concrete Store Chimney Port Rowan Public Library PR-FL-1 London	259 Jones Rd	Ha	m. Hon	ON	
House	Owner Name I Phone Num	ber	Email Address		
House	Type of building (please check one):	9632			30.5 18 (10.11) - 1 (3)
Highrise Apartment		ore			
Highrise Apartment	☐ Lowrise Apartment ☐ School ☐ Fa	actory			
Chimney Details Site Name GPS coordinates (DD.dddd): Lat.		11 11 11 11	y:		
Site Name GPS coordinates (DD.dddd): Lat.	MITTER THE BUTTON OF THE BUTTON				TOTAL NEW B
GPS coordinates (DD. dddd): Lat. 4785796 °N Long. 606335 °W Sign Name Port Rowan Port	Chimney Details				
Lat. 4785 796 N Long. 606 335 °W Eg. City Initials - Site Initials - Chimney Number No. of Chimneys Code Public Library 1 PR-PI-1 141 Wortley 2 Lo-141-1 15 perit Rowan London 141 Wortley 2 Lo-141-1 16 perit Rowan London 141 Wortley 2 Lo-141-1 1	Site Name	Chimney Code	11 7	5 B	Varieta V. Di. T. Di. Di
Lat. 4785 796 N Long. 606 335 °W Eg. City Initials - Site Initials - Chimney Number No. of Chimneys Code Public Library 1 PR-PI-1 141 Wortley 2 Lo-141-1 15 perit Rowan London 141 Wortley 2 Lo-141-1 16 perit Rowan London 141 Wortley 2 Lo-141-1 1	as/ vones	NOTE: Chimne	ev codes are crea	ted using	the following scheme:
Long	1 20-1-01				
Number of years active (if known): Number of years active (if known): Deficition Port Rame Po	/ 1000000000000000000000000000000000000	City	IIIIIIais - Oite III	iliais - C	
active (if known): Chimps/ material (please check one): Brick					
Chimpey material (please check one): Brick		London	141 W	ortley	
Brick	Chimney material (please check one):				himney location on the
Other, please specify:	☐ Brick ☐ Stucco	ballang, mada	ing the position w	iere (ne	coordinates were taken.
If the chimney is modified (cap, liner, etc.), please check the appropriate modification: Cap	☐ Concrete ☐ Stone				
appropriate modification: Cap Terra Cotta Liner Animal Guard Spark Protector Metal Liner Other, please specify: Surrounding habitat (pleas) check one): Residential Industrial Commercial Natural Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements:	Other, please specify:	-			
appropriate modification: Cap Terra Cotta Liner Animal Guard Spark Protector Metal Liner Other, please specify: Surrounding habitat (pleas) check one): Residential Industrial Commercial Natural Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements:					
appropriate modification: Cap	If the chimney is modified (cap, liner, etc.), please check the	-	1	^	
□ Animal Guard □ Spark Protector □ Metal Liner □ Other, please specify: Surrounding habitat (please check one): □ Residential □ Commercial □ Natural □ Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: □ Round → Diameter (cm): □ Square → Width (cm): □ Square → Width (cm): □ NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: 20cm x 9cm x 9cm (x x W x W) 20cm x 9cm x 9cm (x x W x W) 20cm x 9cm x 9cm (x x W x W) 20cm x 9cm x 9cm (x x W x W) 20cm x 9cm x 9cm (x x W x W) 20cm x 9cm x 9cm (x x W x W) 20cm x 9cm x 9cm (x x W x W) 20cm x 9cm x 9cm (x x W x W) 20cm x 9cm x 9cm (x x W x W) 20cm x 9cm x 9cm x 9cm (x x W x W) 20cm x 9cm x	appropriate modification:		9		
Metal Liner	Cap Terra Cotta Liner				
Surrounding habitat (pleas) check one): Residential	☐ Animal Guard ☐ Spark Protector				3
Residential	☐ Metal Liner ☐ Other, please specify:		4	18	
Residential	The state of the s			1	
□ Commercial □ Natural □ Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: 20cm x 9cm x 5cm (1 x W x H) Commercial Note: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: Output Diameter (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: Output Diameter (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: Output Diameter (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements: Output Diameter (cm): Diameter	Surrounding habitat (pleas) check one):			1	
Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements:	Residential Industrial				
Other, please specify: Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements:	Commercial Natural				
Please select the SHAPE of your chimney and provide the appropriate estimated measurements: Round Diameter (cm): Square Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements:					
Round Diameter (cm): Square Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements:		propriate estimate	ed measurements	TIS I	
Square Width (cm): NOTE: Measurements can sometimes be estimated by counting bricks. Standard bricks have the following measurements:					
bricks have the following measurements:					
20cm x 9cm x 6cm (L x W x H)	The second second		brick	s have th	ne following measurements:
Rectangular \rightarrow Width (cm): Length (cm):	Rectangular → Width (cm): 50 Le	ngth (cm):	30 20cr	n x 9cm	x 6cm (L x W x H)

Chimney height above roofline (m):	2.5	Number of Flues:	1	mannezi	Colour of Chimney:	Brak	m (C)	in the same of
Total Chimney =	HC 1	×	3 m	+	2.5	=	55	_ m
1 THE P. L.	Number of sto building		approx height of one story)	Heig	ht above rooflir	ne (m)		entid :
If swifts are presen	nt, are they	: Nes	ting	☐ Roost	ing 🔲	Unknown		
Additional Comments:	- AAO	- A. (**)	nja kr		100	alune,	17 Z. N	
			11					
			V_{o}	he s	een			
								na sutel
	6	26-1				6.00	939	

Created by:



Canadian co-partner of un partenaire canadien de



In partnership with:







Environment Canada

Environnement Canada

Ontario Region

Région de l'Ontario



McIlwraith Naturalists

Name Phone Numb	er	Email Address	S.C. Hartenin
Street Address	City	Pro	ov. Postal Code
12 8 3 2.0	T IN E.	. 8 3	Service
Building Details			
Street Address PA	City	// Pro	ov. Postal Code
Owner Name Phone Numb	er Ma	Email Address	N a usa awar i garata in
Type of building (please check one): House	ore	7-1-7-1	
☐ Highrise Apartment ☐ Hospital ☐ Oth	ner, please specif	y:	
Chimney Details			
Site Name 238 Jones	Chimney Code	41-27	28-1
GPS coordinates (DD.dddd):	NOTE: Chimn	ey codes are created	using the following scheme:
Lat. 478 5562 ° N	City	Initials - Site Initial	s - Chimney Number
Long. 606281 °W	Eg. City Na		No. of
Number of years active (if known):	Port Ro Londor	wan Public Libra	ary 1 PR-PL-1
Chimney material (please check one):			the chimney location on the the coordinates were taken.
Brick Stucco	A	mg are position under	and desirant and word taken.
☐ Concrete ☐ Stone			
Other, please specify:	1 (4	1	
		1 4	
If the chimney is modified (cap, liner, etc.), please check the appropriate modification:			a Hentiere
Cap Terra Cotta Liner			
Animal Guard Spark Protector			
☐ Metal Liner ☐ Other, please specify:	\ 	X	
Surryunding habitat (please check one):		1	
Residential CVCO Industrial			
☐ Commercial ☐ Natural			
Other, please specify:			
Please select the SHAPE of your chimney and provide the app	propriate estimate	ed measurements:	J Tal
☐ Round → Diameter (cm):			
☐ Square → Width (cm):		estimate	Measurements can sometimes be d by counting bricks. Standard
Rectangular → Width (cm): Ler	ngth (cm):		ive the following measurements: 9cm x 6cm (L x W x H)

Chimney height above roofline (m):	05	Number of Flues:	l		Colour of Chimney:	Ba	משום	CI .
Total Chimney =	2	×	3 m	+	0.5		65	m
	Number of sto building		approx height of one story)	Heig	ht above roofline	(m)	and Correct	e lama
If swifts are prese	nt, are they	☐ Nes	ting	☐ Roosti	ing 🔲 U	nknown		
Additional Comments:				ne s	ce 1	Assert -		
	F-889		Michigan III			- 312		

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Observer Details				
Name	Phone Numb	er	Email Address	All with a series
Street Address	1()	City	Prov.	Postal Code
A A A A	1	Oity	1100.	r ostal code
Building Details		Horizon de la composición del composición de la		Seeding 1
Street Address	0.1	City , ,	Prov.	Postal Code
191 Jones	Kd	Ha	m. Itan Ol	J. Complete Complete
Owner Name	Phone Numb	oer	Email Address	
Type of building (please check one):	(2.93	M. CHAN	iA.	
House Chur	ch 🔲 Sto	ore		
☐ Lowrise Apartment ☐ Scho		ctory		
Harman III - Markin Karal II				
Highrise Apartment Hosp	itai 🗀 Oti	her, please specify	/.	
Chimney Details				
Site Name 197 Jones	19 12 15	Chimney Code	H- 19	77-1
GPS coordinates (DD.dddd):		NOTE: Chimne	y codes are created us	ing the following scheme:
Lat. 4785332~	° N	City	Initials - Site Initials -	- Chimney Number
Long. (006 228	• W	1100		No. of
Number of years active (if known):		Eg. City Nar Port Ro London	wan Public Library	Chimneys Code 1 PR-PL-1 2 LO-141-1 LO-141-2
Chimney material (please check one):	-			chimney location on the
Brick Stucco		building, includi	ng the position where the	ne coordinates were taken.
☐ Concrete ☐ Stone			N	
Other, please specify:				4
Otter, please specify.				
		-		
If the chimney is modified (cap, liner, etc.), paperogriate modification:	please check the			The Publicant
Cap Terra Cotta Line				(Vehicl/ex)
☐ Animal Guard ☐ Spark Protector				
Metal Liner	pecity:		++	7
<u> </u>			u	
Surrounding habitat (please check one): Residential				
☐ Commercial ☐ Natural				
Other, please specify:				
	and manide the			Separation of the separation o
Please select the SHAPE of your chimney a	ing provide the ap	propriate estimate	a measurements:	
☐ Round → Diameter (cm):				
☐, Square → Width (cm):				asurements can sometimes be by counting bricks. Standard
1565641544	43		bricks have	the following measurements:
Rectangular → Width (cm):	50 Ler	ngth (cm):	20cm x 9ci	m x 6cm (L x W x H)

Chimney height above roofline (m):	Number of Flues:	in Hindson	Colour of Chimney:	Jan
Total Chimney =	× 3 m	+	1	= 4 m
	of stories in (approx hei ilding of one stor		t above roofline (m)	
If swifts are present, are	they: 🗌 Nesting	☐ Roostin	ng 🗌 Unkno	own
Additional Comments:	12m. 1ton 01		A Robert	
	None	seen		
				caron V
1-2	1-4		2.5	200 TPI

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Environment Canada Ontario Region Environnement Canada Région de l'Ontario



McIlwraith Field **Naturalists**

Daytime Chimney Observation Form \$1.7 Observer Province: Name: Observer City: Address: West love Site Name: Chimney Code: Telephone: GPS Coord. (UTMs or Lat/Long): E-mail: Date Observation start time Observation end time Estimated # of birds Visit# (dd/mm/yy) (hh:mm) (hh:mm) using chimney 4:45 Precipitation Cloud Wind Temperature (°C) None race Rain 3 5 6 **Additional Comments:** Wind (Beaufort Scale) **Cloud Cover** No Chinney 0 Calm, smoke rises vertically 1 0-25% 1 Light air movement, smoke drifts 2 25-50% 2 Slight breeze, wind felt on face 3 50-75% 3 Gentle breeze, small twigs move 4 75-100% 4 Moderate breeze, small branches move 5 Fog 5 Fresh breeze, small trees sway 6 Strong breeze, large branches in motion Entrances **Exits** Time (hh:mm) # Birds Time (hh:mm) # Birds Time (hh:mm) # Birds Time (hh:mm) # Birds 0 0

Flation

2 3

10 11

Daytime Chimney Observation Form

Time (hh:mm) 19:28 19:40 20:00 20:45 20:30 20:40 20:50 21:00	# Birds 0 0 0 0 0 0 0 0 0	Time (hh:mm)	# Birds	Time (hh:mm) 19:20 19:40 20:00 20:05	#Birds O O O O	Time (hh:mm)	# Birds
20:40 20:45 20:30 20:40 20:50	O 0 0 0	30 mat 2 aV 1 mg ak		19:40 20:00 20: 65	0		
20:00 20:15 20:30 20:40 20:50	0 0 0 0			19:40 20:00 20: 65	0		
20:00 20:15 20:30 20:40 20:50	0 0 0			20:00	0		
20:45 20:30 20:40 20:50	0 0 0			20:05			
20: 30 20: 40 20: 50	0						6
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20:50			1	20:30 20:40	0		
							
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Property	Site Number	Easting	Northing
660 Barton	1	605674	4786287
692 Barton	2	605881	4786235
720 Barton	3	606102	4786169
748 Barton	4	606297	4786111
789 Barton	5	606527	4786043
822 Barton 🗸 /	6	606758	4785968
844 Barton	7	606904	4785915
884 Barton	, 8	607206	4785821
Barton (Store Cock Classica	Followship 1 9	607304	4785777
26 Glover V	10	607173	4785563
239 Glover √	11	607101	4785327
Glover (K) sedem Hall of J	harah's Witness 12	607057	4785169
873 Hwy 8	// 13	606915	4785087
843 Hwy 8	/ 14	606734	4785187
809 Hwy 8	/ 15	43.12	79.41
777 Hwy 8	16	43.12	79.41
743 Hwy 8	// 17	605959	4785182
703 Hwy 8	18	605701	4785231
669 Hwy 8	19	605454	4785285
196 Fruitland	/ 20	605353	4785502
222 Fruitland	21	605406	4785727
250 Fruitland	22	605459	4785921
288 Fruitland	23	605526	4786204
287 Jones	24	606379	4785965
259 Jones	25	606335	4785796
238 Jones	26	606281	4785562
197 Jones	27	606228	4785332

CHSW 606448, 4785209 606241, 4785242

May 31st Doytine Chancy Swift Swrey

Site 2: AMKE a declining grassland species observed overflying stc.

Site 14: 2 CHSW aerial Foraging over site. Birds node to effort to fly into chinay of this or adjacent properties appeared adjacent properties. Chinneys of subject property and adjacent properties appeared unswitable for species bused on criteria contained in the CHSW Maniforms

Site 15: As at site 14, only differing in 4 CHSW aerial foraging

		[Daytime Cl	nimney	Observ	ation F	orm				
	Provinc		Ontaria		age 1 Observer Name: Observer	1	6	schoon !	N.Ko	PYSH.	
	Ci Site Nam	ne: Fau	Hand-Wi	hana	Address:	300-	675	Cochran	e Dr	tean	
	Chimney Coo GPS Coo (UTMs or Lat/Long	rd.			Telephone: E-mail:	90 900	5 ·	415-6 tags	417 tante	Lover C. com	
	Date (dd/mm/yy)	Obs			lon end time visit		Estimated # of b				
	12/06/12	0.	8:15	09:	15.	1					
	Precipitation		Cloud		Wind			Temperature (°C)			
	None Trace Rain		1 2 3 4 5		0 1 2 3 4 5 6			20°C.			
ميل م	Additional Comments:				Wind (Beaufort Scale) Cloud Cover O Calm, smoke rises vertically Light air movement, smoke drifts Slight breeze, wind felt on face Gentle breeze, small twigs move Moderate breeze, small branches move Fresh breeze, small trees sway Strong breeze, large branches in motion						
Station #	The (1)	Entra		Exits							
24	Time (hh:mm)	# Birds	Time (hh:mm)	# Birds	Time (hh:	mm) # E	lirds	Time (hh:mm)	# Birds		
25	08:30	Ø			08:3)) ()	<i>D</i>				
		γ									
								•••••	70		

Hamilton:
60950443 June 25 2012 -wind in 4m
CH8W - 20°C - 10° 10 cloud
- 6 preeip.

10:15-10:30 - 6 CH8W observed.

2) Stn 15 - 809-Hwy 8 -> of CHSW Obs. BUT 10:35-10:50 on BBS#10 adjacent 40 This stn (earlies)



Stantec Consulting Ltd. 70-1 Southgate Drive Guelph, Ontario, Canada N1G 4P5

Tel: (519) 836-6050 Fax: (519) 836-2493

Barn Swallow Observation Form

Statilet	
Project Number 1609 50443	Project Name: Foutland - Wingra
Date: June 1 2012	Field Personnel: Michael Olive ira

 Weather Conditions:
 Temp:
 Wind:
 Cloud:
 PPT:
 PPT in last 24 hrs:

 0
 20%
 0

Survey	Time	GPS	# BARS	Type of	Accessible		
Station		Coordinates	observed	structure (e.g.	nesting sites		ests
				barn, culvert)	(Y or N)	Active	Inactive
0	913-918	606801 28	5	NA.	Foraging	only	
		1/02-1-0		1 2	99	7	
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	-						
							. 1900
			~ _				
	_						
		-					
				70			

Quality Contro	l: This form is complete () & legible ().		
Signature:		Signature:	
	(Field Personnel)		(Project Manager)

REV: June-09 FORM 034



Date:

Twy 8

Stantec Consulting Ltd. 70-1 Southgate Drive Guelph, Ontario, Canada N1G 4P5

Tel: (519) 836-6050 Fax: (519) 836-2493

Barn Swallow Observation Form

-		
Designat Niversi	1600	750411

Project Name: Fruit/and -Project Number_ June Field Personnel:

PPT: PPT in last 24 hrs: Temp: Wind: Cloud: **Weather Conditions:** 20%

GPS Type of Time #BARS Accessible Survey Station Coordinates observed structure (e.g. nesting sites Nests barn, culvert) (Y or N) Active Inactive None None 0 No

Quality Control: This form is complete () & legible ().			
Signature:	Signature:		
(Field Personnel)		(Project Manager)	
		REV: June-09	FORM 034



Stantec Consulting Ltd. 70-1 Southgate Drive Guelph, Ontario, Canada N1G 4P5

Barn Swallow Observation Form

Stantec	Fax: (519) 836-6					
Project Number 609	50443		Project Name:	Hamilto	<i>^</i> ·	
Date: June 12, 2012			Field Personnel: N. Kopash			
Weather Conditions:	Temp:	Wind:	Cloud:	PPT:	PPT in last 24 hrs: Vain Juni	
	1					

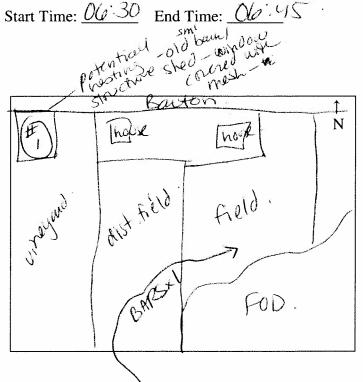
Station#13.

Location of BARS observation: ___

Tally of BARS: _

Sketch of Habitat (include foraging habitat and location of potential nesting structures) or provide details on air photo

- Map crop types in vicinity of BARS observation and surrounding area (i.e. within 200m)
- Include location of water bodies (e.g. river, pond)
- Mark location of BARS foraging
- Mark location of potential nesting structures



Description of Potential Nesting Structures:

Signature:

Structure # (indicate	Type of structure	Accessible	Number of nests present			t
location on map)	(e.g. barn, culvert)	nesting sites (Y)	BA	RS	C	LIS
		or N)	Active	Inactive	Active	Inactive
41	ban/shed.	open windows=	unkn	own - no	alless	
		comed with	to	observe		
		mesh.	d			
		on front=	\mathcal{O}	BARS	seeh	:
		1) men	2.46	Sac Lev	atin 1	

Quality Control This complete (\(\sqrt{\&} \) legible (

Signature: _

(Project Manager)

FORM 034

(Field Personnel) REV: June-09



Stantec Consulting Ltd. 70-1 Southgate Drive Guelph, Ontario, Canada N1G 4P5

Tel: (519) 836-6050 Fax: (519) 836-2493

Barn Swallow Observation Form

Partie Marie Co	-62000018-2			
Dunings N		11.69	150	442

Project Number 1607 50 443

Date: Jone 25, 2612

Project Name: Frutland - Winana

Field Personnel: Nicole Kopysch.

 Weather Conditions:
 Temp:
 Wind:
 Cloud:
 PPT:
 PPT in last 24 hrs:

 16 - 20 C
 2-3
 156
 PPT:
 PPT in last 24 hrs:

Survey	Time	GPS	# BARS	Type of	Accessible		
Station	1.	Coordinates	observed	structure (e.g.	nesting sites	Ne	
				barn, culvert)	(Y or N)	Active	Inactive
4	619-629		2	N.A.	Famous	01/4	
10	811-816		2	NA	Forothe	anlu	
9.	830-835		1	N.A.	Forgre Forge	onli	
14	937-94		8	N.A.	roració	ogly	
15	945-950		8	N-A.	Foragra	orte	
13	930-935		8	N.A.	Torack		
17	10 9-1007		2	N.A.	Foragne	all	
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Quality Contro	ol: This form is complete () & legible ().			
Signature:		Signature:		
	(Field Personnel)		(Project Manager)	

REV: June-09 FORM 034



Stantec

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

Barn Swallow Observation Form

	950443		Project Name: _	Hamilton	-fruitland
Date: June 25,	2012 05	$\frac{730 - 1040}{}$	Field Personnel:	N.KOPYS	SH
Weather Conditions:	Temp: 20°C.	Wind: 2-3	Cloud:	PPT:	PPT in last 24 hrs:

Survey	Time	GPS	#BARS	Type of	Accessible		
Station		Coordinates	observed ad/	structure (e.g.	nesting sites	Nests	
BARSH			In cultur	barn, culvert)	(Y or N)	Active	Inactive
6	05:30	0605692/ 4786278	Ø	smi, roundculus	2	ð.	
		4786278				1	
		Cinci Da					
3	10:11	Glacipa.	SHAT Q	sml, md, who	L N.	0	
a	10:32	Hwy8	0		2	77	
1	10:34	HWY8	Ø		V	8	
•		7	3-2			- *	
4	10:37	Buston	0	see vol	N	0	
6	10:40	LOAD -	6			ON	
	10 10	1/A/II				- 77	
	-				-		
	J						<u> </u>

Quality Control: This for Signature:	This form is complete (& legible).	Signature:			
_	(Field Personnel)		(Project Manager)		
			REV: June-09	FORM 034	



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

Barn Swallow Observation Form

Stantec		51-5475			
Project Number 1609 50 443			Project Name: Frutland - Winona		
Date: July	10, 2013	again.	Field Personnel: _	D-Gral	nass
Weather Conditions:	Temp: 17-24c	Wind:	Cloud:	PPT:	PPT in last 24 hrs:

Survey	Time	GPS	#BARS	Type of	Accessible		
Station		Coordinates	observed	structure (e.g.	nesting sites		ests
				barn, culvert)	(Y or N)	Active	Inactive
	530,533	605 64785945	母	N.A.	Foragina	anly	
2	540-545	605685,4786087	/	N.A.	Faranine	only	01
4	615-620	606042, 4786009		N.A.	Foraging		
10	834-839	606501, 478542	8 6	N.A.	Farally	30/	
13	925-930	606896,47.85741	1	N.A.	Forgono	DIZ	
14	935-940	604866, 4783638	1	N.A.	Fording c	216	
15	945 950	66832 478551	<u> </u>	N.A.	Foraging	11-1-	
16	10°5-10°	66692 4785	/ 1	N.A.	Foracre	only	
17	1015-1020	607028,47854	48 /	N.A.	Farance	61/	
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Quality Control: This form is complete () & legible ().			
Signature:	Signature:		
(Field Personnel)		(Project Manager)	
		REV: June-09	FORM 034



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

Barn Swallow Observation Form

Stantec	. 4 (6.10) 600 2.100			
Project Number 60	950443	Project Name:	Fruitland.	Winora
Date: July la	2,2012	Field Personnel:	D. Grah	9n
Weather Conditions:	Temp: Wind:	Cloud:	PPT:	PPT in last 24 hrs:

	Survey	Time	GPS	# BARS	Type of	Accessible			
	Station		Coordinates	observed	structure (e.g.	nesting sites		ests	
			(4/2) 77		barn, culvert)	(Y or N)	Active	Inactive	, ,
Huy8		1233	60935209	0	Box colvert	N 8 . F 3	culvery to	53 veget	محارم مراحة
Hwy8	<u>a</u>	12 45	4783072	0	Corregated steelinest	N - too, small	no ledg	is, now or	structs
JORT	3	1300	4785 495	0	Box culport	NU- no leages	ve	spatract?	
Porten	4	1310	6066 07 86030	0	Corrugated steel	N - 100 Smell	dio Irde	es, veg.	spays50
morto	N 5	1323	4786219	Ô	unable to find a	my structure	when i	CONTSC	
Books	n 6	13 35	6056886313	D	Bocculier	N. no leda	ee, how	obstr	uets
Frudley	47	134	60 = 357 1785531	0	Bon cubert	N - 170		10	
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Signature:	Signature:		
(Field Personnel)		(Project Manager)	
		REV: June-09	FORM 034

Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON **Bobolink and Eastern Meadowlark** Canada N1G 4P5 Tel: (519) 836-6050 **Breeding Survey Form** Fax: (519) 836-2493 **Stantec** Project Number: 0950443 Project Name: /n Date: Field Personnel: TEMP (°C): WIND: CLOUD: PPT: PPT (in last 24 hrs): Weather Conditions: 17°C 20% 0

Please mark transect location on map and indicate areas of species observations on map

Transect No.:	Y	Habitat: NO SUITABLE HATEITAT (SUCCESSIONA
Start Time:		End Time:
Start Point UTM:		End Point UTM:
Species		Tally
Bobolink	0	
Eastern Meadowlark	0	
Transect No.: Start Time:	2	Habitat: NO SUITABLE HABITAT End Time:
And the second s	2	
Start Time:	2	End Time:
Start Time: Start Point UTM:	2	End Time: End Point UTM:
Start Time: Start Point UTM: Species	2	End Time: End Point UTM:

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7	(Field Personnel)	(Project Manager) REV: 2011-06-03 / FORM 014c

Transect No.:	3	Habitat: CROP FIELD (NOT SUITAR
Start Time:	06:4	End Time: (HABITAT)
Start Point UTM:		End Point UTM:
Species		Tally
Bobolink		
Eastern Meadowlark		
Transect No.:	Ц	Habitat: HAY FIELD (UNOUT)
Start Time:	06:22	End Time: 06:32
Start Point UTM:	0606019 4785708	End Point UTM: 0606132 4785774
N. J	0000017 9183708	0000.56 4133111
Species Bobolink	(PANR)	Tally
Eastern Meadowlark		
:astern Meadowlark	0	
Transect No.:	5 06: 39	End Time: 06:50
Start Point UTM:	0605944 4785773	End Point UTM: 06057353 4785841
pecies		Tally /
obolink	1 8	
astem Meadowlark	0	
g of		Quality Control: This form is complete 🚨 & legible 📮.
Signature:		Signature:
1	(Field Personnel)	(Project Manager) REV: 2011-06-03 / FORM 014c

Transect No.:	6	Habitat:	FIELD	
Start Time: 07:	31	End Time:	07:4	1
	SS01 4785499	End Point UTM:		4785606
Species		Tally		
Bobolink	1 68		***************************************	
Eastem Meadowlark	0			
			DRY/WR	IXED HAY/SONUS
Transect No.:	7	Habitat:	FIELD / N	NIXED HAY/SCAUR
Start Time:	8:16	End Time:	08:22	
Start Point UTM: 060 57		End Point UTM:	0605910	
Species		Taliy		
Bobolink	1 07			
Eastem Meadowlark	0			A
Transect No.:	8	Habitat:	WET MEADON	J3/FIELD
	8 8:35	Habitat:	WET MEADON	
Start Time:	8 8:35	End Time:	WET MEADON 08:4 0606046	5
Start Time: 05		End Time:	0814	5
Start Time:		End Time:	0814	5
Start Time: 05 Start Point UTM: 060 597	7 4785580	End Time:	0814	5
Start Time: 05 Start Point UTM: 060 597 Species Bobolink	0	End Time:	0814	5
Start Time: 05 Start Point UTM: 060 597 Species Bobolink	0	End Time:	0814	5
Start Time: 05 Start Point UTM: 060 597 Species Bobolink	0	End Time:	0814	5
Start Time: 05 Start Point UTM: 060 597 Species Bobolink	0	End Time:	0814	5
Start Time: 05 Start Point UTM: 060 597 Species Bobolink	0	End Time:	0814	5
Start Time: 058 Start Point UTM: 060 597 Species Bobolink Eastern Meadowlark	0	End Time: End Point UTM: Taily	08:4	4785562
Start Time: 05 Start Point UTM: 060 597 Species Bobolink	0 0	End Time:	08:4	4785562

REV: 2011-06-03 / FORM 014c

Stantec Consulting Ltd.

Stantec	1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493			and Eastern I eeding Survey	
Project Number:	6095044	3.	Project Nam	e: Hami Hon-	Fritand
Date:	June 25,	2012.	Field Personne		
Weather Conditions:	TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs):
Please mark trans	ID MIN X + ect location on map	- Hrunscet and indicate area		,	al-denne
Start Time: 00	- 4D		End Time:	V. (57)	gh depue of
	000612/0	178 5706	End Point UTM:)(0,50	10103
Species			Tally		
Bobolink	\mathcal{O}				
Eastern Meadowlark	ð				
-walk	ed transce	ts ymoy	Jh Aield -	no fame o	n ROBO
Sth/ Transect No.:	6.		Habitat:	um - high	
Start Time: O	7.00	85872	End Time: End Point UTM:	07:10.	TUS
Species			Tally		
Bobolink	0		ı aily		
Eastern Meadowlark	8	things of the state of the stat			
	1	40000000000000000000000000000000000000	1888 die makeinnen krieffenschild op Viktor op de Krieffenschild konst op de springeringen von de auszeiche St		

Pg. 1 of 1 Signature: MOM	Quality Control: This form is complete 🗖 & legible 🖫.	
Signature: / / / / / / / / / / / / / / / / / / /	Signature:	
(Field Personnel)	(Project Manager)	
dsg g:\resource\unternal info and teams\field forms\birds\breeding bird\form_014c_bobolink-and-eame_	REV: 2011-06-03 / FORI	M 014c

Transect No.: 7		Habitat:	wm
Start Time: 07:45		End Time:	07:55 -
	506/4785507	End Point UTM:	0 / / 0 0
Species		Tally	
Bobolink	0		
Eastern Meadowlark	Ø		
COGR/ RWBL.	- Mocks in field -		
Transect No.: 9 Start Time: 081.30 Start Point UTM: 06059		End Time:	cuw/cum.
Species		Tally	
Bobolink	o not	suitable	habitat -
Eastern Meadowlark		SISUCC. VI	
	9	2	
	4 pa	Aches d	mam:
Transect No.: 8 Start Time: 07:10 Start Point UTM: 0605 74	13/473580	Habitat: End Time:	WM. 7:20
Species		Tally	
Bobolink	Ø		
Eastern Meadowlark	Ø		
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Signature:		Signature:	,
	(Field Personnel)		(Project Manager) REV: 2011-06-03 / FORM 014c

Stantec Consulting Ltd.

Stantec	1 – 70 Sout Guelph, ON Canada N' Tel: (519) 8 Fax: (519) 8	1G 4P5 36-6050			and Eastern Neding Survey	
Project Num	ber: 160	9564	143	Project Name:	Fruitland-	Winona
	Date: Ju	Ty 10, 2	2012	Field Personnel:	D. Gra	han
		P (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs):
Weather Condition	15: 17-3	24°C	(10%	None	Light sain
Please mark tra	ansect locatio	on on map a	and indicate area	as of species obser	vations on map. Wheat field	4
Start Time:	613			End Time:	625	
Start Point UTM:	606042	47860	009	End Point UTM:		
Species				Tally		
Bobolink			Ø			
Eastern Meadowla	rk	***************************************	ø			
			-			

Station T ransect No.:	6				Habitat:	Cottoral meadow
Start Time:	645				End Time:	650
Start Point UTM:	60570	7,47858	372	End	Point UTM:	
Species					Tally	
Bobolink		3:	Two -	nales	1 fen	ale /juvesile
Eastern Meadowla	rk	Ø		7		46 // 100 / / -
ALL STATEMENT OF THE ST		***************************************				

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Signature:		Signature:	
	(Field Personnel)	· · ·	t Manager)
		REV	': 2011-06-03 / FORM 014c

The second

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

Birding Point Counts Survey Observation Form

CA.	
312	THE

Stalltet						
Project Number:	160950	443	Project Name:	Fruitland-Wi	MONE Secondary	
Date:	JUNE 11	2012	Field Personnel:	Dan Mrec.	MICHAEL	4
Veather Conditions:	TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs):	•

Station	n:			Featu	re: SPRUC	E PLANTATION/ FEARMUTM: 17 T. 0603665 4785945
Start Time	e: 5	: 26	n e	End Tin	1e: 5	T:31 SUCCESSION
Habita	t: U Fores	t / 🗆 Swamp	/ Marsh	_ / □Hay / □I	Pasture / 🗆	ICrop
pecies	<50m	50-100m	>100m	Flyovers	Height*	N FIED
YWAR	1	1				FISP
SIRCA			<u> </u>			
FISP			1			l ly as
						YWAR
						SPRYDE MANTATUON
						1 / ruan
						The same of the sa
						FIELD EDGE

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	(Field Personnel)		(Project Manager)
			REV: 2011-05-04 / FORM 020

Station:		2/		Featu	re: Spyl	OS: 46 SUCCESSIONS 17 T 0605685 SUCCESSIONS
Start Time:		0541		End Tin	ne:	OS: 46 SUCCESSIONIE
Habitat:	□ Fores	t / 🗆 Swamp	/ QMarsh	/ 🖸 Hay / 🖸	Pasture / 🔾	Сгор
pecies	<50m	50-100m	>100m	Flyovers	Height*	
EAKI						
MRO						
MGO	· · · · · · · · · · · · · · · · · · ·	2				
OSP	1					
ISP		1				
						AMGO SOSP FIST
						AMRO 50 10
						EAK!
						AM60
eight of blade	sweep will	vary from proje	ct to project: c	heck with proje t of blade swee	ct manager.	
Station:	3	eep; D- Well abo	ove height of b	Featur	e: 5000	DEO MIRA/EARLY UTM: 17 T 0605817 4786(18
Station:	3,05	eep; D-Well abo		Featur End Tim	e: 03	5:55 Succession
Station: itart Time: Habitat:	3,05	eep; D-Well abo		Featur End Tim	e: 000	Sicersijan Crop
Station: itart Time: Habitat:	3 05 ØForest	eep; D-Well abo	/ □Marsh /	Featur End Tim	e: 03	5:55 Succession
Station: Start Time: Habitat:	3 05 ØForest	eep; D-Well abo	/ □Marsh /	Featur End Tim	e: 000	Sicersijan Crop
Station: itart Time: Habitat:	3 05 ØForest	eep; D-Well abo	/ □Marsh /	Featur End Tim	e: 000	ST: 55 Succession
Station: itart Time: Habitat:	3 05 ØForest	eep; D-Well abo	/ □Marsh /	Featur End Tim	e: 000	Sicersijan Crop
Station: itart Time: Habitat:	3 05 ØForest	eep; D-Well abo	/ □Marsh /	Featur End Tim	e: 000	ST: 55 Succession
Station: start Time: Habitat:	3 05 DForest	eep; D-Well abo	/ □Marsh /	Featur End Tim	e: 000	ST:55 STEERSHON NOODEN ANGEL
Station: Start Time: Habitat:	3 05 DForest	eep; D-Well abo	/ □Marsh /	Featur End Tim	e: 000	ST: 55 STEERSHON WOODEN ANSA
Station: Start Time: Habitat:	3 05 DForest	eep; D-Well abo	/ □Marsh /	Featur End Tim	e: 000	ST: 55 STEERSHON NOODEN ANGEL
Station: Start Time: Habitat:	3 05 DForest	eep; D-Well abo	/ □Marsh /	Featur End Tim	e: 000	ST: 55 SUCCESSION NOODEN ANSA FISP GREA
Station: Start Time: Habitat:	3 05 DForest	eep; D-Well abo	/ □Marsh /	Featur End Tim	e: 000	ST: 55 SUCCESSION NOODEN ANSA FISP GREA
Station: Start Time: Habitat:	3 05 DForest	eep; D-Well abo	/ □Marsh /	Featur End Tim	e: 000	STESS SUCCESSION NOODEN ATTENDA FISP GREAT 50 10
Station: Start Time: Habitat:	3 05 DForest	eep; D-Well abo	/ □Marsh /	Featur End Tim	e: 000	ST: 55 SUCCESSION NOODEN PROSA FISP GREA
Station: Start Time: Habitat:	3 05 DForest	eep; D-Well abo	/ □Marsh /	Featur End Tim	e: 000	STESS SUCCESSION NOODEN ANSA FISP GREAT
Station: Start Time: Habitat: Habitat: SACA WSP	3 OS OF orest <50m	sep; D-Well about 50-100m	/ □Marsh / >100m	Featur End Tim UHay / UF Flyovers	e: OS Pasture / OC Height*	STESS SUCCESSION NOODEN ANSA FISP GREAT
Station: Start Time: Habitat: Habitat: USP Dight of blade son ground; A-B	3 OS OF orest <50m	Sep; D-Well about 150 of 50-100m	/ UMarsh / >100m	Feature End Time UHay / UF Flyovers	e: OS Pasture / OC Height*	STESS SUCCESSION NOODEN ATSEA FISP GREAT FISP
Station: Start Time: Habitat: Habitat: Start Time: Habitat: Habitat: Start Time: Habitat: Ha	3 OS OF orest <50m	Sep; D-Well about 150 of 50-100m	/ UMarsh / >100m	Feature End Time UHay / UF Flyovers	e: OS Pasture / OC Height*	STESS SUCCESSION NOODEN ATTENDA FISP GREAT 50 10
Station: Habitat: Habitat: Hight of blade son ground; A-Bove height of blade son gr	3 OS OF orest <50m I Weep will v elow height blade sweet	Sep; D-Well about 150 of 50-100m	/ UMarsh / >100m	Feature End Time UHay / UF Flyovers	e: OS Pasture / OC Height*	ST:SS SUCRISION NOOVEN PARSA FISP GREAT FISP SWSP
Station: Start Time: Habitat: ecies SISP MSP	3 2Forest <50m	Sep; D-Well about 150 of 50-100m	/ UMarsh / >100m	Feature End Time UHay / UF Flyovers	e: OS Pasture / OC Height*	ST: 55 SUCCESSION NOODEN ATOMA FISP GREAT FISP FISP

Station):	4		Featu	re: CRO	P FIRED	UTM: Y/ \ U	0060
Start Time	: 0	6:04		End Tin		:09		000
Habitat		t / 🗆 Swamp	/ @Marsh	_ /				
pecies	<50m	50-100m	>100m	Flyovers	Height*		, E	
SOSP		l						
MRO	1	1						FI
FISP							508P	
7WBL		2					/ / Ru	NBL
						5 /		\
						S Am	RO /	
						E HAN		1
						9 W	•	50
						FIELD	1 / SU FIELD	
Santa V						E 3/	A BARLEY FIELD	
es.						\		
							\ 1	
feight of blade	e sweep will	vary from project	ct to project; o	check with project	ect manager.		11	/
bove height	of blade swe	ep; D-Well abo	ive height of b	alade sweep			FISP	
Ctat!				P *:: - 4			17 T AG	2601
Station	5			Featu	re: OPEn	I FIELD	UTM: (7 T 06)	0601 85 7 0
		6:17		Featur	UIER	1 FIELD 06:22	UTM: (7 T 06)	0601' 8 5 7 0
Start Time	<u></u>	6: 17 / □ Swamp	/ QMarsh	End Tim	1e:	6:22	UTM: (7 T 06)	0601' 8 5 7 0
Btart Time Habitat	<u></u>		/	End Tim	1e:	6:22		0601 8 5 7 0
Habitat ecies	: ©Forest	/ DSwamp		End Tim	Pasture / 🗆 (6:22	N	0601 8 5 7 0
Habitat Hecies	: ©Forest	/ 🗆 Swamp		End Tim	Pasture / 🗆 (6:22		0601 8 5 7 0
Habitat ecies SICA	: □Forest	/ DSwamp		End Tim	Pasture / 🗆 (6:22	GRCA	857c
Habitat Habita	: ©Forest	/ DSwamp		End Tim	Pasture / 🗆 (6:22	N	857c
Start Time Habitat Decies GRAA SOSP BOBO	: □Forest	/ DSwamp		End Tim	Pasture / 🗆 (6:22	GRCA	857c
Start Time Habitat Decies GRCA SOSP BOBO	: □Forest	/ DSwamp		End Tim	Pasture / 🗆 (6:22	GRCA	857c
Start Time Habitat Decies GRCA SOSP BOBO	: □Forest	/ DSwamp		End Tim	Pasture / 🗆 (6:22	GRCA	857c
Start Time Habitat Decies GnRCA SOSP BOBO	: □Forest	/ DSwamp		End Tim	Pasture / 🗆 (6:22	GRCA SOSP RWBL	
Start Time Habitat Decies GRAA SOSP BOBO	: □Forest	/ DSwamp		End Tim	Pasture / 🗆 (6:22	GRCA SOSP RWBL	
Start Time Habitat Decies GRAA SOSP BOBO	: □Forest	/ DSwamp	>100m	End Tim	Pasture / 🗆 (6:22	GRCA	
Start Time Habitat Pecies GnCA SOSP BOBO RWBL	: □Forest	/ DSwamp	>100m	End Tim	Pasture / 🗆 (6:22	GRCA SOSP RWBL	\
Start Time Habitat Decies GnRCA SOSP BOBO RWBL	: □Forest	/ DSwamp	>100m	End Tim	Pasture / 🗆 (6:22	GRCA SOSP RWBL	\
Start Time Habitat pecies GnCA SOSP BOBO RWBL	: □Forest	/ DSwamp	>100m	End Tim	Pasture / 🗆 (6:22	GRCA SOSP RWBL	\
Start Time Habitat Pecies GNUA SOSP BOBO RWBL	Signature of the state of the s	50-100m 2	>100m	End Tim	Height*	6:22	GRCA SOSP RWBL RWE	
Start Time Habitat Decies GnRCA SOSP BOBO RWBL Height of blade On ground; A	Superposition of the superposi	7 □Swamp	>100m	End Tim / WHay / OF Flyovers heck with project of blade swee	Height*	6:22	GRCA SOSP RWBL	
Habitat Habitat Decies GREA SOSP BOBO RWBL Height of blade On ground; A	Superposition of the superposi	50-100m 2	>100m	End Tim / WHay / OF Flyovers heck with project of blade swee	Height*	6:22	GRCA SOSP RWBL RWE	
Start Time Habitat Decies GnRCA SOSP BOBO RWBL Reight of blade On ground; A- Above height	Signature of the same of the s	50-100m 2	>100m	End Tim / WHay / OF Flyovers heck with project of blade swee	Height*	06: 72 Crop	GRCA SOSP RWBI RWBI SOSP	50
Start Time Habitat Pecies GnRCA SOSP BOBO RWBL Addition of blade On ground; A	Selow heigh of blade swe	50-100m 2	>100m	End Tim / WHay / OF Flyovers heck with project of blade swee	Height*	06: 72 Crop	GRCA SOSP RWBL RWE	50

Station:	6	2		Featu	ire: F	LAYFIEL		U	TM: 77	0605709	
Start Time:	06	S: 54		End Tir		06:59		-			
Habitat:			/ DMarsh	/ WHay / 🗆	Pasture			•			
Species	<50m	50-100m	>100m	Flyovers	Heigh	t*			S		
YWAR	:							sos?		YWAR	
SOSP		1	1				S	, 051	_		
RWBL		2								RWBC	
Bobo		1						Bo	Bo		
										YWA	77 T
							1 .	/		\	- 1
							RWBL		i i	50	10
								\		/	- 1
							\				
						- RWEL	. \				
Height of blade s	liw neews	vary from proje	ct to omiect:	check with omis	ct manage	or .					
On ground; A-Bi -Above height of	lelow heig	ht of blade swee	ep; B-At heigh	ht of blade swee	ep;				SOSP		
r Boro Hoight of	Didde Sin	oop, is won aso	ve neight of t	Jauc Sweep							
6										24 2 21 172	
Station:	-	7		Featur	re: (,	1000		UT	M: ITT	0605472	
		7		Featur		1000Lot		UT	M: 177	4785472	
Start Time:		7 : 22		End Tim	ie: C	7:27		UI	M: 137	4785472	
Start Time:		-	/ □Marsh		ie: C	7:27		UT	M: 177	4785472	
Start Time: Habitat: ©		-	/ □Marsh / >100m	End Tim	ie: C	7:27 □Crop		UI		4785472	
Start Time: Habitat: ©	⊒Forest	/ □Swamp	***************************************	End Tim	Pasture /	7:27 □Crop		UI	M: 137	4785472	
Start Time: Habitat: ©	⊒Forest	/ □Swamp	***************************************	End Tim	Pasture /	7:27 □Crop		UI		478547Z	
Start Time: Habitat: 5 Species < RWSU RWSU	⊒Forest	/ □Swamp	***************************************	End Tim	Pasture /	7:27 □Crop		UT		4785472	
Start Time: Habitat: 5 Species < RWSU RWSU	⊒Forest	/ □Swamp	***************************************	End Tim	Pasture /	7:27 □Crop				978547Z	
Start Time: Habitat: 5 pecies RMGO RWBU OGR	⊒Forest	/ □Swamp	***************************************	End Tim	Pasture /	7:27 □Crop	Pu			4785472	
Start Time: Habitat: 5 Species < RWGO RWBL LOGR SOSP NOCA	⊒Forest	/ □Swamp	***************************************	End Tim	Pasture /	7:27 □Crop	PM PM	NGO		4785472	\
Start Time: Habitat: 5 Species < RWGO RWBL LOGR SOSP NOCA	⊒Forest	/ □Swamp	***************************************	End Tim	Pasture /	7:27 □Crop	PM	NGO		4785472	
Start Time: Habitat: 5 pecies < RMGO RWBL LOGR SOSP JOCA	⊒Forest	/ □Swamp	***************************************	End Tim	Pasture /	7:27 □Crop				478547Z	is p
Start Time: Habitat: 5 Pecies RMGO RWBL LOGIR JOSP JOCA	⊒Forest	/ □Swamp	***************************************	End Tim	Pasture /	7:27 □Crop		NGO		478547Z RWBL SOS	- 1
Start Time: Habitat: 5 Pecies RMGO RWBL LOGIR JOSP JOCA	⊒Forest	/ □Swamp	***************************************	End Tim	Pasture /	7:27 □Crop	AMRO (NGO		478547Z	- 1
Start Time: Habitat: 5 pecies < RMGO RWBL LOGIR JOSP JOCA	⊒Forest	/ □Swamp	***************************************	End Tim	Pasture /	7:27 □Crop		NGO		478547Z RWBL SOS	- 1
Start Time: Habitat: 5 pecies < RMGO RWBL LOGIR JOSP JOCA	⊒Forest	/ □Swamp	***************************************	End Tim	Pasture /	7:27 □Crop		NGO		478547Z RWBL SOS	- 1
Start Time: Habitat: 5 Species < RWGO RWBL LOGR SOSP NOCA	⊒Forest	/ □Swamp	***************************************	End Tim	Pasture /	7:27 □Crop	AMRO (NGO (COG F		478547Z RWBL SOS	- 1
Start Time: Habitat: 5 Species < PAMGO RWBL LOGR SOSP NOCA AMRO	Som	/ □Swamp	>100m	End Tim	Pasture /	7:27 □Crop		NGO (COG F		478547Z RWBL SOS	10
Start Time: Habitat: 5 Species RW80 RW80 SOSP NOCA Height of blade sy	SForest <50m	50-100m 50-100m I I I I I I I I I I I I I	>100m	End Time / UHay / UF Flyovers	Pasture / Height	7:27 □Crop	AMRO (NGO (COG F		478547Z RWBL SOS	- 1
Start Time: Habitat: 5 Species RWBU LOGIR JOSP NOCA Height of blade sw- On ground; A-Be	Som Som weep will a lelow height	50-100m	>100m	End Time / OHay / OF Flyovers heck with project of blade swee	Pasture / Height	7:27 □Crop	AMRO (NGO (COG F		478547Z RWBL SOS	- 1
Start Time: Habitat: 5 Species RWBL JOGR JOSP NOCA Height of blade sw-On ground; A-Be	Som Som weep will a lelow height	50-100m	>100m	End Time / OHay / OF Flyovers heck with project of blade swee	Pasture / Height	7:27 □Crop	AMRO (NGO (COG F		478547Z RWBL SOS	- 1
Start Time: Habitat: 5 Species < RWGO RWBL LOGR SOSP NOCA	Som <50m weep will allow heigh blade sweeth	50-100m	>100m	End Time / OHay / OF Flyovers heck with project of blade swee	Pasture / Height	7:27 Crop	AMRO NOCA	NGO COGI		478547Z	- 1
Habitat: 5 Pecies RMGO RMGO AMRO Height of blade swon ground; A-Be-Above height of the swon at t	<50m	50-100m	>100m	End Time / OHay / OF Flyovers heck with project of blade swee	Pasture / Height	O7: 27 Crop * Quality Co	AMRO (NGO COGI		478547Z	- 1

	n:	8		Featu	re: CPE	TELD/W	TETLAND N	1 X UTM: V	7T 0605	79°S
Start Time	e: 08	5:08		End Tin	ne: OS	3:13				
Habita		t / 🗆 Swamp	/ DMarsh	/						
Species	<50m	50-100m	>100m	Flyovers	Height*]		N	ī	
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3080										NOCA
RUBL										
COYE	- 1					1	/ 8	ু হত		
RWBL		2				1	RWBI			`
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leight of blac	le sweep will	vary from projec	ct to project: d	heck with proie	oct manager.	1				FA
		ht of blade swee eep; D-We ll abo			ep;					'
n 1									-	<i>§</i>
Station	ı: (7		Featu			<i>'</i>	UTM: 17	T 06059	174
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):30	/ DMarsh	- End Tim	ie: 0	8:35	FIELD		478SS	91
Habitat	: □Forest	/ □Swamp		End Tim	Pasture / 🖸	8:35	FIELD	O1m	478SS	
Habitat			/ □Marsh /	- End Tim	ie: 0	8:35	FIELD	S	478SS	91
Habitat	: □Forest	50-100m		End Tim	Pasture / 🖸	8:35		S	478SS	91
Habitatoecies PSP	: □Forest	/ □Swamp		End Tim	Pasture / 🖸	8:35	FIELD	S	478SS	91
Habitat	: □Forest	50-100m		End Tim	Pasture / 🖸	8:35	FISP	S		71
Habitatopecies PISP RWBL SOSP	: □Forest	50-100m		End Tim	Pasture / 🖸	8:35	FISP	S	(WAR	
Habital Decies PSP WBL SOSP WAR HMRO	: □Forest	50-100m		End Tim	Pasture / 🖸	8:35		S	(WAR	nro
Habitation	: □Forest	50-100m		End Tim	Pasture / 🖸	8:35	FISP	S	(WAR	
Habitation	: □Forest	50-100m		End Tim	Pasture / 🖸	8:35 Crop	FISP	S	(WAR	nko
Habitation	: □Forest	50-100m		End Tim	Pasture / 🖸	8:35 Crop	FISP	S	WAR AN	NRO BRTH
Habitatore PSP RWBL SOSP WAR AMRO BRTH	: □Forest	50-100m		End Tim	Pasture / 🖸	8:35 Crop	FISP	S	WAR AN	nko
Habitation	: □Forest	50-100m		End Tim	Pasture / 🖸	8:35 Crop	FISP	S	WAR AN	NRO BRTH
Habitatore PSP RWBL SOSP WAR AMRO BRTH	: □Forest	50-100m		End Tim	Pasture / 🖸	8:35 Crop	FISP	S	WAR AN	NRO BRTH
Habitation	: □Forest	50-100m		End Tim	Pasture / 🖸	8:35 Crop	FISP	S	WAR AN	NRO BRTH
Habitatore PSP RWBL SOSP WAR AMRO BRTH	: □Forest	50-100m		End Tim	Pasture / 🖸	8:35 Crop	FISP	S	WAR AN	NRO BRTH
Pecies PISP RWBL SOSP RWAR AMRO BRTH AMGO	<50m	50-100m 2	>100m	End Tim	Pasture / Height*	8:35 Crop	FISP	S	WAR AN	NRO BRTH
Habitation of blade On ground; A	<50m	50-100m	>100m	End Tim / ①Hay / ①F Flyovers heck with project of blade swee	Pasture / Height*	8:35 Crop	FISP	S	JWAR AV	NRO BRTH
Habital Decies PSP WBL SOSP WPR MRO SRTH MGO Delight of blade On ground; A	<50m	50-100m 2	>100m	End Tim / ①Hay / ①F Flyovers heck with project of blade swee	Pasture / Height*	8:35 Crop	FISP	Sosp	JWAR AV	NRO BRTH
Habital pecies PSP CUBL SOSP CUAR AMRO SRTH AMGO leight of black On ground; A Above height	<50m	50-100m 2	>100m	End Tim / ①Hay / ①F Flyovers heck with project of blade swee	Pasture / Height*	8:35 Crop	FISP RWBL SOSP	Sosp	JWAR AN	BRTH 50
Habital Decies PSP RUBL SOSP RUPAR HMRO SRTH HMGO On ground; A Above height	<50m	50-100m 2	>100m	End Tim / ①Hay / ①F Flyovers heck with project of blade swee	Pasture / Height*	& : 35 Crop	FISP RWBL SOSP	Sosp	John AV	BRTH 50
Habitation of blade On ground; A	<50m	50-100m 2	>100m	End Tim / OHay / OF Flyovers heck with project of blade sweep	Pasture / Height*	8:35 Crop	FISP RWBL SOSP	Sosi AMG	John AV	BRTH 50

Station	:	0		Featu	re: WOOD	ED AMER ADJACENT TO UTM: VIT 0606801
Start Time	: 00	1:13		End Tir		09:18 Spilly Files
Habita		t / OSwamp	/ @Marsh	_ / □Hay / □	Pasture / 0	09:18 SOCIETY FELDS 4785428 OPER 88 4
Species	<50m	50-100m	>100m	Flyovers	Height*	W SOSP 6
BMRS	1	4				3031
AMRO			1			8//
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-On ground; A	-Below heigi	vary from proje ht of blade swee eep; D-Well abo	ep; B-At heigh	t of blade swee	ect manager. ep;	FISP
Station:				- A		11TM: 17T 0606387
			· · · · · · · · · · · · · · · · · · ·			OT W SMALL CARRY UTM. 4785485
Start Time:		09:26		End Tim		99:31
Habitat:	T Forest	/ □Swamp	/ Marsh /	□Hay / □F	Pasture / 🗆	Crop
pecies	<50m	50-100m	>100m	Flyovers	Height*	
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On ground; A-	Below heigh	vary from project t of blade swee	p; B-At height	of blade swee	ct manager. p;	Sosp
On ground; A-	Below heigh	vary from project t of blade swee ep; D-Well abov	p; B-At height	of blade swee	ct manager. p;	Sosp
On ground; A-	Below heigh If blade swe	t of blade swee	p; B-At height	of blade swee	ct manager. p;	
On ground; A- Above height o	Below heigh If blade swee	t of blade swee	p; B-At height	of blade swee	ct manager. p;	Quality Control: This form is complete & legible . Signature:



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

Birding Point Counts Survey Observation Form

-	
Sta	nother.

Fax: (519) 836-2493 Project Number:

Date:

Project Name: Hami

Field Personnel:

Weather Conditions:

WIND:

CLOUD: 100% PPT:

PPT (in last 24 hrs): rainovenight

Station:

Feature:

ripanan covidor

UTM:

Start Time: 06'.00

End Time:

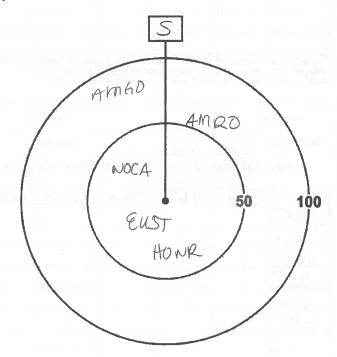
Habitat: □Forest / □Swamp / □Marsh / □Hay / □Pasture / □Crop

Species	<50m	50-100m	>100 m	Flyovers	Height*
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61159	1				
HOWR	- 1				
Ampo		1		11	
NOCA	1				
		-150			11-
			- 1 91		14.00
		1 11		F/17_	
			~		
				-	

^{*}Height of blade sweep varies 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 height of blade sweep



Page _	_of_2
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Signature:

(Field Personnel)

Quality Control: This form is complete \(\bigcup \& \text{legible } \bigcup .

Signature:

(Project Manager)

Station	: 13		THE PARTY	0 0 6 8° Featu		-			UTM:			
Start Time	: 06	30		End Tin	ne: 06	35		W810 F	·	#	17	
Habitat			/ 🗆 Marsh	 /				1.0-4-11		6		
pecies	<50m	50-100m	>100m	Flyovers	Height*			(FOD	\ P	7.		
TRFS	\5011	30-10011	~100m	4	Height	1		1 HOLD) [
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MODO				~		200		B	400			RBGU
SUSP						7		7	rigida.			\
SANS	1					3						
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						11	10	1-1-	· ·	NS.	50	10
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eight of blade	e sween will	vary from omie	ct to pmiect:	heck with proje	ect manager	J						
On ground; A	-Below heigh		ep; B-At heigh	nt of blade swe								
tbove rieigni	OI DIQUE SWE	ep, a-ven ao	ove ueiðir or r	nada sweeh								
												~/
Station	: 111			Featu	re:				UTM: i	77	へんのん	n XIAI
Station		11v 11v		Featu					UTM: j	77 (3606	0860
Start Time:	06	.56		End Tim	ne: ~	7:01		-		77 (9606	826
Start Time:	06°	/ □Swamp		_	ne: ~	7:01 Crop	-014	-		77 (9606 47	826
Start Time: Habitat	06°	1 - Swamp	10	End Tim	ne: ~	7:01 Crop	etha niper	-		77 (97	826
Habitat	06°	/ □Swamp		End Tim	ne: ~	7:01 Crop Cnok press	etha nt perc	-		77 (W 80	9606 47	826 0860
Habitat	06°	1 - Swamp	10	End Tim	ne: ~	Crop Cnok presu on w	etha ntpend ocalam to poin	-		77 (W 80	9606 47	826
Habitat:	OG OForest <50m	1 - Swamp	10	End Tim	ne: ~	Crop Cnok presu on w prior	etha ntpend noclam to poin	-		17 (W 80	9606 47	0866
Habitat: Habitat: Am(R- LRUI) Am(6)	06°	1 - Swamp	10	End Tim	ne: ~	Crop Cnok prest on w prid	etha ntpeno ocallam to poin	-	ple) [E	w 80	97	826
Habitat: Habita	OG OForest <50m	1 - Swamp	10	End Tim	ne: ~	Crop Cnok prest on w prior	etha ntpend nocalam to poin	hed se	ple) [E	W BO	47	0866
Habitat: Habitat: ecies AM(R- LRU) AM(R) SNSP SAVS	OG OForest <50m	1 - Swamp	10	End Tim	ne: ~	Crop Cnok prest on w prid	etha ntpend nocalam to poin	-	ple) [E	w 80	97	0866
Habitat: Habita	OG OForest <50m	1 - Swamp	10	End Tim	ne: ~	Crop Cnok prest on w prid	etha ntpend nocalam to poin	hed se	ple) [E	w 80	97	0866
Habitat: Habitat: ecies AM(R- LRU) AM(R) SNSP SAVS	OG OForest <50m	1 - Swamp	10	End Tim	ne: ~	Crop Cnok prest on w prid	etha ntpend nocalam to poin	hed se	ple) [E	w 80		0866
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Habitat: Hab	OG OForest <50m	1 - Swamp	10	End Tim	ne: ~	Crop Cnok prest on w prid	etha ntpend nocalam to poin	hed se	ple) [E	W BO	·	
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Habitat: Hab	OG OForest <50m	1 - Swamp	10	End Tim	ne: ~	Crop Cnok press on w prior FOD	etha ntpend nocalam to poin	hed se	ple) [E	W BO	·	
Habitati ecies AM(R- LRJ) AM(C) SOSP SAVS GHO	Sprorest Sprorest Som	USwamp	>100m	End Tin	Pasture / C	Crop Cnok prest on w prid	etha ntpend nocalam to poin	hed se	ple) [E	W BO	50	0866 836
Habitat: Habitat: Habitat: Habitat: Habitat: Habitat: HAMEO SOSP SAVS GHOO HAMEO Bight of blade In ground; A	Sweep will Below heigh	Swamp	>100m	End Tirr	Pasture / C Height*	Crop Cnok press on w prior FOD	etha ntpend nocalam to poin	hed se	ple) [E	W BO	50	
Habitat: Habitat: CRUI CRUI CANI CANI	Sweep will Below heigh	Swamp	>100m	End Tirr	Pasture / C Height*	Crop Cnok press on w prior FOD	etha ntpend nocalam to poin	hed se	ple) [E	W BO	50	
Habitat: Habita	Sweep will Below heigh	Swamp	>100m	End Tirr	Pasture / C Height*	Crop Cnok press on w prior FOD	etha ntpend nocalam to poin	hed se	ple) [E	W BO	50	
Habitat: Habita	s sweep will Below heigh of blade sweep	Swamp	>100m	End Tirr	Pasture / C Height*	Crop Cnok prese on w prior FOD	etha nt percoalam to poin	mcle	ple DET	NEW! AMA	SAUS	
Habitat: Habita	e sweep will Below heigh of blade swe	Swamp	>100m	End Tirr	Pasture / C Height*	Crop Cnok press on w prior FOD	etha ntpend nocalam to poin	mcle	ple DET	NEW! AMA	SAUS	

	n:	5	M	Featu	re:	UTM: 17T 0606.83
Start Tim	e: 07	: 15		End Tin	ne: O	7:20. UTM: 177 0606 83? 47855 15
Habita	at: OFores	t / □Swamp	/ @Marsh	_ / □Hay / □{		
Species	<50m	50-100m	>100m	Flyovers	Height*	
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RWBL	2	1	-	2		SWT
ALPL	4711	-1.4				, LAND
BAOR		9 - 1 20 -				ALC 10 WO
eb64			-	1		YOUA ALL RUBO
>OSP		(12 55		
SAVS	4			121		RMB VZ. 184
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	4					Sour.
	17					orch SAUS ERUS
						IAIL /
		1				SAVS
leight of bla	de sweep will	vary from project	ct to project; c	heck with proje	ct manager.	
Habita	t: OForest	Swamp low h	/ Marsh /	□Hay / □P	asture / 🗆	7°,45 4785671 crop
pecies	<50m	50-100m	>100m	Flyovers	Height*	
2011						[
BUJA		hal				\square
BHO	200 (100					SOD
BHOO						500 BUSA
NOCA						PEEVI.
						PEEVI.
NOCA						FOD BUSA ROCA
NOCA						PEEVI.
NOCA	K					BHLO ALOCA
NOCA						BEVI AVOCA
NOCA	<u>, </u>					REVIO ALOCA 50
NOCA						REVIO ALOCA 50
NOCA	K					REVIO Avora
NXA AMC	le sweep will y	rary from project of hiada supp	if to project; cf	eck with project	† manager	REVIO Avora
NOCA AM Height of blac On ground; A	le sweep will u	rary from project of blade swee, ep; D-Well abov	o: B-At height	eck with projec	† manager	REVIO Avora
NOCA AM Height of blac On ground;	le sweep will u	t of blade swee	o: B-At height	eck with projec	† manager	REVIO Avora
Ammaleight of blad On ground; Above height	le sweep will u A-Below heigh a of blade swe	t of blade swee	o: B-At height	eck with projec	† manager	Centre Auce.
Amo	le sweep will under the sweep will under the sweep will under the sweep will under the sweep will be sweep will under the sweep will un	t of blade swee	o: B-At height	eck with projec	† manager	Quality Control: This form is complete & legible Auca Amck Amck Amck Alegible
Height of blad On ground; A Above height	le sweep will under the sweep will under the sweep will under the sweep will under the sweep will be sweep will under the sweep will un	t of blade swee	o: B-At height	neck with project of blade sweep	† manager	Centre Auce.

esca - Ja

	1, 11					
Station:	7 - 0	mmun	Featur	re:	The second second	UTM: 060702
Start Time: O	7:50		End Tim		:55	UTM: 060702 4785448
Habitat: OF ore		/ Marsh	_ / □Hay / □F			
pecies <50m	50-100m	>100m	Flyovers	Height*	alifett gran	S
oca.						
nro 1						
RCA 1					FOD.	WAU AMRO
tcd				200 500E		WAU AMRO
X6R 1						
AVI	1 - 1		The No.		Noc	A /
n60	778		a			
					0	miko / /
				1 - 1		50 Cak
			THE		10	1 / 4
11/18					(numpa	v
					frees!	CHEO DE
						THE
sove height of blade so	weep, b-well abo	ove neight of t	ade sweep			
Station:			Factor			1.49PM.M.
Start Time:	st / DSwamn	/ DMarsh	Featur End Tim	ie:	Cmp	UTM:
Habitat: OFore			End Tim	e: Pasture / 🗆	Crop	UTM:
art Time: Habitat: □Fore	st / USwamp	/ 🗆 Marsh /	End Tim	ie:	Сгор	UTM:
art Time: Habitat: □Fore			End Tim	e: Pasture / 🗆	Crop	UTM:
art Time: Habitat: □Fore			End Tim	e: Pasture / 🗆	Crop	UTM:
Habitat: □Fore			End Tim	e: Pasture / 🗆	Crop	UTM:
art Time: Habitat: □Fore			End Tim	e: Pasture / 🗆	Crop	UTM:
art Time: Habitat: □Fore			End Tim	e: Pasture / 🗆	Crop	UTM:
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Habitat: □Fore			End Tim	e: Pasture / 🗆	Crop	UTM:
Habitat: □Fore			End Tim	e: Pasture / 🗆	Crop	
Habitat: □Fore			End Tim	e: Pasture / 🗆	Сгор	UTM:
Habitat: □Fore			End Tim	e: Pasture / 🗆	Crop	
Habitat: □Fore			End Tim	e: Pasture / 🗆	Сгор	
Habitat: □Fore			End Tim	e: Pasture / 🗆	Crop	
Habitat: ☐Fore			End Tim	e: Pasture / 🗆	Crop	
Habitat: ☐Fore	50-100m	>100m	End Tim / DHay / DF Flyovers heck with projet of blade sweet	Pasture / 🗆 Height*	Сгор	
Habitat: □Fore: Habitat: □Fore: ecies <50m hight of blade sweep win ground; A-Below helphove height of bl	50-100m	>100m	End Tim / DHay / DF Flyovers heck with projet of blade sweet	Pasture / 🗆 Height*		50
Habitat: ☐Fore: Habitat: ☐Fore: Indicate: ☐Fore: Habitat: ☐Fore: Habit	50-100m	>100m	End Tim / DHay / DF Flyovers heck with projet of blade sweet	Pasture / 🗆 Height*	Quality Control: Th	
Habitat: ☐Fore: cies <50m ight of blade sweep win ground; A-Below helphove height of blade sweep windowe windowe windowe height of blade sweep windowe windowe windowe windowe windowe w	50-100m	>100m	End Tim / DHay / DF Flyovers heck with projet of blade sweet	Pasture / 🗆 Height*		50



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

Birding Point Counts Survey Observation Form

	Contage 1410 4
	Tel: (519) 836-66
Stanta -	Fax: (519) 836-2

Stantec	Fax: (519) 836-2493				
Project Number:	6095044	3	Project Name:	Hamilton	-fruitland
Date:	June 25,20	12 05.30	Field Personnel:	M. Kopys	
	77110 (00)				
Weather Conditions:	TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs):
Weather Conditions:	16120	2-3	100%	$\not \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$	rail
		(Ther. to 4 by			

(Ther. to 4 by

GPS #: T

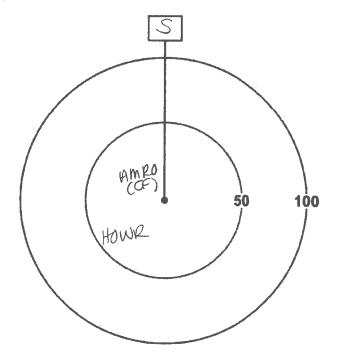
Station: 12	Feature:	UTM: (17
Start Time: 05 30	End Time: 05 35	0605692
Habitat: OForest / OSwamp / OF	Marsh / DHay / DPasture / DCrop	4786278

Species	<50m	50-100m	>100m	Flyovers	Height*
AMCIZ					
AMCIR HOWR					
1,0000	· · · · · · · · · · · · · · · · · · ·				
					

^{*}Height of blade sweep varies 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 height of blade sweep



Page ____ of ____ Signature:

(Field Personnel)

Quality Control: This form is complete . & legible .

Signature:

(Project Manager)

	: <u>2</u>		*= 1	Featu	ire:		UTM: See Round 1
Start Time	: 05:	58		End Tin	ne: 06	603	
			o / 🗆 Marsh	/ □Hay / □		lCrop ,	
Species	<50m	50-100m	>100m	Flyovers	Height*	shub/succ.	N
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3HCO	Ì						
ewsl	ı	1				1	etit
COGR	U	1 1		5			
AMRO		= \			-		Kan 1
SOSP	1						RWBL
		1111			N. II	1 /	KWBL /
		-				Publ (8	HCO \
						1 VIUS	\$05P 50
						1 \	
C-Above height Station:		ep; U-vveii abo	ove neight of t	Featu			
Stations	. [
Start Time:	07	:15		- End Tim		7:20 :	UTM: SCL VOING
		~~~	/ □Marsh	-	ne:	7:20 ·	
Habitat:		~~~	/ □Marsh /	End Tim	ne:		
Habitat:	□Forest	/ □Swamp		End Tim	Pasture / 🗆	_	
Habitat: Species COGIE.	□Forest	/ □Swamp		End Tim	Pasture / 🗆	_	./
Habitat: Species COGIE INCXA	□Forest	/ □Swamp		End Tim	Pasture / 🗆	_	./
Habitat: Species COGIE INCCA	□Forest	/ □Swamp		End Tim	Pasture / 🗆	_	1 S COGRAZ
Habitat: Species COGIE INCXA	□Forest	/ □Swamp		End Tim	Pasture / 🗆	_	
Habitat: Species COGL INCXA LINBL GREA GALL AMED	□Forest	/ □Swamp		End Tim	Pasture / 🗆	cum.	S COGERA
Habitat: Species COGIC INCXA	□Forest	/ □Swamp		End Tim	Pasture / 🗆	cum.	NOCA COGERA
Habitat: Species COGL INCXA LINBL GREA GALL AMED	□Forest	/ □Swamp		End Tim	Pasture / 🗆	cum.	NOCA COGERA
Habitat: Species COGIE INCCA LINGL GREA GALI AMED	□Forest	/ □Swamp		End Tim	Pasture / 🗆	cum.	NOCA COGERA
Habitat: Species COGIE INCCA LINBL GREA- GALI AMED	□Forest	/ □Swamp		End Tim	Pasture / 🗆	cum.	S COGERA
Habitat: Species COGIE INCCA LINBL GREA- GALI AMED	□Forest	/ □Swamp		End Tim	Pasture / 🗆	cum.	NOCA COGERA
Habitat: Species COGIE INCCA LINBL GREA- GALI AMED	□Forest	/ □Swamp		End Tim	Pasture / 🗆	cum.	NOCA COGERA
Habitat: Species COGIE INCCA RUNBL GIECA GAKI AMED 3 HCO	<50m	7 □Swamp  50-100m	>100m	End Tim	Height*	cum.	WOCA COGRAZ  WOCA EWBL  GRECA AMED  150
Habitat:  Species  COGIE  INCLA  RUNBL  GIECA  GALI  AMED  3 HCO  Height of blade  On ground: A-	<50m	50-100m  2  Interpretation of blade sweet	>100m	End Tim / OHay / OF Flyovers	Height*	cum.	NOCA COGERA
Habitat: Species COGIE INCLA LINBL GIECA GALI AMED 3 HCO Height of blade	<50m	50-100m  2  Interpretation of blade sweet	>100m	End Tim / OHay / OF Flyovers	Height*	cum.	WOCA COGRAZ  WOCA EWBL  GRECA AMED  150
Habitat:  Species  COGIE  INCCA-  RINGL  GAKI  AMED  3 HCO  Height of blade  On ground; A-  Above height of	<50m	50-100m  2  Interpretation of blade sweet	>100m	End Tim / OHay / OF Flyovers	Height*	cum.	WOCA COGRAZ  WOCA EWBL  GRECA AMED  150
Habitat:  Species  COGIE  INCLA  LINBU  6NCA  AMED  3 HCO  Height of blade  On ground; A-  Above height of	<50m	50-100m  2  Interpretation of blade sweet	>100m	End Tim / OHay / OF Flyovers	Height*	cum.	WOCA RUBL AMED BHLD
Habitat:  Species  COGIE  INCLA  RUNBL  GIECA  GALI  AMED  3 HCO  Height of blade  On ground: A-	<50m	50-100m  2  Interpretation of blade sweeps D-Well about	>100m	End Tim / □Hay / □F  Flyovers	Height*	cum.	WOCA RUBL AMED BHLD

Station	: 5			Featu	ıre:			UTM:	5/1 (0)	und 1
Start Time	: B/-	:35	0	— End Tir	ne: 💍	:40			see ro	(
Habitat				 / □Hay / □				~0	10 15/41	Ž
Species	<50m	50-100m	>100m	Flyovers	Height*	1		C	7	
GREA		1				1 , ,		무		
YENA		2		1		shoot suce.				
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elle	5					1 200			Your	
TRES				1	Ī	1		-	YEUA	
			5.60/ET 45.1-ET			1 /	GKCA			
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Height of blade	sweep will	vary from projec	ct to project; o	heck with proje	ct manager.	J		VO.	ıA	
O-On ground; A-Above height	of blade swe	ep; D-Well abo	ep; <b>B</b> -At height we height of t	nt of blade swee plade sweep	ep;			YEN	" <i>-</i>	
									The state of the s	
Station:	6			Featur	re:			UTM:	u Row	107
		55		Featur - End Tim	***************************************	とうのろ		UTM:	u Row	47
Station:	06	55	/ ☐Marsh /	End Tim	ie: 0 -	7-°,○○		UTM:		
Station: Start Time: Habitat:	○ ○Forest	/ □Swamp		End Tim - / OHay / Of	Pasture / Q	Crop		UTM:		
Station: Start Time: Habitat:	06	•••	/	End Tim	ie: 0 -			UTM:		ARS praging
Station: Start Time: Habitat:	○ ○Forest	/ □Swamp		End Tim - / OHay / Of	Pasture / Q	Crop		UTM:		
Station: Start Time: Habitat:	○ ○Forest	/ □Swamp		End Tim	Pasture / Q	Crop		S		
Start Time: Habitat: pecies 682 WED	○ ○Forest	/ □Swamp		End Tim - / OHay / Of	Pasture / Q	Crop		UTM: 5	44 B	ARS praging
Station: Start Time: Habitat: pecies 682 YMLD VLS	○ ○Forest	/ □Swamp		End Tim	Pasture / Q	Crop		S		ARS praging
Station: Start Time: Habitat: pecies 682 YMLD VLS	○ ○Forest	50-100m		End Tim	Pasture / Q	Crop		S	44 B	ARS praging
Station: Start Time: Habitat: pecies 682 YMLD VLS	○ ○Forest	/ □Swamp		End Tim	Pasture / Q	Crop		S	44 B	ARS praging
Station: Start Time: Habitat: pecies CORR WED VES	○ ○Forest	50-100m		End Tim	Pasture / Q	Crop  CUM.	TILL S	S	Amr	ARS praging
Station: Start Time: Habitat: pecies COSP COSP CUBL 3 HCO EA KI	○ ○Forest	50-100m		End Tim	Pasture / Q	Crop	TILL S	S	Amk CORP	ARS
Station: Start Time: Habitat: pecies COSP COSP CUBL 3.HCO EA-KI	○ ○Forest	50-100m		End Tim	Pasture / Q	Crop  CUM.	TILL S	S	44 B	ARS
Station: Start Time: Habitat: pecies COSP COSP CUBL 3.HCO EA-KI	○ ○Forest	50-100m		End Tim	Pasture / Q	Crop  CUM.	TILL S	S	Amk CORP	ARS
Station: Start Time: Habitat: pecies COSP COSP CUBL 3.HCO EA-KI	○ ○Forest	50-100m		End Tim	Pasture / Q	Crop  CUM.	THE HELD	S S S WIND PURE	Amk CORP	ARS
Station: Start Time: Habitat: Species COSIC MICO SOSP CUBL 3.HCO EAK!	○ ○Forest	50-100m		End Tim	Pasture / Q	Crop  CUM.	TILL S	S S S WIND PURE	Amik Sosp 5	ARS progreg
Station: Start Time: Habitat: Species COGNE AMED NES AMED SOSP LUBL SHCO EAKI	OG : OF or est	50-100m	>100m	End Tim / DHay / DF Flyovers  3	Pasture /  Height*	Crop  CUM.	THE HELD	S S S WIND PURE	Amk CORP	ARS progreg
Station: Start Time: Habitat: Species COSP WES MMO OSP WBL 3 HCO EAKI VOFL	Sweep will v. Below height	50-100m    Output	>100m	End Tim  / OHay / OF  Flyovers  3	Pasture /  Height*	Crop  CUM.	THE HELD	S S S WIND PURE	Amik Sosp 5	ARS progreg
Station: Start Time: Habitat:  Pecies  COSP  COS	Sweep will v. Below height	50-100m    Output	>100m	End Tim  / OHay / OF  Flyovers  3	Pasture /  Height*	Crop  CUM.	THE HELD	S S S WIND PURE	Amik Sosp 5	ARS progreg
Station: Start Time: Habitat: Species COSP COSP CUBL 3 HCD EAKI VOFL Height of blade On ground; A-I Above height of	Sweep will vigelow height f blade sweet	50-100m    Output	>100m	End Tim  / OHay / OF  Flyovers  3	Pasture /  Height*	Crop  CUM.	THE HELD	S S S WIND PURE	Amik Sosp 5	ARS progreg
Station: Start Time: Habitat:  Pecies COGNE MED VES MED OSP CUBL 3 HCD EA KI VOFL	Sweep will vigelow height f blade sweet	50-100m    Output	>100m	End Tim  / OHay / OF  Flyovers  3	Pasture /  Height*	Crop  CUM.	RING RING	S S S WIND RUB	AMIK SOSP 5	ARS progreg
Station: Start Time: Habitat: Pecies CORP WES MMCO WES	Sweep will v. Selow height f blade sweep	50-100m    Output	>100m	End Tim  / OHay / OF  Flyovers  3	Pasture /  Height*	Crop  CUM.	This form is	S S S WIND RUB	AMIK SOSP 5	ARS progreg

Guadoi	n: <u>3</u>			Featu	re:			UTM:	
Start Time	e: 06:	09		End Tin	ne: OCo	: 14.		- 700 BOBO 19A	Hoor
Habita	t: AFores	// □Swamp	/ 🗆 Marsh	_ / □Hay / □		]Crop		habitat - NO BAR	ine
Species	<50m	50-100m	>100m	Flyovers	Height*	-deer	-OB.		9p?
BUJA	-30III	1	>100m	Fiyovers	neight	-		2	
mro		i i							
AMG0		<del>                                     </del>		1		-			
1	i			<del>                                     </del>	1	FOD			AMRO.
CEDW				2		1000	B	SP -	HAME
YEWA		-				-			\ '
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u ga	<u> </u>					-		CEDI	N 50 NXA
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						-		A)	DSP
						- 1	100°	' \	
						Compl			
Height of bloo	la sugan uill	vary from proje	ni in project -	hook with and		Shubic	. /		
-On ground; A	A-Below heig	ht of blade swe	ep; B-At heigh	it of blade swe	ep;				
-voose ueißu	t of blade swi	seb, n-aaen and	we neight of b	nade sweep					
Station	. //								
Station	: -	•		Featu	re:			UTM:	
		C . (O)		-				UTM:	
Start Time	<u>-</u> α	6:19	(EDM	- End Tim -	1e: 0G	0./24		. UTM: 	
Start Time	<u>-</u> α	(0 : [9] (1 □Swamp	/ □Marsh /	- End Tim -	1e: 0G	Crop	. 40	UTM:	*BAR
Start Time Habitat	<u>-</u> α		/ □Marsh / >100m	- End Tim -	1e: 0G		jte.	. UTM:	*BAR for
Start Time	: Of orest	/ □Swamp		End Tim	Pasture / 🔾	Crop	gte.	UTM:	*BAR!
Start Time Habitat	: Of orest	/ □Swamp		End Tim	Pasture / Q	icrop		UTM:	*BAR for
Start Time Habitat pecies SUTA MED	: Of orest	/ □Swamp		End Tim	Pasture / Q	icrop		P	* BARI
Start Time Habitat Species SUTA MED	: Of orest	/ □Swamp		End Tim	Pasture / Q	icrop		P	*BAR for
Start Time Habitat	: Of orest	/ □Swamp		End Tim	Pasture / Q	icrop		N P	
Start Time Habitat  pecies  SUTA  MED  MM RO  DUCA  SCOH	: Of orest	/ □Swamp		End Tim	Pasture / Q	icrop		BUA AM	
Start Time Habitat  pecies  SCJA  MED  MN RO  VOCA  SCCH  SARS	: Of orest	/ □Swamp		End Tim	Pasture / Q	icrop		BUA AM	*BAR
Start Time Habitat Species SUTA- MGO MM RO LOCA- RCCH BARS	: Of orest	/ □Swamp		End Tim	Pasture / Q	Crop		N P	
Start Time Habitat Species SUTA- MGO MM RO LOCA- RCCH BARS	: Of orest	/ □Swamp		End Tim	Pasture / Q	icrop		BUJA AM	NKO VOLA
Start Time Habitat Species SUTA- MGO MM RO LOCA- RCCH BARS	: Of orest	/ □Swamp		End Tim	Pasture / Q	icrop		BUJA AM	NKO VOLA
Start Time Habitat Species SUTA- MGO MM RO LOCA- RCCH BARS	: Of orest	/ □Swamp		End Tim	Pasture / Q	icrop		BUJA AM	NKO VOLA
Start Time Habitat Species SUTA MED MM RO	: Of orest	/ □Swamp		End Tim	Pasture / Q	icrop		BUJA AM	NKO VOLA
Start Time Habitat Species SCJA- MGO MM RO LOCA- RCCH BARS	: Of orest	/ □Swamp		End Tim	Pasture / Q	icrop		BUJA AM	NKO VOLA
Start Time Habitat  pecies  SUTA  MED  WARD  WARD  SCOH  BARS  SHCO	CONTRACTOR OF	/ USwamp	>100m	End Tim	Pasture / Q Height*	icrop		BUJA AM	NKO VOLA
Start Time Habitat  pecies  SLJA  MGO  SCA  SCAH  SAKS  SHCO  Height of blade On ground; A	Superior of the superior of	S0-100m	>100m	End Tim  / □Hay / □F  Flyovers    1	Pasture / Q Height*	icrop		BUJA AM	NKO VOLA
Start Time Habitat  pecies  SCJA  MED  MARD  SCCH  SAKS  SHCO  Height of blade On ground; A	Superior of the superior of	So-100m	>100m	End Tim  / □Hay / □F  Flyovers    1	Pasture / Q Height*	icrop		BUJA AM	NKO VOLA
Start Time Habitat  Species  SCA  CA  CA  CA  CA  CA  CA  CA  CA  C	c: Oxforest <50m A-Below height of blade sweet	S0-100m	>100m	End Tim  / □Hay / □F  Flyovers    1	Pasture / Q Height*	icrop		BUJA AM	NKO VOLA
Start Time Habitat Species SUTA MED NOCA PCCH BARS SHCO Height of blade -On ground; A	c: Oxforest <50m A-Below height of blade sweet	S0-100m	>100m	End Tim  / □Hay / □F  Flyovers    1	Pasture / Q Height*	Crop - Cay	J. H	BUJA AM	NOCA SO
Habitat  HAB	e sweep will A-Below height of blade sweep	S0-100m	>100m	End Tim  / □Hay / □F  Flyovers    1	Pasture / Q Height*	Crop - Cay	trol: This fo	BUSA AM AMAGO AM RIKO	NOCA SO

Station	: 7			Featu	re:	UTM:	
Start Time	: 07	35		 End Tin	ne: 04	7:40	
			/ @Marsh	_ / □Hay / □!			
pecies	<50m	50-100m	>100m	Flyovers	Height*		
1m60		1111		1			
Ball				ď		0.6	10
'FLK			1			1 B	30
		=1,11				1 / I X	
					6		10
							18
		-					1
						AM60 50	
						50	1
						-	
						- /	
							/
Height of blade	sweep will	vary from proje	ct to project; o	heck with proje	ect manager.	1	
On ground; A Above height	<ul> <li>Below height of blade swe</li> </ul>	nt of blade swe ep; D-Well abo	ep; B-At heigh ove height of b	nt of blade swee	ep;		
Station	:			Featu	re:	UTM:	
Station:	- 11	3.04		Featur End Tim			
Start Time:	28	3:04 /DSwamp		End Tim	ne: 08	8:09	
Start Time:	QFores	/ □Swamp	/ □Marsh /	End Tim	Pasture / 🗆	8:09	
Start Time:	28			End Tim	ne: 08	8:09	- A Tarania da
Start Time:	QFores	/ □Swamp	/ □Marsh /	End Tim	Pasture / 🗆	8:09	
Habitat: becies BNU WRO	QFores	/ □Swamp	/ □Marsh /	End Tim	Pasture / 🗆	8:09	
Habitat: Decies	QFores	/ □Swamp	/ □Marsh /	End Tim	Pasture / 🗆	8:09	and recovery
Habitat: ecies BNU NRO	QFores	/ □Swamp	/ □Marsh /	End Tim	Pasture / 🗆	8:09 ICrop	mh tuate
Habitat: becies BNU WRO	QFores	/ □Swamp	/ □Marsh /	End Tim	Pasture / 🗆	8:09	
Habitat: becies BNU WRO	QFores	/ □Swamp	/ □Marsh /	End Tim	Pasture / 🗆	8:09 ICrop	\
Habitat: Habitat: Habitat:	QFores	/ □Swamp	/ □Marsh /	End Tim	Pasture / 🗆	8:09 ICrop	\
Habitat: ecies BNU ARO	QFores	/ □Swamp	/ □Marsh /	End Tim	Pasture / 🗆	R: 09 ICrop	\
Habitat: becies BNU WRO	QFores	/ □Swamp	/ □Marsh /	End Tim	Pasture / 🗆	8:09 ICrop	1
Habitat: Decies	QFores	/ □Swamp	/ □Marsh /	End Tim	Pasture / 🗆	DECTOP NOWM	1
Habitat: becies BNU WRO	QFores	/ □Swamp	/ □Marsh /	End Tim	Pasture / 🗆	R: 09 ICrop	1
Habitat: Decies	QFores	/ □Swamp	/ □Marsh /	End Tim	Pasture / 🗆	DECTOP NOWM	1
Start Time:	QFores	/ □Swamp	/ □Marsh /	End Tim	Pasture / 🗆	R: 09 ICrop  NBNM  NBNM  SO  AMRO	1
Habitat: Habitat: Decies JONU  MIXO  ÓSP	<50m	Jary from project	>100m	End Tim	Pasture / □ Height*	R: 09 ICrop  NBNM  NBNM  SO  AMRO	1
Habitat: Hab	<50m	Jary from project	>100m	End Tim  / □Hay / □F  Flyovers  heck with projet of blade sweet	Pasture / □ Height*	DECTOP NOWM	1
Habitat: hecies  BUU  OSP  deight of blade On ground; A- Above height of	<50m	50-100m  (  /ary from project of blade sweet	>100m	End Tim  / □Hay / □F  Flyovers  heck with projet of blade sweet	Pasture / □ Height*	R: 09 ICrop  NBNM  NBNM  SO  AMRO	1
Habitat: Habitat: Decies HABITAT: HABIT	<50m	50-100m  (  /ary from project of blade sweet	>100m	End Tim  / □Hay / □F  Flyovers  heck with projet of blade sweet	Pasture / □ Height*	DECTOP NOW	1
Habitat: Hab	<50m	50-100m  (  /ary from project of blade sweet	>100m	End Tim  / □Hay / □F  Flyovers  heck with projet of blade sweet	Pasture / □ Height*	R: 09 ICrop  NBNM  NBNM  SO  AMRO	1

Station	1: 17	)		Featu	ire:	UTM:
Start Time	D: 08	: //		End Tir	ne: 08	3:16.
Habita	t: Fores			 /		
Species	<50m	50-100m	>100m	Fiyovers	Helght*	N foraging
RARS		1 9 7		2		
CHSW				3		* 3 CH8W
RADE	E.E.					10,000
RINBI	4	1				
RHION						POID
56SP						
SAVS						BUTA
RITA						- LUBL
DCOPT						BAOP 50
						CHEWY3. 12 BHED 5050
						CHEWY 5 BHED 5050
						- INUL \ RUBY
						SAVS
Height of blad	e sweep will	vary from proie	ect to orolect: c	check with proje	ect manager	
O-On ground; A	A-Below heigh	ht of blade swe eep; D-Well abo	ep: B-At heigh	nt of blade swee	ep;	H
						fall
Station	: 9			Featur	re:	UTM:
						= 1111
Start Time	: 08	· 3 λ		 End Tim	ne: 🔿 g	
Start Time	: <u>08</u>	.3∂ /□Swamp	/ DMarsh	End Tim	ne: 0 g	3.35
Start Time Habitat	: <u>08</u> : □Forest	.3∂ /□Swamp	/ 🗆 Marsh	End Tim	ne: 0 8	3.35
Start Time Habitat	: <u>08</u> : □Forest	.3∂ / □Swamp	/	End Tim	Pasture / D	
BARS	: <u>08</u> : □Forest <50m	.30 / @Swamp	/	End Tim	Pasture / D	3.35
BARS	: <u>08</u> : □Forest <50m	.30 / Swamp	/ 🗆 Marsh /		Pasture / D	3.35
BARS AM 20 MUDD	: <u>08</u> : □Forest < <b>50m</b>	.30 / Swamp	/ □Marsh / >100m	End Tim	e: 0 8	Shub/ MAM Shoreym
BARS	: <u>08</u> : □Forest <50m	2.	/		e: 0 8 Pasture / □ Helght*	Shub/ MAM Shars forcept
BALS AM 20 MODO	: <u>08</u> : □Forest <50m	.30 / Swamp 50-100m 2	/ □Marsh / >100m		e: <u> </u>	Shub/mam Shars forcept
AMED AMED AMED	: <u>08</u> : □Forest <50m	2.	/		ne:	Crop Shwb7 MAM VIBARS FORCEPT SWELL BARS  EWBL BARS  AM RO  AM RO  WARL
AMGO RUBL	: <u>08</u> : □Forest <50m	2.	/ @Marsh /		e: 0 8	Crop Shwb7 MAM VIBARS FORCEPT SWELL BARS  EWBL BARS  AM RO  AM RO  WARL
AMED AMED AMED RWBL WIFL	: <u>08</u> : □Forest <50m	2.	/		Pasture / D Helght*	Crop Shwb7 MAM VIBARS FORCEPT SWELL BARS  EWBL BARS  AM RO  AM RO  WARL
AMED AMED AMED AMED RWBL WIFL	: <u>08</u> : □Forest <50m	2.	/ □Marsh /		Pasture / □ Height*	PORTOR MAM SIBARS FOREITH  ENBL  ENBL  AMED  AME
AMED AMED AMED AMED RWBL WIFL	: <u>08</u> : □Forest <50m	2.	/ ①Marsh /		Pasture / D Height*	PORTOR MAM SIBARS FOREITH  ENBL  ENBL  AMED  AME
AMED AMED AMED AMED RWBL WIFL	: <u>08</u> : □Forest <50m	2.	/ □Marsh /		e: 0 8 Pasture / 0 Height*	Short MAM Shars forcegn Short RAMED AMED AMED AMED AMED AMED AMED AMED
AMED AMED AMED RWBL WIFL	: <u>08</u> : □Forest <50m	2.	/ ①Marsh /		Pasture / D Height*	Short MAM Shars forcegn Short RAMED AMED AMED AMED AMED AMED AMED AMED
AMED AMED AMED AMED RWBL WIFL	: <u>08</u> : □Forest <50m	2.	/ ①Marsh /		Pasture / D Helght*	PORTOR MAM SIBARS FOREITH  ENBL  ENBL  AMED  AME
BALS AM 20 MODD AM60 RUBL WIFL SOSP	3	2	ct to project: c	neck with proje	Height*	Short MAM Shars forcegn Short RAMED AMED AMED AMED AMED AMED AMED AMED
AMED  AMED	3 Sweep will a Below heigh	2	ct to project, ca	heck with proje	Height*	Short MAM Shars forcegn Short RAMED AMED AMED AMED AMED AMED AMED AMED
AMED  AMED	3 Sweep will a Below heigh	2. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ct to project, ca	heck with proje	Height*	Short MAM Shars forcegn Short RAMED AMED AMED AMED AMED AMED AMED AMED
AMED AMED AMED AMED AMED AMED AMED AMED	e sweep will v. Below heigh of blade swe	2. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ct to project, ca	heck with proje	Height*	Crop Should MAM Sure BARS TO recept AM RO  AM RO  CHIRD RIFE RUBL  AMRO  AMRO  SOSP  SOSP
AMED  AMED	e sweep will in Below heigh of blade swe	2. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ct to project, ca	heck with proje	Height*	Short MAM Shars forcegn Short RAMED AMED AMED AMED AMED AMED AMED AMED

	n:14			Featu	ire:	UTM:
Start Tim	e: 09'	37		End Tir	ne: 89	42
		t / 🗆 Swamp	o / 🗆 Marsh	 / □Hay / □		
Species	<50m	50-100m				7
OADC	<50m	20-100m	>100m	Flyovers	Height*	- W
SAR		1		0		
SAVS					<u> </u>	
						(OD)
	***************************************					50 100
				1		RAKS X8
* Height of blac	de sween will	vary from proje	ct to amiect: c	hack with nenie	ect manager	
O-On ground: /	A-Below heigh	nt of blade sweet sep; <b>D-Well</b> abo	ep: <b>B-</b> At heigh	t of blade swee	ep;	SAVS
G-VDOAG HEIBH	I OI DIAGE SWI	sep, <b>D-44</b> ell abc	we neight of b	ade sweep		
Station	1: 15			Featu		
				reatu	re:	UTM:
CA - A Time		115		-		UTM:
Start Time	09.	45		End Tim	10: 19	.50
	09.	45 /@Swamp	/ □Marsh /	End Tim	10: 19	.50
Habitat	09.	45 / □Swamp	/	End Tim	ne: 19	.50
Habitat	t: Of			End Tim	10: 19	.50
	t: Of			End Tim	ne: 19	.50
Habitat Species BARS SAU	t: Of			End Tim	ne: 19	.50
Habital Species BARS SAU CISP	t: Of	50-100m		End Tim	ne: 19	.50
Habital Species BARS SAU PISP AMME6	t: Of	50-100m		End Tim	ne: 19	Crop
Habital Species BARS SAU CISP	t: Of	50-100m		End Tim	ne: 19	Crop
Habital Species BARS SAU PISP AMMER	t: Of	50-100m		End Tim	ne: 19	.50
Habital Species BARS SAU PISP AMME6	t: Of	50-100m		End Tim	ne: 19	Crop W.
Habital Species BARS SAU PISP AMME6	t: Of	50-100m		End Tim	ne: 19	Crop W.
Habital Species BARS SAU PISP AMME6	t: Of	50-100m		End Tim	ne: 19	Crop W.
Habital Species BARS SAU PISP AMME6	t: Of	50-100m		End Tim	ne: 19	Crop W.
Habital Species BARS SAU PISP AMME6	t: Of	50-100m		End Tim	ne: 19	Crop W
Habital Species BARS SAU PISP AMME6	t: Of	50-100m		End Tim	ne: 19	Crop W
Habital Species BARS SAU PISP AMMER	t: Of	50-100m		End Tim	ne: 19	Crop W
Habital Species BARS SAU CISP AMMO	e: 09. t: □Forest <50m	50-100m	>100m	End Time	Pasture /  Height*	Crop W.
Habital Species BARS SAU CISP AMMES LNBL  Height of blad D-On ground; A	e sweep will a-Below helgh	50-100m	>100m	End Time Hay / OF Flyovers	Pasture /  Height*	Crop W
Habital Species BARS SAU CISP AMMES LNBL  Height of blad D-On ground; A	e sweep will a-Below helgh	50-100m	>100m	End Time Hay / OF Flyovers	Pasture /  Height*	Crop W
Habital Species BARS SALI FISP AINLE LVBL  Theight of blad D-On ground; A C-Above height	e sweep will and a sweep will of blade sweep	50-100m	>100m	End Time Hay / OF Flyovers	Pasture /  Height*	Crop  W.  PWB  PANS  SANS  Amka  Aspa
Habital Species BARS SAU FISP AWK6 VNBL  Height of blad D-On ground; A C-Above height	e sweep will  Below heigh of blade swe	50-100m	>100m	End Time Hay / OF Flyovers	Pasture /  Height*	Crop  W  W  Crop  N  Crop  R
Habital Species BARS SAU FISP AMILO LNBL  Height of blad D-On ground; A C-Above height	e sweep will  Below heigh of blade swe	rary from project of blade sweeep; D-Well about	>100m	Flyovers  Flyovers  heck with project of blade sweep	Pasture /  Height*	Crop  W  W  W  W  SAVE FAME  ASD  CROP  CR

Statio	n: S			Featu	re:	UTM: 0605 757
Start Tim	e: <u>09</u>	:05		End Tir	ne: A	UTM: 0605 757- 4785545
Habita		t / 🗆 Swamp	/ DMarsh	_ / □Hav / □		
			·	, 4,1,0,7,4		- Immediate
Species	<50m	50-100m	>100m	Flyovers	Height*	101
RWBL					ļ	
SHOO						
AMRO						
COYE						FUBL
MODO			8 -			
KILL						
GVCA-						1 CO MOTIONE
WGR	2					SHCO AMPCONE 50 MODO \$100
						50 100
						CAUX CORPS. KICK
						KILL KILL IN
						11 Colors
11 51						Gu.
		vary from proje				
		ht of blade swer sep; D-Well abo			ep;	
		a		-		
Statio	n: 13			Featu	re:	UTM:
Start Time	B: 09.	30		- End Tim	ie: Aa	35 4 adult
	01,	<b>∫</b> □Swamp	/ DMarch /		0 1	
770070	CUP	h	, <b>G</b> Mai311)	anay / ai	asidie / G	Angr. a
Species	<50m	50-100m	>100m	Flyovers	Height*	W +=4,100
LTHA						17000
BAKS				8		
SAVS	<u> </u>			,		1 100
	,					
						KTHA \
						50 100
						SAUS
						uneyay BAKSES.
					in nijidhidayaydayaydayayayayayaya noon qooyayoon naba	
* Height of bloo	le sweet will .	rary from projec	t to project -	hank with and	ot manaca-	
O-On ground; A	A-Below heigh	t of blade swee	p; B-At height	of blade swee	p;	
G-ADOVE REIGHT	O DIBGE SWE	ep; <b>D-W</b> ell abov	re neight of bla	aue sweep		
age of						Quality Control: This form is complete  & legible .
Signat	ure:					Signature:
		(	Field Perso	nnei)		(Project Manager) REV: 2011-05-04 / FORM 020

	1:	基	16	Featu	re:	UTM:
Start Time	: ^ c	7.56		End Tin	ne: / (	0.01
Habitat	Fores	s/ ©Swamp	/   Marsh	_ / □Hay / □I		
pecies	<50m	50-100m	>100m	Flyovers	Height*	E
Amko						
m60						
						FOD /
		=				
						AMKO
						50 1
						m60 -
leight of blade	sween will	vary from nmier	ct to orolect: c	heck with proje	of manager	community
On ground: A	-Below helat	nt of blade swee	ep: B-At heigh	t of blade swee	ep;	Commande
						Over 1
Station:	1	6 17		Featur	e:	UTM:
		7				1
Start Time:	16	'04		End Tim	e: 10	1.09
11	10	/ DSwamp	/ OMarsh /	-		); 09  Crop = X 7 P.AB
Habitat:	Forest	/ 🗆 Swamp		- ′ □Hay / □P	Pasture / 🗖	
Habitat:	10		/	-		
Habitat:	Forest	/ 🗆 Swamp		- ′ □Hay / □P	Pasture / 🗖	
Habitat:	Forest	/ 🗆 Swamp		- ′ □Hay / □P	Pasture / 🗖	
Habitat: Decies MGO FDW	Forest	/ 🗆 Swamp		- ′ □Hay / □P	Pasture / 🗖	Crop 4-2BAR foragn
Habitat: Decies MGO FDW	Forest	/ 🗆 Swamp		Flyovers	Pasture / 🗖	Crop 4-2BAR foragn
Habitat:	Forest	/ 🗆 Swamp		Flyovers	Pasture / 🗖	
Habitat: Decies MGO FDW	Forest	/ 🗆 Swamp		Flyovers	Pasture / 🗖	Crop 4-2BAR foragn
Habitat:	Forest	/ 🗆 Swamp		Flyovers	Pasture / 🗖	Crop 4-2BAR foragn
Habitat:	Forest	/ 🗆 Swamp		Flyovers	Pasture / 🗖	Crop & ZBAR Foragn
pecies WHO EDW	Forest	/ 🗆 Swamp		Flyovers	Pasture / 🗖	Crop & ZBAR Foragn
Habitat: Decies MGO FDW	Forest	/ 🗆 Swamp		Flyovers	Pasture / 🗖	Crop  BUSA  FOR CROW  50 10
Habitat:	Forest	/ 🗆 Swamp		Flyovers	Pasture / 🗖	Crop & ZBAR Foragn
Habitat: Decies WEDW PLTA- BAYES	<50m	50-100m	>100m	Flyovers	Pasture / D	Crop  BUSA  FOR CROW  50 10
Habitat:  Decies  WEDW  BUTA  Delight of blade  On ground: A-	<50m	50-100m	>100m	Flyovers	Pasture /  Height*	Crop  BUSA  FOR CROW  50 10
Habitat:  Decies  WEDW  BUTA  Delight of blade  On ground: A-	<50m	50-100m	>100m	Flyovers	Pasture /  Height*	Crop  BUSA  FOR CROW  50 10
Habitat:  Pecies  WEDN  PUTA-  BARS  Height of blade On ground; A- Above height of	<50m	50-100m	>100m	Flyovers	Pasture /  Height*	Crop  BUSA  FOR CROW  50 10
Habitat:  Decies  W(1)  DA  DA  DA  DA  DA  DA  DA  DA  DA  D	Sweep will v Below height f blade sweet	50-100m	>100m	Flyovers	Pasture /  Height*	Crop  BUSA  FOR CROW  50 10
Habitat:  Pecies  WHO  FDW  BUTA  BAPS  Beight of blade  On ground; A-  Above height of	Sweep will v Below height f blade sweet	ary from project of blade sweeter; D-Well abov	>100m	Flyovers	Pasture /  Height*	Crop  BUSA  FOR CROW  S  FOR TOWN  CONNESS  2 J

# Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Birding Point Counts Survey Observation Form

Sta	ntec	Fax: (519)	836-2493					
	ect Numbe		609	5044	13	Project N	ame: Foutle	nd-Winona
	Date	= 5	ly 10,	2012		Field Perso	anali 🔿	Scahan
Weather Co	onditions:		P(°C):	1	ND:	CLOUD:	PPT None	PPT (in last 24 hrs):
	GPS #	#: T		_ \				
Station	n:	1		Featu	re:		UTM:	605665
Start Time	e:	5-30		End Tim	ne: <	- 35	<del></del>	4785945
		0 0 0	/ □Marsh	_	Pasture / 🗆 C			710-11
Species	<50m	50-100m	>100m	Flyovers	Height*	ю	E	
RWBL	P	30-10011	-100m	Flyovers	Height		E	YEWA
SAKI	A							12 Will
MBU	2							
SOSP	SM	51						
2057	/					.0/		
AMRO		V			d	FIN	AME	000
18WD			SM		na du podred a des products del pris da da da como producta a massa.	(ST)	/ RWB	L(P) TAMPO
BASW	1/							30sP(5h) 100
FISP			SM.					30 100
							EAKI (49)	
	<del></del>	**************************************						EUST
Height of blac	le sween var	ies from project	to project: ch	eck with project	manager		S	osP(SM)
O-On ground;	A-Below heig	ht of blade swe eep; <b>D-</b> Well abo	ep; <b>B-</b> At heigl	nt of blade swee	ep;			

age of	Quality Control: This form is complete 🚨 & legible 🚨.
Signature:	Signature:
(Field Personn	nel) (Project Manager)
	REV: 2011-05-04 / FORM 020

Statio	n: 2			Featu	re:		UTM: 605685
Start Time	e: 5	:40	HALLEN S	End Tim	ne:	5 45	UTM: 605685 478608
Habita			/ □Marsh	_ /	Pasture / 🗖		enter lex sette
pecies	<50m	50-100m	>100m	Flyovers	Height*	X V Y	N
COGR	N			1/	7		
FNA	P					8	LTA .
BASW	V		***************************************	V	***************************************	, , , , , , , , , , , , , , , , , , , ,	
AMRO	V						25
AMGO	1/						(06R (D)
505P	SM				er an er en		10000
CHSP	D				***************************************	/	CEWA(P) BASW DAYON
MuDO	p				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		AMED SOSPISM TO 50
= All =	2				***************************************	BHC	CHSP(P) & AS W/C
21.01	176					1	BHOME
WSL	49	SA	***************************************		**************************************	miles Co. 1984	( MODO(2)
151		> M			***************************************		= AVT (AB)
BHCO		V					RWBL (Ag)
BLJA	do ourses :::	<u> </u>	V at to provide at	heck with proje	-4	Deer	FISP (SM)
Habita	t: DForest	<i>⊘</i> / <b>□</b> Swamp	/ □Marsh	- /		Crop	uтм: <u>605817</u> 4786118
ecies	<50m	50-100m	>100m	Flyovers	Height*		
MOR			V				R(X)
lowe	VSM				***************************************	PINC	Re
AMRO	Ag					·	
RCA	SM					1	HOWR (SM)
AMGO	SM						Holor (GI) Be
50 SP	Ag				**************************************		
OGR	0			/	**************************************	/	medit a com som
CCH		SM			# 1 <del>4 - 00</del>		/ HI 640) HIW
ENA				1			SOSP 50
WBI-		Aca				1	(A6) /
VIFL		541			***************************************		COGR
51SP		SM					CÉWA QUIQI (Aa)
							RWRI (Aa)
leight of blad	le sweep will t	vary from projec	ct to project; c	heck with project t of blade swee		11	WIFL (SM)
		ep; <b>D</b> -Well abo		lade sweep	inst mission Lo	ther than birds are birds are	of te
age of					Ø		∱∖ s form is complete ☐ & legible ☐.
Signat						•	sionn is complete 🛥 a legible 🖵 . II
Signat			Field Porce	nnel\		Signature:	(Project Manager)
		(	Field Perso	milel)			(Project Manager) REV: 2011-05-04 /

	on:	4	<u> </u>	Featu	re:	C	1129	UTN	606	042
Start Tin	ne:	615		End Tin	ne:	620			478	36009
Habit	tat: □Fores	st / 🗆 Swamp	/ □Marsh	/ 🗆 Hay / 🗖	Pasture / 🗵		a.h.	THE RESIDENCE OF	av II. e	
Species	<50m	50-100m	>100m	Flyovers	Height*	7 135	W.	pulpitus vi	56	
MSW		V	ιψ <u>≡</u> Επ	2					[حال	NOCA
NOCA			5M							Trad
EUS T	(F-3) (42)	V					/		,	1 24
AMRU	V	10		V				08	SW	
SRCA	V			L				Bi	The	EUST
AM60		SM		-			/	AMK	4//	1 100
VRSW	7							1 40	CA	0000
F158		SM						6.		Hr GQ (SM)
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4.1	bola re	or ned	adoutart	c				1		
				- 8 A /					AMRO	-/
\				120						
11 3/4	F-77-E-2		- 336142						Lungal	FBP (SM)
Statio	n: 💹	Direction Share		Featur	re:			UTM	: 601	(012
		1 20				1 3/			117	85000
Start Tim		630	/ DM /	End Tim	ne:	635	.0		47	85872
Start Tim	at: □Fores	t / □Swamp			ne: Pasture / 🍱		und mea		47	85872
Start Tim Habita		0	>100m		ne:		ival neo		47	85872
Start Tim Habita	at: □Fores	t / □Swamp		□Hay / □F	ne: Pasture / 🍱		und nead		47 5] JWIFE	
Start Time Habita  pecies WIFL EUST	at: □Fores	t / □Swamp	>100m	□Hay / □F	ne: Pasture / 🍱		rund near	tow [	5] I WIFG	(Sr)
Start Tim Habita Decies WIFL EUST COOR	at: □Fores	t / □Swamp	>100m	□Hay / □F	ne: Pasture / 🍱		54 m (8)	Tow [	5 WIFE	(SM)
Start Tim Habita Decies WIFL EUST COGR	at: □Fores	50-100m   50-100m   50-100m	>100m	□Hay / □F	ne: Pasture / 🍱	Erop Cul	-4m,5	Tow [	5 WIFE	(SN) SR (S) YEWA(SM
Start Tim Habita Decies WIFL EUST COGR	at: □Fores	t / □Swamp	>100m	□Hay / □F	ne: Pasture / 🍱	Erop Cul	-4m,5	tow [	5 WIFE	(SN) SR (S) YEWA(SM
Habita Decies WIFL EUST COGR SOSP VOCA RWBL	at: □Fores	50-100m   50-100m   SM   2 SM	>100m	□Hay / □F	ne: Pasture / 🍱	Frop Cult	-4m,5	Tow [	5 WIFE	(ST) SP (S) YEWA (SM) GRCA (SM)
Start Tim Habita Decies WIFL EUST COGR SOSP	at: □Fores	SM SM	>100m 5M	□Hay / □F	ne: Pasture / 🍱	Frop Cult	-4m,5	Tow [	5 WIFE	(ST) SP (S) YEWA (SM) GRCA (SM)
Start Tim Habita  pecies WIFL EUST TOGR SOSP WOCA RWBL	at: □Fores	SM SM	>100m	□Hay / □F	ne: Pasture / 🍱	Erop Cul	-4m,5	Tow [	5 WIFE	(ST)  SP (S)  YEWA(SM  GRA  (SM)  COYE(SM  EAKICA
Start Tim Habita  pecies WIFL EUST COGR SOSP VOCA RWBL	at: □Fores	SM SM SM	>100m 5M	□Hay / □F	ne: Pasture / 🍱	Frop Cult	-4m,5	Tow [	5 WIFE	(ST) SP (S) YEWA (SM) GRCA (SM)
Start Tim Habita  Pecies WIFL EUST COGR SOSP WOCA RWBL VOCA RWBL TEWA TOYE EAKT	at: □Fores	SM SM	>100m 5M	□Hay / □F	ne: Pasture / 🍱	Frop Cult	-4m,5	Tow [	5 WIFE	(ST)  SP (S)  YEWA(SM  GRA  (SM)  COYE(SM  EAKICA
Habita Decies WIFL EUST TOGR SOSP WOCA RWBL IEWA GRCA OVE CAKT	at: □Fores	SM SM SM	>100m 5M	□Hay / □F	ne: Pasture / 🍱	Frop Cult	-4m,5	Saspan) E NOCACSI)	5 WIFL VSTCQ RWBL	(ST)  SP (S)  YEWA(SM  GRA  COYE(SM  EAKI(A
Start Tim Habita  Pecies WIFL EUST COGR SOSP WOCA RWBL YEWA TOYB EAKT	at: □Fores	SM SM SM	>100m 5M	□Hay / □F	ne: Pasture / 🍱	Frop Cult	-4m,5	Saspan) E NOCACSI)	5 WIFL VSTCQ RWBL	(ST)  SP (S)  YEWA(SM  GRA  COYE(SM  EAKI(A
Start Tim Habita  Pecies WIFL EUST COGR SOSP VOCA RWBL NEWA CRCA OVE EAKT HOWR	at: □Fores	50-100m  50-100m  SM SM SM SM SM	>100m 5M	Flyovers  V	Height*	Frop Cult	-4m,5	Saspan) E NOCACSI)	5 WIFL VSTCQ RWBL	(ST)  SP (S)  YEWA(SM  GRA  (SM)  COYE(SM  EAKICA
Habita  Pecies  WIFL  EUST  COGR  SOSP  VOCA  RWBL  WBL  HOWR  Reight of bla  On ground;	at: □Fores  <50m	SM SM SM SM SM	>100m SM SM SM ct to project; cf-pp; B-At height	Flyovers  U  meck with proje of blade swee	Height*	Frop Cult	-4m,5	Saspan) E NOCACSI)	5 WIFL VSTCQ RWBL	(ST)  SP (S)  YEWA(SM  GRA  COYE(SM  EAKI(A
Start Tim Habita  Pecies WIFL EUST COGR SOSP WOCA RWBL YEWA COVE HOWR  Height of bla On ground;	at: □Fores  <50m	SM SM SM SM SM SM	>100m SM SM SM ct to project; cf-pp; B-At height	Flyovers  U  meck with proje of blade swee	Height*	Frop Cult	-4m,5	Saspan) E NOCACSI)	5 WIFL VSTCQ RWBL	(ST)  SP (S)  YEWA(SM  GRA  COYE(SM  EAKI(A
Start Tim Habita  Pecies WIFL EUST COGR SOSP WOCA RWBL YEWA COVE HOWR  Height of bla On ground; Above height	de sweep will A-Below height of blade swe	SM SM SM SM SM	>100m SM SM SM ct to project; cf-pp; B-At height	Flyovers  U  meck with proje of blade swee	Height*	Howar (SM)		SOSPCON) E NOCACSIN	S WIFL RWBL Saspes	(ST)  SR (S)  YEWA (SM)  COYE (SM)  EAKI (A)  NOCA (ST)
Start Tim Habita  Pecies WIFL EUST COGR SOSP VOCA RWBL YEWA COVE HOWR  Height of bla On ground;	at: □Fores  <50m  S M  de sweep will  A-Below height of blade sweep  f	SM SM SM SM SM	>100m SM SM SM ct to project; cf-pp; B-At height	Flyovers  U  meck with proje of blade swee	Height*	Howar (SM)	ontrol: This	Saspan) E NOCACSI)	S WIFL RWBL Saspes	(ST)  SR (S)  YEWA (SM)  COYE (SM)  EAKI (A)  NOCA (ST)

	n: (	0		Featu	re:	BYEN		O FIVI:	60570
Start Tim	ie:	645	16	End Tim	ne: 65	TO 100			60570° 4785 47
Habita	at: □Fores	t / 🗆 Swamp	/ 🗆 Marsh	_ /	Pasture / 🗆	Crop CUM	7		
Species	<50m	50-100m	>100m	Flyovers	Height*	412454		a a	41
NOCA	V.	1 H	SM					Nochest	N N
AMGO		SM						- CHICAL	
EAKI	1	SM							14/00
SASP	SM	2 SM			P				AM60 CS
SOSP EWA	SM								C
1600				4					
FUST		1		<u></u>		/	/	505P	
-15P	7		SM			(SM)		605P (SM)	
2WBZ		SM				(Sn)		0.3	ال الم
OYE		3,6	Sm		***************************************	1	\	BHCO (SM)	(SM)
UIU						\	RWBL (		(Mo Do)
. ,			24	7	V2		( Contraction	SM	
1.)	280	192	112/	CI		before	500	PG )	(Fox
Station:				Featur	re:			UTM:	605472
		1.5			• •				
	e:	715		End Tim		720	t mia		£78547
Start Tim	-	/-	/ □Marsh	End Tim	ie:		198	Ū	f78547
Start Tim Habita	it: □Forest	/ □Swamp		End Tim	e: Pasture / 🗖		7 109K 1900 D. T.	į.	+78547
Start Tim Habita	-	/-	/	End Tim	ie:				+78547.
Start Tim Habita	Som Ag	/ □Swamp		End Tim	e: Pasture / 🗖				+78547
Habita ecies MRD	<50m	/ Swamp		End Tim	e: Pasture / 🗖				+78547.
Habita ecies MRD	Som Ag	/ Swamp		End Tim	e: Pasture / 🗖		Prince	L	F78547
Habita  Habita  Pecies  MRD	SN SN	/ USwamp 50-100m Ag SM		End Tim	e: Pasture / 🗖			L	+78547.
Habita ecies MRD	SR SR (Als)	/ USwamp 50-100m Ag SM		End Tim	e: Pasture / 🗖		THE THE		F78547
Habita ecies MRD	SM  SM	/ USwamp 50-100m Ag SM		End Tim	e: Pasture / 🗖			L	F78547
Habita ecies MRD	SM SM	/ USwamp 50-100m Ag SM		End Tim	e: Pasture / 🗖			AMRO (Ag)	F78547
Habita Hecies MRD	SM  SM	/ USwamp 50-100m Ag SM		End Tim	e: Pasture / 🗖			AMRO (AS)	VOCA(
Habita Hecies MRD	SM SM	/ USwamp 50-100m Ag SM		End Tim	e: Pasture / 🗖			AMRO (AS)	VOCA(
Start Tim Habita  Hecies HMLD  LOCA	SM SM	/ USwamp 50-100m Ag SM		End Tim	e: Pasture / 🗖			AMRO (AS)	VOCA(
Start Tim Habita  Hecies HMLD  LOCA	SM SM	/ USwamp 50-100m Ag SM		End Tim	e: Pasture / 🗖			AMRO (AS)	V VOCA(
Start Tim Habita  Hecies HMLD  LOCA	SM SM	/ USwamp 50-100m Ag SM		End Tim	e: Pasture / 🗖			AMRO (AS)	V VOCA(
Habita Habita HARD ACA MGO CAKI HWO 3CCH SOSP	SM SM SM SM	John John John John John John John John	>100m	End Tim	Pasture /  Height*			AMRO (AS)	V VOCA(
Habita Habita Hecies HMRD MGO AKI HWO BOSP HOUR	SM SM SM ABelow heigh	Joswamp  50-100m  Ag  Solution  Ag  Solution	>100m	End Tim	Pasture /  Height*	Crop		AMRO (AS)	V VOCA(
Habita  HABITA	SM SM SM ABelow heigh	Joswamp  50-100m  Ag  Sum  Ag	>100m	End Tim	Pasture /  Height*	Crop		AMRO (AS)	V VOCA(
Habita  Habita  Pecies  MRD  MGO  CAKT  MWO  BCCM  SOSP  Weight of bla  On ground;  Above heigh	SM S	Joswamp  50-100m  Ag  Sum  Ag	>100m	End Tim  / □ Hay / □ F  Flyovers  theck with project of blade sweep (	Pasture /  Height*	Crop  Owo  Owo  Owo  Owo  Owo  Owo  Owo  O		AMRO (AMRO (AMRO (AMRO HOW	V VOCA(
Start Tim Habita  Pecies AMRD  WOCA AMGO CAKT AMWO BCEN SOSP Howk	SM SM SM ABelow height of blade sweet	Joswamp  50-100m  Ag  Sum  Ag	>100m	End Tim  / □ Hay / □ F  Flyovers  theck with project of blade sweep (	Pasture /  Height*	Crop  Owo  Owo  Owo  Owo  Owo  Owo  Owo  O	trol: This form	AMRO (AMRO (AMRO (AMRO HOW	Voca Voca Voca Voca Voca Voca Voca Voca

	n:		8	Featu	re:		UTM: 6	05743	
Start Tim	e: 'Saw	80	D .	End Tin	ne:	905	4-	05743	SET ISSUED
Habita	t: □Fores	t / □Swamp	/  Marsh /	□Hay / □I	Pasture / (	□Crop		700	
Species	<50m	50-100m	>100m	Flyovers	Height*	CUM		11 (4195)	
Sasi	CF		5M(2)						121
SWSP		SM							100
FISP			SM	Šķ					SOSP (S
NOCA			SM	- 3/4					1-0
BCCH	X						ob (sn)	swsp.	1) /24
WIFL	AG					MAG		,	1
GRA	SM	5		-			BASWC	4	
AM60		SM				1	CRA (SM)	50	100
AMRO	V					AMRO	(SM) Bac	50	100
RWBL	i K	Ag(2)					10176	. /	
1		J '					(CHy)	50SP(KF)	/
34									
1							RWBL (2)		
		vary from proje ht of blade swe				Sosp (SM)	(Hg)	THE RELLEGIO	a duting all a
-Above heigh	t of blade sw	eep; <b>D</b> -Well abo	ove height of bl	ade sweep		(514)	No same		
Station	1:	9		Featu	re:		UTM: (	05974	- 15
		140				746	1/-	10 01	N
Start Time		740		End Tim	ne:	746	4-	05974 185591	Yester
Start Time		/ <b>1</b> 40 / <b>□</b> Swamp	/ 🏻 Marsh /	End Tim	ne:		4-	185591	Y rains
Start Time			>100m	End Tim	ne:				Trains
Start Time	t: □Forest	/ □Swamp		End Tim	ne: Pasture / C		Vu		Tromp
Start Time Habita	t: □Forest	/ □Swamp	>100m	End Tim	ne: Pasture / C				Y cares
Start Time Habita	t: □Forest	/ □Swamp  50-100m  5M	>100m	End Tim	ne: Pasture / C	Crop	Vu	(SM)	
Start Time Habita	SM	/ □Swamp  50-100m  5M	>100m	End Tim	ne: Pasture / C			(SM)	
Start Time Habital  pecies  UOCA  AMG O  CEWA	t: □Forest	/ □Swamp  50-100m  5M	>100m	End Tim	ne: Pasture / C	Crop	Vu	(SM)	
Start Time Habital  pecies  DOCA  AMG O  CEWA	SM SM SM X	/ □Swamp  50-100m  5M	>100m	End Tim	ne: Pasture / C	CUT	Pode	AMGO (SH)	
Start Time Habital Species VOCA AMG O	SM	/ □Swamp  50-100m  5M	>100m	End Tim	ne: Pasture / C	CUT	Pode	(SM)	
Start Time Habital  pecies  UOCA  AMG O  CEWA	SM SM SM X	/ □Swamp  50-100m  5M  SM  X	>100m	End Tim	ne: Pasture / C	CUT Nach (SM)	Va poca	AMGO (SH) EWACP) ANGO	
Start Time Habital  pecies  UOCA  AMG O  CEWA	SM SM SM X	/ □Swamp  50-100m  5M	>100m	End Tim	ne: Pasture / C	CUT Nach (SM)	Va poca	AMGO (SH)	
Start Time Habital Species VOCA AMG O	SM SM SM X	/ □Swamp  50-100m  5M  SM  X	>100m	End Tim	ne: Pasture / C	CUT Nach (SM)	Pode	AMGO (SH) AMGO (SH) AMGO (SH) FUACO (SH) FUACO (SH) FUACO (SH) FUACO (SH)	Mada
Start Time Habital  pecies  UOCA  AMG O  CEWA	SM SM SM X	/ □Swamp  50-100m  5M  SM  X	>100m	End Tim	ne: Pasture / C	CUT Nach (SM)	POCA (SH)	AM60 (SH) AM60 (SH) AM60 (SH) AM60 (SH) AM60 (SH)	Mada
Start Time Habital Species VOCA AMG O	SM SM SM X	/ □Swamp  50-100m  5M  SM  X	>100m	End Tim	ne: Pasture / C	CUT Nach (SM)	POCA (SH)	AM60 (SH) AM60 (SH) AM60 (SH) AM60 (SH) AM60 (SH)	Mada
Start Time Habital Species VOCA AMG O	SM SM SM X	/ □Swamp  50-100m  5M  SM  X	>100m	End Tim	ne: Pasture / C	CUT Nach (SM)	POCA (SH)	AM60 (SH) AM60 (SH) AM60 (SH) AM60 (SH) AM60 (SH)	Mada
Start Time Habital  Species VOCA AMCO CEWA MOOUNTEWA AMRO CRCA BHCO  Height of blace	SM SM SM SM SM SM SM	SM SM SM	>100m  S M	End Tim	Height*	CUT Nach (SM)	POCA (SH)	AM60 (SH) AM60 (SH) AM60 (SH) AM60 (SH) AM60 (SH)	Mada
Start Time Habitat  Pecies  UOCA  AMG O  EWA  MODO  EWA  MR D  GRCA  BHCO  Height of blac  On ground; A	SM S	/ □Swamp   50-100m   SM   SM   SM   SM   SM   SM   SM   S	>100m  SM  ct to project; chap; B-At height	End Tim  Hay / OF  Flyovers  Peck with projet of blade sweet	Height*	CUT Nach (SM)	POCA (SH)	AM60 (SH) AM60 (SH) AM60 (SH) AM60 (SH) AM60 (SH)	Mada
Start Time Habitat  Pecies  UOCA  AMG O  EWA  MOOU  EWA  AMR D  GRCA  BHOOD  Height of blac  On ground; A	SM S	SM	>100m  SM  ct to project; chap; B-At height	End Tim  Hay / OF  Flyovers  Peck with projet of blade sweet	Height*	CUT Nach (SM)	POCA (SH)	AM60 (SH) AM60 (SH) AM60 (SH) AM60 (SH) AM60 (SH)	Mada
Height of blace- On ground; A-Above height	SM S	SM	>100m  SM  ct to project; chap; B-At height	End Tim  Hay / OF  Flyovers  Peck with projet of blade sweet	Height*	DOCA (SM)  BHOO (SM)	POCA SP(A) AMA	AMGO (SH)	Mada
Start Time Habital Species WOCA AMG O CEWA MOOUNEWA AMR D CRCA BHCO Height of black-On ground; A	SM SM SM SM A-Below height of blade sween	SM	>100m  SM  ct to project; chap; B-At height	End Tim  Hay / OF  Flyovers  Peck with projet of blade sweet	Height*	CUT Nach (SM)	POCA SP(A) AMA	AMGO (SH)	Mada

	n: 0	BEEV M		Featu —	re:			16001
Start Tim	ie: 8	34		End Tin	ne: 8	39	47	85428
Habita	at: □Forest	i / □Swamp	/ □Marsh	/ 🗆 Hay / 🗖	Pasture / 🗆	Crop	U.Sween III.	amust.
pecies	<50m	50-100m	>100m	Flyovers	Height*	7 (0)	E	
CHSW			X	V			4	
GRCA		5M	-					
BHOD	P (1)							
AMRO	Aa						GREACAN)	
EUST	19	Χ						1
Moors	X					aver /	1 BHG	(3)
BASW	XII		ā			(SM)		AMRO
TRSI	X (1X		Tage 1				(MoDO)	Olay)
VACA	1 (1)		SM	4.00			1000	50
·ucri			0.1			1 -	1/1/	1
				1			BAS	W(6)
1		W.		1			INS	WC)
7,			UF.					
				check with project that of blade sweet				ALL AND AV
Statio			57	Featu	re:	75/2		5638
Start Tim	e: 8	/ DSwomp	/ CMorch	End Tim	ne:	四月上台		06387 185485
Start Tim Habita	e: 8	/ □Swamp		End Tim  Hay / OH	ne:	四月上台		
Start Tim Habita	e: 8	/ □Swamp	>100m	End Tim	ne:	四月上台	47	
Start Tim Habita	e: 8	/ □Swamp		End Tim  Hay / OH	ne:	Crop Harston		
Start Tim Habita pecies CA BCCH	e: 8	/ □Swamp	>100m	End Tim  Hay / OH	ne:	Crop Harston	47	
Start Tim Habita  pecies  OCA  BCH  SOSP	e: 8 at: UForest <50m	/ □Swamp	>100m	End Tim  Hay / OH	ne:	Crop ga sid	47 47	185485
Start Tim Habita  Pecies  ISCA  ISCCH  SOSP  A MRD	e: 8	/ □Swamp	>100m	End Tim  Hay / OH	ne:	Crop ga sid	47 47	
Start Tim Habita  Pecies JOCA JOCH SOSP AMRO EUST	e: 8 at: UForest <50m	/ □Swamp	>100m	End Tim  Hay / OH	ne:	Crop Harston	47 E	185485
Start Tim Habita  Pecies JOCA JOCCH SOSP AMRO EUST AMGO	e: 8 at: UForest  <50m  X Ag	/ □Swamp	>100m	End Tim  Hay / OH	ne:	Crop ga sid	E BOCH	185485
Start Tim Habita  Pecies JOCA JOCH SOSP AMRD EUST AMGO BHCO	e: 8 at: UForest <50m  X Ag  SM SM	/ □Swamp	>100m	End Tim  Hay / OH	ne:	Crop ga sid	BOCH SOSP	185485 NOCA (SM)
Start Tim Habita  Pecies VCA BCCH  SOSP  AMRO EUST  AMGO  BHCO  FWA	e: 8 at: UForest  <50m  X Ag	/ □Swamp  50-100m  SM	>100m	End Tim  Hay / OH	ne:	Crop ga sid	BOCH SOSP	AMRO (Ag) 500
Start Tim Habita  Pecies JOCA  BOCH  SOSP  AMRO  EUST  AMGO  BHCO  EWA  HOWR	e: 8 at: UForest <50m  X Ag  SM SM	/□Swamp  50-100m  SM  SM	>100m	End Tim  Hay / OH	ne:	Crop ga sid	E BOCH SOSP BH	185485 1000 A (5M) AMRO (Ag) 50 CO (5M) 1
Start Tim Habita  Pecies VCA BCCH  SOSP  AMRO EUST  AMGO  BHCO  FWA	e: 8 at: UForest <50m  X Ag  SM SM	/ □Swamp  50-100m  SM	>100m SM	End Tim  Hay / OH	ne:	Crop ga sid	BOCH SOSP	185485 1000 A (SM) AMRO (Ag) 50 CO (SM)
Start Tim Habita  Pecies JOCA  BOSP  AMRO EUST  AMGO BUCO FWA HOWR	e: 8 at: UForest <50m  X Ag  SM SM	/□Swamp  50-100m  SM  SM	>100m	End Tim  Hay / OH	ne:	Crop the SIC AND	E BOCH SOSP BH	185485 1000 A (SM) AMRO (Ag) 50 CO (SM)
Start Tim Habita  Pecies JOCA  BOSP  AMRO EUST  AMGO BUCO FWA HOWR	e: 8 at: UForest <50m  X Ag  SM SM	/□Swamp  50-100m  SM  SM	>100m SM	End Tim  Hay / OH	ne:	Crop ga sid	Forest SOSP AMGOC	AMRO (Ag) 50 CO (SM)
Start Tim Habita  Pecies DOCA BOCH SOSP AMRD EUST AMGO BHCO FWA HOWR HOWR	e: 8 at: UForest  <50m  X  X  Ag  SM  SM  X	50-100m SM SM SM	>100m SM >>	End Tim	Pasture /  Height*	Crop the SIC AND	Forest SOSP  AMGOCI  Sold  Philed	AMRO (Ag) 50 CO(SM) HOFICE
Start Tim Habita  Pecies  OCA  BCCH  SOSP  AMRO  EUST  AMGO  BWA  HOWR  HOWR  HOWR  HOWR  HOP I  KILL  Height of blad  On ground;	e: 8 at: UForest  <50m  X Ag  SM SM X A-Below heigh	SM SM SM SM SM SM SM SM SM	>100m  SM  SM  ct to project; cep; B-At heigh	End Tim  / □Hay / □F  Flyovers  theck with project of blade sweet	Height*  cet manager.	Crop  NDCA(SM)  KILL (SM)	Forest SOSP  AMOOCO  Planted  Trees	AMRO (Ag) 50 CO(SM) HOFICE
Start Tim Habita  Pecies  CA  BOSP  MRD  LUST  AMGO  BUCO  FWA  HOWR  HO	e: 8 at: UForest  <50m  X Ag  SM SM X A-Below heigh	SM SM	>100m  SM  SM  ct to project; cep; B-At heigh	End Tim  / □Hay / □F  Flyovers  theck with project of blade sweet	Height*  cet manager.	Crop  NDCA(SM)  KILL (SM)	Forest SOSP  AMOOCO  Planted  Trees	AMRO (Ag) 50 CO(SM) HOFICE
Start Tim Habita  pecies  CA  BCCH  SOSP  MRD  EUST  AMGO  BHCO  EWA  HOWR  HO	e: 8 at: UForest  <50m  X Ag  SM SM X A-Below heigh	SM S	>100m  SM  SM  ct to project; cep; B-At heigh	End Tim  / □Hay / □F  Flyovers  theck with project of blade sweep  Compared to the compared to	ret manager.	ROCA(SM)  KILL (SM)  Rogs to cast	Forest SOSP  AMOOCO  Planted  Trees	AMRO (Ag) 50 CO (SM) HOF IC
Start Tim Habita  Pecies  CA  BOSP  HMRD  EUST  AMGO  BHCO  FWA  HOWR  H	e: 8 at: UForest  <50m  X  X  A  S  M  S  M  A  A-Below height of blade sweep  A-Below height of blade sweep  A  A  A  A  A  B  A  B  A  B  B  B  B	SM S	>100m  SM  SM  ct to project; cep; B-At height of b	End Tim  / □Hay / □F  Flyovers  theck with project of blade sweep  lade sweep	et manager.	ROCA(SM)  KILL (SM)  Rogs to cast	Forest SOSP  Forest SOSP  AMGOCA  Lawr.  Placed  trees	AMRO (Ag) 50 CO (SM) HOF IC



Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON

## **Birding Point Counts Survey**

REV: 2011-05-04 / FORM 020

	The market of the same of the
12	Canada N1G 4P5
	Tel: (519) 836-6050
Stantoc	Fax: (519) 836-2493

Sta	ntec	Canada N Tel: (519) 8 Fax: (519)	836-6050		3.6		servation F	
Proj	ject Numbe	r:				Project Name:	make water as	
	Date	: J	uly 10	2012		Field Personnel:		
Weather C	onditions:	TEMI	P (°C):	W	IND:	CLOUD:	PPT:	PPT (in last 24 hrs):
	GPS #	f: T						
Statio	on: 1	2		Featu	re:		UTM:	25692
Start Tim	ne:	855	2	End Tin	ne: 9	00	4	05692 786278
Habita	at: □Fores	t / □Swamp	/  Marsh	_ /	Pasture / 🗆	1Crop		100270
Species	<50m	50-100m	>100m	Flyovers	Height*	Jane D.	SE	
AMGO	SM			1100		largely cleared of vegetation		
CHSP	×					of vegetation		
BHCO		5M						
HOFI		SM						
	doli.							Ac la Carlon India
	4000							
							160	
						A	(60 5m)	
								50 100
							CUSDA	. /
							CHSP(X)	BHCO (sh)
					h-A			/ (3rl)/
	**************************************			14	h-th-ed-weid-mann-sage announcement const		11.00	
O-On ground;	A-Below heig	ies from project ht of blade swe eep; D-Well abo	ep; <b>B</b> -At heig	ht of blade swee	manager. ep;		HOFI (SM)	
Page o						Quality Control: This for	m is complete 🚨 &	legible .
Signa	iture:			1117		Signature:		
	111		(Field Pers	onnel)			(Project M	lanager)

Station	n: [	3		Featu		UTM: 606 896
Start Time		25	0 / \$5 ACC	End Tin	ne: 9	o 4785741
Habita	t: OF orest	t / □Swamp	/ □Marsh	- / □Hav / □!		
	cun					Duality Strain - T
Species	<50m	50-100m	>100m	Flyovers	Height*	臣
NOCA			SM			NOCACSM
KILL			SM			KINA
REVI	·	SM				ary
AMRO	Ag					FOD
AMGO	SM					REVI' ARSO
3058			5M			(sn) Alesa
CHSP		X				ANTROCA
NRSW	V	will the	y	-		#M6a 50 100
BASW				-		6 (St) 50 100
SASP			5M			MODO TURSUS
MODO	レ					CHSP(X) MODO AVRSUS
						D450
						\ CUM /
-On ground; / -Above heigh	A-Below height of blade swe	ht of blade swe eep; <b>D</b> -Well abo	ep; <b>B</b> -At heigh ove height of b	t of blade swee lade sweep	ep;	
	4					
Station	v /			Featu	re:	UTM: 606866
Station Start Time		35	Y	Featur End Tim		UTM: 606866
Start Time	9		/ □Marsh /	End Tim	ne:	1/05638
Start Time	: QForest	/ 3 <i>5</i> /	/ □Marsh /	End Tim	ne:	UTM: 606866 4785638
Start Time	9		>100m	End Tim	ne:	pp
Start Time Habitat	: 9 :: DiForest	/ □Swamp		End Tim	ne: Pasture / 🗖	DP E
Start Time Habitat pecies VOCA AM60	: 9 :: DiForest	/ □Swamp	>100m	End Tim	ne: Pasture / 🗖	pp
Start Time Habitat pecies VOCA AM60	2: 2Forest CVM <50m	/ □Swamp	>100m	End Tim	ne: Pasture / 🗖	NOCA(SM)
Start Time Habitat  Pecies  NOCA  AMGO  AMRO	: 9 :: DiForest	/ □Swamp	>100m	End Tim	ne: Pasture / 🗖	DP E
Start Time Habitat Species NOCA AMGO AMRO CHSP	2: 2Forest CVM <50m	/ □Swamp	>100m	End Tim	ne: Pasture / 🗖	NOCACSM) AMGO(SM)
Start Time Habitat Species NOCA AMGO	2: 2Forest CVM <50m	/ □Swamp 50-100m S / (	>100m	End Tim	ne: Pasture / 🗖	FOD NOCACSM)
Start Time Habitat  Pecies VOCA AMGO AMGO CHSP DHCO 3ASW	2: 2Forest CVM <50m	/ □Swamp 50-100m S / (	>100m	End Tim	ne: Pasture / 🗖	FOD AMROX
Start Time Habitat  Species  NOCA  AMGO  AMGO  CHSP  DHCO  3ASW	2: 2Forest CVM <50m	/ □Swamp 50-100m S / (	>100m	End Tim	ne: Pasture / 🗖	FOD NOCACSM)
Start Time Habitat Species NOCA AMGO AMGO CHSP	2: 2Forest CVM <50m	/ □Swamp 50-100m S / (	>100m	End Tim	ne: Pasture / 🗖	FOD AMROX
Start Time Habitat  Species  NOCA  AMGO  AMGO  CHSP  DHCO  BASU	2: 2Forest CVM <50m	/ □Swamp 50-100m S / (	>100m	End Tim	ne: Pasture / 🗖	FOD AMROX CHSPISH)
Start Time Habitat  Species  NOCA  AMGO  AMGO  CHSP  DHCO  3ASW	2: 2Forest CVM <50m	/ □Swamp 50-100m S / (	>100m	End Tim	ne: Pasture / 🗖	FOD  AMROX  CHOPEN  50  100
Start Time Habitat  Pecies VOCA AMGO AMGO CHSP DHCO 3ASW	2: 2Forest CVM <50m	/ □Swamp 50-100m S / (	>100m	End Tim	ne: Pasture / 🗖	FOD  AMROX  CHOPEN  50  100
Start Time Habitat  Species  NOCA  AMGO  AMGO  CHSP  DHCO  3ASW	2: 2Forest CVM <50m	/ □Swamp 50-100m S / (	>100m	End Tim	ne: Pasture / 🗖	FOD  AMEO(SM)  AMROX  CHEP(SM)  50  100
Start Time Habitat  Species  NOCA AMGO AMGO CHSP BHCO BHSU SASP	e: 9  In Forest  CVM  <50m	SM SM X	>100 m  SM  SM  ct to project; ct	End Tim	Height*	FOD  AMROX  CHOPEN  50  100
Start Time Habital  Species  NOCA AMGO AMGO CHSP BHCO BHSW SASP	e: 9  A: Differest  CVM  <50m	50-100m SM SM X	>100m  SM  SM  ct to project; ct	End Tim  Hay / Of  Flyovers	Height*	FOD  AMROX  CHOPEN  50  100
Start Time Habital  Species  NOCA AMGO AMGO CHSP BHCO BHSW SASP	e: 9  A: Differest  CVM  <50m	SM  SM  SM  X   Vary from project of blade sweet	>100m  SM  SM  ct to project; ct	End Tim  Hay / Of  Flyovers	Height*	FOD AMROX CHOPEN BHOOGEN BASWOX
Start Time Habitat  Pecies  WOCA AMGO AMGO AMSO AMSO AMSO AMSO AMSO AMSO AMSO AMS	e: 9  t: DForest  CVM  <50m  A-Below height of blade sween	SM  SM  SM  X   Vary from project of blade sweet	>100m  SM  SM  ct to project; ct	End Tim  Hay / Of  Flyovers	Height*	FOD  AMROCIA  CHOPISM  BHCOGON  BASW(X)
Start Time Habitat  Pecies  VOCA AMGO AMGO HSP BHCO SASIV	e: 9  I: DiForest  CVM  <50m  A-Below height of blade sween will a swe	SM  SM  SM  X   Vary from project of blade sweet	>100m  SM  SM  ct to project; ct	End Tim  Hay / Of  Flyovers	Height*	FOD AMROX CHOPEN BHOOGEN BASWOX

Station	n:	1/6	2	Featu				UTM: 606832
Start Time	e: \\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	94		End Tin		150	34 B	UTM: 606832. 4785515
Habita	t: □Fores	et / 🗆 Swamp	/ 🗆 Marsh	_ /	Pasture / 🛘	Crop	1 10	บารสโบบารสารเรียบรอบเรียบ เลยายน
pecies	<50m	50-100m	>100m	Flyovers	Height*		Hay	HOUSE TO MAKE A SEC
AMRO		SM						4
SROP		SM						
MICO		X		Nessi				AMROLSON
M6100		5M	<u> </u>				/	LANCK COTTO
305P	~ M	1011			1			MODO (SM) GARDA
AMGO	SM							505 AM CO (SM) \$05T
EUST	$\frac{\lambda}{\Omega}$					CUT		Ango (Sh) Bo
WIFL	Y		ESCULIA I				1	(FISTA9) WIFLU)
FISP	Ag							50
SASP	1	SM						
BASW	X					Hay	1	X BASW
	-	Lada						The state of the s
1								a com
				1410				SASP(SM)
	t of blade sw	cop, B won abo	ovo noigni or i					
Station		16	ell .	Featu	re:		tiano il	UTM: 6069 92
Station Start Time	n:	16	all	•		1015	tent ii	00712
Start Time	): 	16 10°s	-M	Featu End Tim	ne:	D ^{t 8}	names, mr.NnS	UTM: 6069 92 4785671
Start Time	n: e: t: OFores	(6   Dos t / □Swamp	/ □Marsh	Featu End Tim	ne: Pasture / 🗖	7	manera, maranas Maranasanas maranasanasanasanasanasanasanasanasanasan	00712
Start Time	): 	USwamp	-M	Featu End Tim	ne:	7	national anti-New Hill August 12 anti-New Hill August 12 anti-New Hill August 12	00712
Start Time Habitat	n: e: t: OFores	(6   Dos t / □Swamp	/ □Marsh	Featu End Tim	ne: Pasture / 🗖	7	ntaning on CAnso it Cangaris	4785671
Start Time Habitat  pecies NOCA BASLO	t: OForest	USwamp	/ □Marsh	Feature End Time / DHay / Df	ne: Pasture / 🗖	7		4785671
Start Time Habitat  Pecies NOCA BASLO SOS P	t: OF orest	USwamp	/ □Marsh	Feature End Time / DHay / Df	ne: Pasture / 🗖	Crop		4785671
Start Time Habitat  Pecies NOCA BASLO	t: OForest	Dos t/ Swamp	/ □Marsh	Feature End Time / DHay / Df	ne: Pasture / 🗖	Crop		4785671 W
Start Time Habitat  Pecies NOCA BASLO SOS P	t: OF orest	USwamp	/ □Marsh	Feature End Time / DHay / Df	ne: Pasture / 🗖	Crop		4785671 W NacA(sm)
Start Time Habitat  Pecies NOCA BASLO SOS P	t: OF orest	Dos t/ Swamp	/ □Marsh	Feature End Time / DHay / Df	ne: Pasture / 🗖	Crop		4785671 W
Start Time Habitat  Pecies NOCA BASLO  505 P	t: OF orest	Dos t/ Swamp	/ □Marsh	Feature End Time / DHay / Df	ne: Pasture / 🗖	Crop		4785671 W NacA(sm)
Start Time Habitat  Pecies NOCA BASLO  505 P	t: OF orest	SM	/ □Marsh	Feature End Time / DHay / Df	ne: Pasture / 🗖	Crop		4785671 W NOCA(SM) BASW (X) 5059 (P)
Start Time Habitat  Pecies NOCA BASLO  505 P	t: OF orest	Dos t/ Swamp	/ □Marsh	Feature End Time / DHay / Df	ne: Pasture / 🗖	Crop		4785671 W NOCA(SM) BASW (X) 5059 (P)
Habitation	t: OF orest	SM	/ □Marsh	Feature End Time / DHay / Df	ne: Pasture / 🗖	Crop		4785671 W NOCA(SM) BASW (X) SOSP(P) 50 50 50
Start Time Habitat  Pecies NOCA BASLO SOS P	t: OF orest	SM	/ □Marsh	Feature End Time / DHay / Df	ne: Pasture / 🗖	Crop		4785671 W NOCA(SM) BASW (X) 5059 (P)
Start Time Habitat  Pecies NOCA BASLO  505 P	t: OF orest	SM	/ □Marsh	Feature End Time / DHay / Df	ne: Pasture / 🗖	Crop		4785671 W NOCA(SM) BASW (X) SOSP(P) 50 50 50
Start Time Habitat  Pecies NOCA BASLO SOS P	t: OF orest	SM	/ □Marsh	Feature End Time / DHay / Df	ne: Pasture / 🗖	Crop		4785671 W BASW (X) 5059(D) 500 500 500 500 500
Start Time Habitat  Pecies NOCA BASLO SOS P  AMGO BLATA  Height of blad	t: OForest  <50m  A  P  SM  Ile sweep will	SM  Solution  So	/ @Marsh >100m	Feature End Time / DHay	Height*	Crop		4785671 W NOCA(SM) BASW (X) SOSP(P) 50 50 50
Start Time Habitat  Pecies NOCA BASLO  SOS P  AM GO  BLATA  Height of blad- On ground: A	t: OForest  <50m  A Below height	10°s	/ QMarsh >100m  ct to project; cen: B-At heigh	Feature End Time / DHay / DH Flyovers  Theck with project of blade sweet	Height*	Crop		4785671 W BASW (X) 5059(D) 500 500 500 500 500
Start Time Habitat  Pecies NOCA BAS to SOS P  AM GO BLATA  Height of blad On ground; A Above height	t: OForest  <50m  A-Below height of blade sweep	I Swamp  50-100m  SM  vary from project of blade sweet	/ QMarsh >100m  ct to project; cen: B-At heigh	Feature End Time / DHay / DH Flyovers  Theck with project of blade sweet	Height*	Crop		4785671  W  BASW (X)  5059(D)  50  STAW)
Habitato Hab	t: OFForest  <50m  A-Below height of blade sweep	I Swamp  50-100m  SM  vary from project of blade sweet	/ QMarsh >100m  ct to project; cen: B-At heigh	Feature End Time / DHay / DH Flyovers  Theck with project of blade sweet	Height*	Quality C		4785671 W BASW (X) 5059(D) 500 500 500 500 500

Habitat: Fore	1015					
	10		End Tim	ne:	1020	UTM: 607628 4 785448
cies <50m		/ □Marsh	_ / □Hay / □F	Pasture / 🗖	Crop	2 Charline Equipment La repeto (La de
	50-100m	>100m	Flyovers	Height*	1189611	S'
1co V			V			
AVI Aa						
MRO X						
ASW X						
MR	X (7)					
lono		Sm	34.		M080	SHCO
		<u> </u>		·····	(3m)/	Forest WAVI (A)
						hay wash
					= =	50
						AMAO /
					\-	hawn /
		4				MIRGI BASW
						Minute 1
ght of blade sweep w	ill vary from proje	ct to project: c	heck with proje	ct manager		
ground; A-Below he ove height of blade s	ight of blade swe weep; <b>D</b> -Well abo	ep; <b>B-</b> At heigh ove height of b	it of blade swee lade sweep	ep;		
Station:			Featur			1.000.0
- S. U. ION			reatur	e:		UTM:
art Time:		H	End Tim			UTM:
	st / □Swamn	/ □Marsh	End Tim	e:	Cron	UIM:
Habitat: ☐Fore			End Tim - ' □Hay / □F	e:	Crop	OTM:
Habitat: □Fore	st / 🗅 Swamp	/ □Marsh /	End Tim	e:	Crop	UTM:
Habitat: □Fore			End Tim - ' □Hay / □F	e: Pasture / 💷	Crop	OTM:
Habitat: ☐Fore			End Tim - ' □Hay / □F	e: Pasture / 💷	Crop	OTM:
Habitat: □Fore			End Tim - ' □Hay / □F	e: Pasture / 💷	Crop	OTM:
Habitat: ☐Fore			End Tim - ' □Hay / □F	e: Pasture / 💷	Crop	OTM:
Habitat: ☐Fore			End Tim - ' □Hay / □F	e: Pasture / 💷	Crop	OTM:
Habitat: ☐Fore			End Tim - ' □Hay / □F	e: Pasture / 💷	Crop	OTM:
Habitat: ☐Fore			End Tim - ' □Hay / □F	e: Pasture / 💷	Crop	OTM:
Habitat: ☐Fore			End Tim - ' □Hay / □F	e: Pasture / 💷	Crop	OTM:
Habitat: ☐Fore			End Tim - ' □Hay / □F	e: Pasture / 💷	Crop	
Habitat: ☐Fore			End Tim - ' □Hay / □F	e: Pasture / 💷	Crop	50
Habitat: ☐Fore			End Tim - ' □Hay / □F	e: Pasture / 💷	Crop	
Habitat: ☐Fore			End Tim - ' □Hay / □F	e: Pasture / 💷	Crop	
Habitat: ☐Fore			End Tim - ' □Hay / □F	e: Pasture / 💷	Crop	
Habitat: □Fore	50-100m	>100m	End Tim	e: Pasture / 🗆	Crop	
Habitat: □Fore	50-100m	>100m	End Tim	Pasture / 🗆 ( Height*	Сгор	
Habitat: □Fore	50-100m	>100m	End Tim  Hay / OF  Flyovers  heck with project of blade swee	Pasture / 🗆 ( Height*	Сгор	
Habitat: □Foresties <50m	50-100m	>100m	End Tim  Hay / OF  Flyovers  heck with project of blade swee	Pasture / 🗆 ( Height*	Сгор	
Habitat: □Foresties <50m	50-100m	>100m	End Tim  Hay / OF  Flyovers  heck with project of blade swee	Pasture / 🗆 ( Height*		

### Stantec

REPORT ON FOUR AVIAN SPECIES AT RISK AND OTHER BREEDING BIRD SPECIES WITHIN FRUITLAND-WINONA SECONDARY PLAN AREA, SCUBE CENTRAL, SCUBE EAST 'A' AND SCUBE EAST 'B' PARCELS

APPENDIX C: Data Sheets November 28, 2012

# Appendix C2: Scube Parcels

MSW Hamilton-SCUBE. 60950443 June 26 2012 location # sureble Time startion um # CHSW Obs. chimneys 0609.819 09:30 none. whonakde 4785639 -all-narrow, Windra dum or capped Equip 0609305/ 2 09:45 10 Me - new housing to now de housing to w-de houses - smi/capped 1216 4785335 Bardon 0609056/ 10:00 none 47.85414 Bawon 0608835 10'.15 LOUND across of 4785328 nore (no other 3 has on Lewis -#265- Ing wide climiney-not Visibicifacces no other pot, structures-all visible from #4stn) 10:30 5 60 85911 #1123 has 1123 Hwy8. 4784942 long nanow brok Chrimney as stacks anotapparen it access 6683221 10:45 6 478 4897 memphistire BBQ. none - capped/ Thai culting 6608135/ 11:00 7 ? older house-1059 nangu long GBACK-no caps topnot. 11:15 8 201 06078257 menercy Kd. 4784837 noneg 0607909 235 meneily 120 4785077 6667970 none 4785277 moneily ke 0608046/ 12'00 11 297 mchaily none (mineily/barton) 478 5539

Scube Jone 26 2012 CHSW Time Station # soitable UTM # 015W Chimneys observed 12 (1095 Boston) 608636 1215 None Ø 4785483 13 (1226 Huy 8) 1230 609256 None 4784859

Augusta	CHSW	160950443	JULY 4, 2012	HAMILTON- SCUBE
TIME:	STATION:	UTM:	# OF SUTABLE CHIMNEYS	# CHSW OBSERVED:
10:35	0	0609819	Ø S	OSSERVES .
10:52	2	0609305 4785335	8	Ø
11:08	3	0609056	Ø	Ø
11:26	9	0608835	Ø	Ø
11:43	5	0608591 4784942	Ø	& Bries
11:58	6	060832Z 4784897	Ø	Ø
12:15	<b>(7)</b>	0608135	Ø	Ø
12:30	8	0607825 4 <b>7</b> 84 <b>8</b> 37	Ø	B
12:45	9	0607909 4785077	Ø	B
13:00	10	0 <b>607</b> 970 4785277	Ø	Ø
13: 15		0608046	Ø	8
13:30	(12)	0608636 4785483	Ø	B
13:47	13	0609256 4784859	8	8

Chimney Assessment Form Fcube.
Page 1

Observation Data II		Page 1					12 2012	
Observer Details						July	12,2012	10: 05A1
Name D. Graham	Phone Numbe	r		Email Addre	ss	-13	-	-
Street Address		С	ity		Prov.	Postal Code		
Building Details					:55			
Street Address 24 Victoria		С	ity Wine		Prov.	Postal Code		
Owner Name	Phone Numbe	r		Email Addre	ss			
Type of building (please check one):								
House Church	☐ Store	•						
Lowrise Apartment School	Fact	ory						
Highrise Apartment Hospital	Othe	r, pleas	se specify:					
Chimney Details								
Site Name		Chimne	ey Code	1 1 1				
000		NOTE:		- WI	atod using	the following se	nhome:	
GPS coordinates (DD.dddd): Lat. \$785637	°N	NOIL.						
Long. 60 801	۰W		City in	liais - Site	minais - C	himney Numb No. of	er	
	-	Eg.	City Name Port Rowar		<u>lame</u> c <b>L</b> ibrary	Chimneys 1	Code PR-PL-1	
Number of years active (if known):			<b>Lo</b> ndon	141 V	Vortley	2	LO-141-1 LO-141-2	
Chimney material (please check one):		lf possi building	ble, please	draw a pictu	re of the ch	imney location coordinates wer	on the	
☐ Brick ☐ Stucco	•							
☐ Concrete ☐ Stone								
Other, please specify:								
						2		
If the chimney is modified (cap, liner, etc.), pleas appropriate modification:	se check the					300		
☐ Cap ☐ Terra Cotta Liner						9		
Animal Guard Spark Protector				1		一个	)	
Metal Liner Other, please speci	fy:					1 /	46.50	
				1	_	1		
Surrounding habitat (please check one):								
Residential Industrial								
☐ Commercial ☐ Naturel								
Other, please specify:						,		
Please select the SHAPE of your chimney and p	provide the appre	priate (	estimated m	neasurement	ts:		-	
☐ Røund → Diameter (cm):	1.6							
planter (em).	<del></del>			NO	TE: Measu	rements can so	ometimes be	
Square → Width (cm):			. 1	esti	mated by c	ounting bricks. following mea	Standard	
Rectangular → Width (cm):	Lengt	h (cm):	40			6cm (L x W x		

Chimney height above roofline (m):	am	Number of Flues:			Colour of Chimney:	Brown		
Total Chimney Height (m)	Number of sto		3 m (approx heigh of one story)		A ht above roofl	= ine (m)	5	_ m
If swifts are prese	ent, are they	: Ne	sting	☐ Roosti	ng 🗌	Unknown		
Additional Comments		lone	And Park			o Digital	Ves	
				,				

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Environment Canada

Environnement Canada

Région de l'Ontario Ontario Region



### **Observer Details**

Name	Phone Numb	er	Email Address		
Street Address	//	City	Pro	ov. Postal Code	
Building Details			I		
Street Address 1220 Barto	^	City	Pro	ov. Postal Code	
Owner Name	Phone Numb	ег	Email Address		
Type of building (please check one):	_		···-		
House L Church	∐ Sto				
Lowrise Apartment School Highrise Apartment Hospital		ctory er, please specify	:		
Chimney Details					
Site Name		Chimney Code	<u> </u>		
2			SC - B -		
GPS coordinates (DD.dddd): Lat. 4185369	° N			using the following s	
Long. 609 37 9	. M	-		s - Chimney Numl	
Number of years active (if known):		Eg. <u>City Nam</u> Port Row London		ary 1	Code PR-PL-1 LO-141-1 LO-141-2
Chimney material (please check one):				the chimney location the coordinates we	on the
☑ Brick ☐ Stucco		<b>U</b>			
Concrete Stone			Bank	x obs pt	•
U Other, please specify:				7	
If the chimney is modified (cap, liner, etc.), plea	se check bo		1 [		
appropriate modification:	se crieck the				
Cap V Terra Cotta Liner					
Animal Guard Spark Protector					
☐ Metal Liner ☐ Other, please speci	fy:				
Surrounding habitat (please check one):					
Residential Real Industrial					
Commercial Natural					
Other, please specify:					
Please select the SHAPE of your chimney and	provide the app	ropriate estimated	measurements:		
Round → Diameter (cm):					
Square → Width (cm):			estimate	Measurements can s d by counting bricks	. Standard
Rectangular → Width (cm):	Leng	gth (cm):		ive the following mea 9cm x 6cm (L x W x	

Chimney height above roofline (m):	1	Number of Flues:	l		Colour of Chimney:	Beige		
Total Chimney Height (m)	1 Number of sto	× ries in	3 m	+ nt Heig	ht above roof	= ine (m)	4	m
	building		of one story				H-1	# []
If swifts are prese	ent, are they	: N	esting	☐ Roost	ing 🗌	Unknown		
Additional Comments	:				4.4- P			
	No	ne						

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Environment Canada Ontario Region Environnement Canada Région de l'Ontario



### **Observer Details**

Name	Phone Numb	per	Email Address	
Street Address		City	Prov.	Postal Code
L				
Building Details				
Street Address 1182 Borto	11	City	Prov.	Postal Code
Owner Name	Phone Numb	per	Email Address	
Type of building (please check one):	1( )			
House Church		ore		
		ctory her, please specify		
		ner, please specify		
Chimney Details				
Site Name		Chimney Code	SC-B-3	<u> </u>
GPS coordinates (DD.dddd):		NOTE: Chimne	y codes are created using	
Lat. 4785399	_ ° N	City I	Initials - Site Initials - C	Chimney Number
Long. <u>(009098</u>	_ ° W	Eg. City Nam	ne Site Name	No. of Chimneys Code
Number of years active (if known):		Port Row London		1 PR-PL-1 2 LO-141-1 LO-141-2
Chimney material (please check one):			se draw a picture of the cong the position where the	
☑ Brick ☐ Stucco			0 . 01	
Concrete Stone			Barton Kd-	
Other, please specify:				
If the chimney is modified (cap, liner, etc.), ple appropriate modification:	ease check the			
Cap			4	
Animal Guard Spark Protector		<u> </u>		
☐ Metal Liner ☐ Other, please spe	cify:			
outer, please spe				
Surrounding habitat (please check one):				
Residential Rura Industrial				ш и ц
☐ Commercial ☐ Natural				
Other, please specify:				4
Please select the SHAPE of your chimney and	d provide the ap	propriate estimated	i measurements:	
☐ Round → Diameter (cm):	. 'F'	. •		
Square → Width (cm):				surements can sometimes be counting bricks. Standard
	10	21	bricks have the	ne following measurements:
Rectangular → Width (cm):	Ler	ngth (cm):	<u>U</u>	

Chimney height above roofline (m):		Number of Flues:	1		Colour of Chimney:	Brown		
Total Chimney =	2	×	3 m	+	1	=	7	m
	Number of stor building	ies in	(approx height of one stor		leight above roofl	ine (m)	-/1=	Pepal Avilla
If swifts are preser	nt, are they:	□ N	esting	☐ Roc	sting 🗌	Unknown		
Additional Comments:					pat	917 1784		н
	Nasa							4.4
	vone							
								riigh s
								nion is

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Environnement Canada

Ontario Region Région de l'Ontario



### **Observer Details**

4					
Name	Phone Number	er	Email Addres	s	
Street Address	1 /	City	<u> </u>	Prov.	Postal Code
Building Details				8	
Street Address		City		Prov.	Postal Code
Owner Name	Phone Number	er	Email Addres	s	
	( )				
Type of building (please check one):					
House Church	☐ Stor	re			
Lowrise Apartment School	☐ Fac	tory			
Highrise Apartment Hospital	☐ Oth	er, please specify			
Chimney Details					
Site Name	<u>.</u>	Chimney Code			
Site Maine 4			SC-L-	4	
GPS coordinates (DD.dddd):		NOTE: Chimne	y codes are cre	ated using	g the following scheme:
Lat. 4785277	° N	City	Initials - Site I	nitials - C	Chimney Number
Long. 669805	° W	Eg. City Nan	ne Site N	<u>ame</u>	No. of Chimneys Code
Number of years active (if known):		Port Row London		Library /ortley	1 PR-PL-1 2 LO-141-1 LO-141-2
Chimney material (please check one):					himney location on the coordinates were taken.
Brick Stucco		bulluling, moluuli	ig the position v	VIICIC LIIC	coordinates were taken.
☐ Concrete ☐ Stone					
Other, please specify:					_
		7			
If the chimney is modified (cap, liner, etc.), plea	and object the			11	
appropriate modification:	ise crieck trie				
☑ Cap ☐ Terra Cotta Liner					,
☐ Animal Guard ☐ Spark Protector					
☐ Metal Liner ☐ Other, please spec	ify:	< N	Lewis		
		-			
Surrounding habitat (please check one):					
Residential Co. Industrial					
☐ Commercial ☐ Natural					
Other, please specify:					
Please select the <b>SHAPE</b> of your chimney and	provide the app	ropriate estimated	i measurement	s:	
Round → Diameter (cm):					
✓ Square → Width (cm):					surements can sometimes be counting bricks. Standard
	6	=	bric	ks have th	ne following measurements:
Rectangular → Width (cm): _	Lenç	gth (cm):	<u>U</u> 200	III A JUIII	A VOIII (E A TT A FI)

Chimney height above roofline (m):	Number of Flues:	of 2		Colour of Chimney:			
Total Chimney =	mber of stories in building	× 3 m (approx heigh of one story)		3 nt above roofline (m)	= .	6m	_ m
If swifts are present,	are they:	Nesting	☐ Roosti	ng 🗌 Unkno	wn		
Additional Comments:				To the s	П	0.47	
^	lone.						

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Observer Details				
Name	Phone Numb	er	Email Address	
Street Address	( )	City	Pro	v. Postal Code
Puilding Dataile				. 1
Building Details				
Street Address	wy 8	City	Pro	v. Postal Code
Owner Name	Phone Numb	er	Email Address	
Type of building (please check one):				
☐ House ☐ Church	☐ Sto	re		
Lowrise Apartment School	∏ ,Fac	ctory		
Highrise Apartment Hospital	<b>☑</b> Oth	ner, please specify:	Hote	
Chimney Details				
Site Name		Chimney Code	SC -8 -,	5
GPS coordinates (DD.dddd):		1		using the following scheme:
Lat. 4784962	° N	City I	nitials - Site Initials	s - Chimney Number
Long. 608720	° W			No. of
Number of years active (if known):		Eg. <u>City Nam</u> Port Row London		
Chimney material (please check one):		If possible, pleas	e draw a picture of the	he chimney location on the the coordinates were taken.
Brick Stucco		bullung, moldum	g the position where	the coordinates were taken.
☐ Concrete ☐ Stone				
Other, please specify:				
If the chimney is modified (cap, liner, etc.), pleas appropriate modification:	se check the			
Cap Terra Cotta Liner				,
Animal Guard Spark Protector				
Metal Liner Other, please specif	fy:		Huy 8	X
				<b>/</b> *
Surrounding habitat (please check one):				
Residential COCON Industrial				
Commercial Natural				
Other, please specify:				
Please select the SHAPE of your chimney and p	rovide the app	propriate estimated	measurements:	,
Round → Diameter (cm):				
✓ Square → Width (cm):				Measurements can sometimes be I by counting bricks. Standard
Rectangular → Width (cm):	() Len	gth (cm):	bricks hav	ve the following measurements: ccm x 6cm (L x W x H)

Chimney height above roofline (m):	Num Flues	ber of s:		Colour of Chimney:	Brown		
Total Chimney = Nu	mber of stories in building	× 3 m	eight Heig	2 ht above roofl	= ine (m)	8	_ m
If swifts are present,		☐ Nesting	☐ Roosti	ing 🗌	Unknown		
Additional Comments:							
		None-					

Created by:



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Environment Canada Ontario Region

Environnement Canada Région de l'Ontario



**McIlwraith Naturalists** 

Observer Details					
Name	Phone Numb	er	Email Address		
Street Address	( )	City	P	Prov.	Postal Code
	W)				
Building Details					
Street Address	8	City	P	rov.	Postal Code
Owner Name  1101 Hwy	Phone Numb	er	Email Address		
	( )				
Type of bailding (please check one):					
House Church	☐ Sto	re			
Lowrise Apartment School	Fac	ctory			
☐ Highrise Apartment ☐ Hospital	Oth	ner, please specify	:		
Chimney Details					
Site Name	·-·	Chimney Code			
6			SC - 8-	6	900
GPS coordinates (DD.dddd):		NOTE: Chimne	y codes are create	d using	the following scheme:
Lat. <u>4784 905</u>	° N	City	Initials - Site Initia	als - Cl	nimney Number
Long. 608404	° W	Eg. City Nam	ne Site Nam	e	No. of Chimneys Code
Number of years active (if known):	-	Port Row London		orary	1 PR-PL-1 2 LO-141-1 LO-141-2
Chimney material (please check one):					mney location on the oordinates were taken.
☑ Brick ☐ Stucco		bunung, moluum	ig the position wife	ic the o	Solullates were taken.
☐ Concrete ☐ Stone					
Other, please specify:			P.		4
If the chimney is modified (cap, liner, etc.), plea appropriate modification:	se check the				
Cap Terra Cotta Liner					
			11	5	
Animal Guard Spark Protector			Hwy	0	
Metal Liner Li Other, please spec	ify:		1		
Surrounding habitat (phase check one):					
Residential (1) Industrial					
Commercial Natural					
Other, please specify:					
Please select the <b>SHAPE</b> of your chimney and	provide the app	propriate estimated	I measurements:		
Round   Diameter (cm):					
□/Square → Width (cm):			NOTE:	Measu	rements can sometimes be
Square 9 Width (CIII).					ounting bricks. Standard following measurements:
Rectangular → Width (cm):	Len	gth (cm):	*		6cm (L x W x H)

Chimney height above roofline (m): 0.5	Number of Flues:		Colour of Chimney:	Brown	
Total Chimney Height (m) = 2  Number of sto building	\ ·		0.5 ht above roof	ine (m)	<u>6.5</u> m
If swifts are present, are they	: Nesting	☐ Roosti	ng 🗆	Unknown	
Additional Comments:			0 15		rd h
_	None				10(7)
					, A

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In partnership with:







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Environnement Canada

Ontario Region

Région de l'Ontario



Observer Details					
Name	Phone Number	er	Email Address	S	;4 ;=
Street Address		City		Prov.	Postal Code
Building Details					
Street Address 1559 Hun 8		City		Prov.	Postal Code
Owner Name	Phone Number	er	Email Address	S	
Type of building (please check one):		: I -	. **		
House Church	☐ Sto	ге			
Lowrise Apartment School	☐ Fac	tory			
Highrise Apartment Hospital	Oth	er, please specify:			
Chimney Details					
Site Name § 7		Chimney Code	8 -	7	
GPS coordinates (DD.dddd):		NOTE: Chimney	codes are crea	ated using	g the following scheme:
Lat. 4784859	° N	City I	nitials - Site Ir	nitials - C	Chimney Number
Long. 608 145	° W	Eg. City Nam	e Site Na	ame	No. of Chimneys Code
Number of years active (if known):		Port Row London		Library	1 PR-PL-1 2 LO-141-1 LO-141-2
Chimney material (please check one):					himney location on the coordinates were taken.
Brick Stucco		January, monagen,	g the poolion to	11010 1110	oostamatoo woro takon.
☐ Concrete ☐ Stone					
Other, please specify:				7	
		<b>k</b>			
If the chimney is modified (cap, liner, etc.), pleas appropriate modification:	se check the				
☐ Cap ☐ Terra Cotta Liner					
Animal Guard Spark Protector			1) 8		X_
☐ Metal Liner ☐ Other, please speci	fy:		Hay. 8		
No modifi	Gation S				
Surrounding habitat (please check one):					
Residential CV Industrial					
Commercial Natural					
Other, please specify:					
Please select the SHAPE of your chimney and p	provide the app	ropriate estimated	measurements	<b>3</b> :	
Round → Diameter (cm):					
□/Square → Width (cm):					urements can sometimes be
Pectangular > Width (cm):	in lan	ath (cm):	brick	s have th	counting bricks. Standard ne following measurements: x 6cm (L x W x H)

Chimney height above roofline (m):	3	Number of Flues:	2			our of nney:	Brown	_	
Total Chimney =	3 Number of sto	×	3 m	+	Height abo	ve roofline	= e (m)	-11	m
If swifts are pres	building		of one sto	ry)				- mart	
Additional Comments	ent, are they  None  Hhat  chimi	observe ooks vey Swin	al. 15 sutal	chi ole	tor i	× 50	cube p	orcels	76

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Environnement Canada

Ontario Region Région de l'Ontario



### **Observer Details**

p .						
Name	_	Phone Numbe	r	Email Address	3	
Street Address			City		Prov.	Postal Code
Building Details						
Street Address	c Neilly		City		Prov.	Postal Code
Owner Name	c luestly	Phone Numbe	er	Email Address	<del></del>	
		( )				
Type of building (please check	·					
House	☐ Church	☐ Stor	_			
Lowrise Apartment	☐ School	∐ Fact				
Highrise Apartment	Hospital	☐ Othe	er, please specify:			
Chimney Details						
Site Name			Chimney Code	SC - 1	1-8	<b>Κ</b>
GPS coordinates (DD.	4444 <i>)</i> .		NOTE: Chimney		-X	the following scheme:
Lat. 4784	4984	° N	City I	nitials - Site In	itials - C	Chimney Number
Long. 607	878	• w	-			No. of
Number of years			Eg. <u>City Nam</u> Port Row		<u>ime</u> Library	Chimneys Code 1 PR-PL-1
active (if known):			<b>Lo</b> ndon	141 W	ortley	2 LO-141-1 LO-141-2
Chimney material (please chec	ck one):					himney location on the coordinates were taken.
☐ Brick ☐	Stucco		<u>.</u>	•		
☐ Concrete ☐	Stone					
Other, please specify:				A		
				1 7		
If the chimney is modified (cap	, liner, etc.), pleas	se check the			9	6
appropriate modification:					\	
☐ Cap ☐ Te	rra Cotta Liner				1/	1
☐ Animal Guard ☐ Sp	ark Protector				K.	
☐ Metal Liner ☐ Oti	her, please specif	iy:				
					N.	
Surroynding habitat (please ch	eck one):	-			1	
Residential / CV	Industrial					- I-I
Commercial	Natural					
Other, please specify:						
Please select the SHAPE of yo	ur chimney and p	rovide the appr	opriate estimated	measurements	:	
☐ Round → Dia	ameter (cm):					
□ Square → Wie	dth (cm):					surements can sometimes be counting bricks. Standard
abla	1.0		oth (om): 30	brick	s have th	ne following measurements:
Rectangular → Wid	dth (cm):	) Leng	ith (cm):			~ (= ^ TT A II)

Chimney height above roofline (m):	Num Flue:	ber of 4		olour of himney: Belgat	·)
Total Chimney = Height (m)	Number of stories in building	× 3 m	eight Height ab	ove roofline (m)	<u>₩</u> m
If swifts are prese	nt, are they:	☐ Nesting	☐ Roosting	Unknown	
Additional Comments:		None			
			=		Sec. MV — armi

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Ontario Region

Région de l'Ontario



**McIlwraith** Field Naturalists

Observer Details				
Name	Phone Numbe	er	Email Address	
Street Address	**	City	Prov.	Postal Code
Building Details				
Street Address 252 No N	-1h.	City	Prov.	Postal Code
Owner Name	Phone Number	er	Email Address	
Type of building (please check one):				
House Church	☐ Stor	ге		
Lowrise Apartment School	☐ Fac	tory		
☐ Highrise Apartment ☐ Hospital	Oth	er, please specify:		
Chimney Details		-		
Site Name		Chimney Code	C-M-9	
GPS coordinates (DD.dddd):				sing the following scheme:
	° N	City I	nitials - Site Initials	- Chimney Number
Long. <u>607939</u>	° W	Eg. City Name	e Site Name	<u>No. of</u> Chimneys Code
Number of years active (if known):		Port Row London		
Chimney material (please check one):				e chimney location on the ne coordinates were taken.
Brick Stucco		Danamy, moracing	y the position where th	te doordinates were taken.
☑ Concrete ☐ Stone		1		
Other, please specify:				
			\ _	
If the chimney is modified (cap, liner, etc.), pleas appropriate modification:	se check the	2		
Cap Terra Cotta Liner		6		~
Animal Guard Spark Protector		2	1	
Metal Liner Other, please specif	īy:	9		
		3		
Surrounding habitat (please check one):				
Residential Cural Industrial		4		
Commercial Natural				
Other, please specify:				
Please select the <b>SHAPE</b> of your chimney and p	provide the app	ropriate estimated	measurements:	-
☐/Round → Diameter (cm):				
Square → Width (cm):				easurements can sometimes be by counting bricks. Standard
Rectangular > Width (cm):	) len	gth (cm):	bricks have	e the following measurements: m x 6cm (L x W x H)

Chimney height above roofline (m):	Number of Flues:		Colour of Chimney:	Grey		
Total Chimney Height (m)  Number of sto			above rooflir	= / ne (m)	5	m
If swifts are present, are they	: Nesting	Roosting		Unknown		
Additional Comments:	None					

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Name		Phone Num	ber		Emai	il Address	5		
Street Address				City			Prov.	Postal Code	!
Building Details									
Street Address 276 M	Nei	1/		City			Prov.	Postal Code	
Owner Name	700	Phone Num	ber		Ema	il Addres	S		
Type of building (please check one):		,			J				
☐ House ☐	Church	☐ si	tore						
☐ Lowrise Apartment ☐	School	☐ Fa	actory						
	Hospital	_	-	ease speci	fy:				
	<del> </del>								
Chimney Details									
Site Name			Chir	nney Code	51	/	4-11	7	
140			NO.	F: Chimn				the following	scheme
GPS coordinates (DD.dddd) Lat. 4785 345		N							
( - O- G		W		City	initials	s - Site ir	iitiais - C	Chimney Num No. of	iber
Long. 607 18 7		VV	Eg.	City Na Port Ro		Site Na	ame Library	Chimneys 1	Cod PR-I
Number of years active (if known):				Londor		141 W		2	LO-1
Chimney material (please check one):								himney location coordinates we	on the
Brick Stucco			Dunc	iiig, iiiGuu	ing the p	JOSILIOIT W	nere the	Coordinates we	sic take
☐ Concrete ☐ Stone			İ						
Other, please specify:				<b>S</b> .					
			<	201	1				
If the phinancian addition of the same			4			U	)		
If the chimney is modified (cap, liner, e appropriate modification:	tc.), piease	cneck the	=						
☐ Cap Terra Cott	a Liner			ق					
Animal Guard Spark Prof	ector		•	2	(				
	ase specify	•	-	$\frac{\circ}{\circ}$	L				
	ioo opcony		"						
			-	11/					
Surrounding habitat (please check one									
Residential Co	al								
Commercial Natural									
Other, please specify:									
Please select the <b>SHAPE</b> of your chim	ney and pr	ovide the ap	opropria	ite estimat	ed meas	urements	s:		
Round   Diameter (	cm):								

Chimney height above roofline (m): 0.5	Number of Flues:	l		Colour of Chimney:	Brow	7	
Total Chimney Height (m)  Number of steel building	ories in (ap	3 m prox height one story)	+ Heigh	0.5	= ne (m)	3.5	_ m
If swifts are present, are they	: Nesti	ng [	Roosti	ng 🔲 l	Jnknown		
Additional Comments:	_ 1			5 J. 20 IV			
	None						
		= =1					3117

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

### Barn Swallow Observation Form

	Tel: (519) 836-6050
Stantec	Fax: (519) 836-2493
Stanted	

Stantec					
Project Number 60	1950443	3	Project Name:	Scobe	
Date: June 24	0,2012		Field Personnel: _	N. Kop	ysch
Weather Conditions:	Temp: 15 も 20°C	Wind:	Cloud: 20%	PPT:	PPT in last 24 hrs:
				/	

Survey	Time	GPS	# BARS	Type of	Accessible		
Station		Coordinates	observed	structure (e.g.	nesting sites		ests
			87	barn, culvert)	(Y or N)	Active	Inactive
15	650-655	6/0044,470		N.A.	Foragi	19 01	<i>y</i>
8	704-709	610651, 47850	97 2	N.A.	Forag	wo and	<u></u>
17	749-754	6087844785	104	N.A.	Forego	اری ها	
5	835-840	608784 4785 608294 47855	34 1	N.A.	Famous		,
6	845 - 850	608.587 478 5	464 3	NA.	Forac	Re ont	
18	900 905	610787 47855	50 [	NA	Foraci	na on	~
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	L						

Quality Control: This form is complete () & legible ().			
Signature:	Signature:		
(Field Personnel)		(Project Manager)	
		REV: June-09	FORM 034



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

### **Barn Swallow Observation Form**

Stantec					
Project Number	009504	43	Project Name:	Scube	
Date: July 4	2012		Field Personnel: _	Michael O	liveira
Weather Conditions:	Temp:	Wind:	Cloud:	PPT:	PPT in last 24 hrs:

Survey	Time	GPS	# BARS	Type of	Accessible		
Station		Coordinates	observed	structure (e.g.	nesting sites		ests
				barn, culvert)	(Y or N)	Active	Inactive
68	651-656	608587, 4785	464 1	N.A.	Foraging	orly	
8	70 70	610089 4789	L7 2	N.A.	Foragina	01/4	
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Quality Control: This form is complete () & legible ().			
Signature:	Signature:		
(Field Personnel)	G 11	(Project Manager)	
		REV: June-09	FORM 034



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

### **Barn Swallow Observation Form**

	12/2				
Project Number 160	9 50443	<b>.</b>	Project Name:	Scube	
Date: July 12, 2012			Field Personne	1: D. Gra	nga
Weather Conditions:	Temp:	Wind:	Cloud:	PPT:	PPT in last 24 hrs:

Survey	Time AM	GPS	# BARS	Type of	Accessible			
Station	HIT	Coordinates	observed	structure (e.g.	nesting sites		ests	
	117	608483		barn, culvert)	(Y or N)	Active	Inactive	-
2	545	4784921	2		of securities a section of the order of the production on the particular of the order of the ord			For
4	613	608758	3					For
6	645		1					E
8	705	4785097	,					For
11	745	619234						Ford
14	815	609860 4785605	1					F
15			3	}			-	F 0
11	835	608784	3					ror
16	850	611 2 2-8						For
1	000	610787 4788550 608784 4785104 611228 478587	4					Fo,
rvice Ry				0	4.1			
rvice Ky	1210	943785577	0	Box culvert	N			
1007- H-y8	1230	60 4984950	ð	Box alvert	N			

Quality Control: This form is complete () & legible ().	1	١		
Signature:	Signature:	\		
(Field Personnel)	_		(Project Manager)	
			REV: June-09	<b>FORM 034</b>

# The second

### Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5

## Bobolink and Eastern Meadowlark Breeding Survey Form

	Canada N1G 4P5
,	Tel: (519) 836-6050
Stantor	Fax: (519) 836-2493

Destructed to the							
Project Number: 609	Number: 60950443		Project Name:	Project Name: Hami Hon-Winona/			
Date: JUNE 26 2012			Field Personnel: N, KOPYSH SWB				
In all and On a distance in	MP (°C):	WIND:	CLOUD: 20%	PPT:	PPT (in last 24 hrs):		
Please mark transect loca P+, Locatio Transact No.: 3 Start Time: 07:5 Start Point UTM:		np and indicate a	Habitat:	vations on map. Open ield. 08:05			
pecies			Tally				
obolink	0		n octory				
astern Meadowlark							
H. location	7		Habitat:	200 []	1 ( )		
Start Time: 7" tart Point UTM: 6092		785339	End Time:	open field	d (can't see we		
Start Time: 711 tart Point UTM: 6092 C	161,4	785339	End Time:	openfield fzi	d (can't see we		
Start Time: 716 Start Point UTM: 60 92 Copecies obolink		785339	End Time:	open field	d (con't see we		
Start Time: 716 Start Point UTM: 60 92 Coecies Obolink	161,4	785339	End Time:	openfield Tzi	d (on't see we		
Start Time: 715 Start Point UTM: 6092 C pecies obolink astern Meadowlark  All Ahan habt Aill Ahan habt	+61, 4 Ø		End Time:  End Point UTM:  Taily  Taily  Cfrom va	hall or depoted	m (for 6 drm in shrub/succ, mal?		
Start Time: 7 19 Start Point UTM: 692 Copecies obolink astern Meadowlark	+61, 4 Ø		End Time: End Point UTM: Taily	hall or depoted	m(forb drmina shrvb/succ, mal?		

Pt. location						
T <del>ransect No.</del> :		Habitat:	tield			
Start Time: 727		End Time:	732			
Start Point UTM: 608758	, 4785292	End Point UTM:				
Species	7	Tally				
Bobolink	Ø	-				
Eastern Meadowlark						
			Ti .			
Pt. location						
Transect No.:	3	Habitat:	Open fold			
Start Time: 742		End Time:	747			
Start Point UTM: 608816	4785156	End Point UTM:				
Species		Tally				
Bobolink	Ø					
Eastern Meadowlark	1					
	Nation 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
Transect No.:		Habitat:				
Start Time:		— — — End Time:				
Start Point UTM:		End Point UTM:				
Species Bobolink		Tally	) (Strate			
Eastern Meadowlark						
_						
Pg of			form is complete 🔲 & legible 🔲.			
Signature:	1 Parsanna!\	Signature:	(Deplet Man			
(Field	d Personnel)		(Project Manager) REV: 2011-06-03 / FORM 014c			



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

### Bobolink and Eastern Meadowlark Breeding Survey Form

Stantec	Fax: (519) 836-249	3				
Project Number	160950	1443	Project Name:	HAMILTON - SCUBE		
Date	JULY 4	2012	Field Personnel:	MICHAEL	OLIUEIRA	
Weather Conditions:	TEMP (°C):	WIND: 1-2	CLOUD: 50%	PPT:	PPT (in last 24 hrs):	

	#3	Habitat:	OPEN FIELD	
Start Time:	5:15	End Time:	06:25	
Start Point UTM:		End Point UTM:		
Species		Tally		
Bobolink	Ø			
Eastern Meadowlark	Ø			
				· · · · · · · · · · · · · · · · · · ·
Transect No.:		Habitat:		
Start Time:		End Time:		
Start Point UTM:		End Point UTM:	W-11	
Species		Tally		
Bobolink				
Eastern Meadowlark				
Eastern Weadowiark	<b>I</b>			
Castelli Meadowlark				

Pg. 1 of 1 Signature:	Mila	Quality Control: This form is con	mplete 🗖 & legible 📮.
Jigilature.	(Field Personnel)	Signature.	(Project Manager) REV: 2011-06-03 / FORM 014c

## Stantec Consulting Ltd. 1 - 70 Southgate Drive **Bobolink and Eastern Meadowlark** Guelph, ON Canada N1G 4P5 **Breeding Survey Form** Tel: (519) 836-6050 Fax: (519) 836-2493 Project Number: Project Name: Date: Field Personnel: TEMP (°C): WIND: CLOUD: PPT: PPT (in last 24 hrs): Weather Conditions: 16-25 0-1 1070 None Please mark transect location on map and indicate areas of species observations on map. Transect No.: Habitat: Start Time: **End Time:** Start Point UTM: 608483 4784921 **End Point UTM:** Sans Species Tally Bobolink Eastern Meadowlark

5 Ld 10.	16		Habitat:	
Start Time:	835		End Time:	840
Start Point UTM:	608784	4785104	End Point UTM:	
Species			Tally	
Bobolink		3	(Flyo	supra)
Eastern Meadowla	ırk	Ø	<i></i>	
		t		

Pg of		Quality Control: This form is complete \( \bigcap \) & legible \( \bigcap \).	
Signature:		Signature:	
	(Field Personnel)	(Project Manager)	
		REV: 2011-06-03 / FORM 01	14c



Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5

Tel: (519) 836-6050 Fax: (519) 836-2493

## Birding Point Counts Survey Observation Form

Stantec

		_
Project Number:	60950443	

June 26, 2012

Project Name: Hamilton - SCUBE

Field Personnel: N. KopysH

Weather Conditions:

TEMP (°C): 15°7 1909 WIND:

CLOUD:

PPT:

PPT (in last 24 hrs):

GPS #: T

drama.	IITM at
icure.	UTM: 0610535
Time: 05:55	4785535
	Time: 05/55

Habitat: □Forest / □Swamp / □Marsh / □Hay / □Pasture / □Crop

an south saurce Kd

Species	<50m	50-100m	>100m	Flyovers	Height*
NOCA	-		A CONTRACT OF	de de la companya de	
KWBL	-	3			
AMOU					
EUST.	(				
AMRO				1	
SAUS					
HOWK					

* Height of blade sweep varies 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 height of blade sweep

HOUSE SOUTH RUBL

SOUTH SOUTH SANS

hote: huyt south souice vd. noise

Page _	of	<u>5</u>
--------	----	----------

Signature: Monument (Field Personnel)

Quality Control: This form is complete 

& legible 

.

Signature:

(Project Manager)

Species <50m 50-100m >100m Flyovers Height* Fallow - ON S. SW.  MODO   Q   VO.  MODOX2	M:0610406/4789  A note hwy incl  Amro
ipecies   Som   So-100m   >100m   Flyovers   Height*   Fallow - On S. SW.  AMADO	Jill S
EWBI I MIDOX2	
AMMED 1 MIDOX2	
AMMED 1 MODOX2	AMRO
/ 3,00,2	AMRO
/ 31-50/2	AMRO
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	EUT
LINE CONTRACTOR OF THE PROPERTY OF THE PROPERT	BU
	30
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	701
	1
Height of blade sweep will vary from project to project; check with project manager.  -On ground; A-Below height of blade sweep; B-At height of blade sweep;	
-Above height of blade sweep; D-Well above height of blade sweep	
Station: /3 Feature: UT	M: 0610734
Start Time: 06:19 End Time: 06:19	1:0610234 4785771
Habitat: ©Forest / ©Swamp / ©Marsh / ©Hay / ©Pasture / ©Crop	
- fallow:	
pecies <50m 50-100m >100m Flyovers Height* atnockstop	S
SAUS	
am60	
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AMDO ENE	
	MGO- XY 308P 50
EMED (EME	4 708P
am cus	50
	trickship
	1
Height of blade sweep will vary from project to project; check with project managerOn ground; A-Below height of blade sweep; B-At height of blade sweep;	a Gu
granner, waren riergin ar areas arready at it HOMIN OF MIGUO DIFFICU.	
Above height of blade sweep; D-Well above height of blade sweep	
Above height of blade sweep; D-Well above height of blade sweep	
Above height of blade sweep; D-Well above height of blade sweep  age of Quality Control: This form is comple	ete 🗆 & legible 🖵
Above height of blade sweep; D-Well above height of blade sweep	ete 🗆 & legible 🔾.

Statio	1: 14,			Featu	re:		UTM: 615037/
Start Time	06	25		End Tin	ne: 06	. 30	UTM: 616037/ 4785737
Habita	t: OFores	t / USwamp	/ @Marsh	/ □Hay / □I		Crop .	_
pecies	<50m	50-100m	>100m	Flyovers	Height*	fallow	. 3
NBU		(				not suitable BOBO 10 AME	
ANS						-grassestoo	
060	1					shu+	INIDA
INB!	ラ					gnasestoo shat too many forasi	INDO
4m610						Shrubs .	SAVS COGR
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			2				BHCC BHCC
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leight of blac	la sween will	Vary from proje	oct to amiest s	heck with proje	of manages		
Start Time		26		Featur -		7	0609866
	OLD	3 <u>9</u>	/ □Marsh	End Tim	ie: 0(	Crop	UTM: <u>0609866</u> 4785605
Habitat	OLD		/ □Marsh /	End Tim	ie: 0(	Crop	
Habitat	<u>OL∕</u> :: □Forest	/ 🗆 Swamp		End Tim	e: <u> </u>	Crop	
Habitat	<u>OL∕</u> :: □Forest	/ 🗆 Swamp		End Tim	e: <u> </u>	Crop	
Habitatopecies MODO	<u>OL∕</u> :: □Forest	/ 🗆 Swamp		End Tim	e: <u> </u>		lds my N
Habitato Pecies NODO CUB, KOSP	<u>OL∕</u> :: □Forest	/ 🗆 Swamp		End Tim	e: <u> </u>	Crop	lds ny N
Habitatopecies MODO CUB, MOSP CUST	<u>OL∕</u> :: □Forest	/ 🗆 Swamp		End Tim	e: <u> </u>	crop  on d b  court no	MOSP RWBL
Habitan Decies MODO LUBI OSP PUST COGR	<u>OL∕</u> :: □Forest	/ 🗆 Swamp		End Tim	e: <u> </u>	crop  on d b  court no	MOSP RWBL
Habitatore Pecies MODO Cura, MOSP EUST COGR AMERICA	<u>OL∕</u> :: □Forest	/ 🗆 Swamp		End Tim	e: <u> </u>	Crop	Maso RWBL GRA.
Habitatoria Pecies MODO LUBI, MOSP EUST COSE AMED JOMO	<u>OL∕</u> :: □Forest	/ 🗆 Swamp		End Tim	e: <u> </u>	crop  on d b  court no	Maso RWBL GRA.
Habitatoria Pecies MODO LUBI, MOSP EUST COSE AMED JOMO	<u>OL∕</u> :: □Forest	/ 🗆 Swamp		End Tim	e: <u> </u>	crop  on d b  court no	Maso RWBL GRA.
Habitan pecies MODO 2008, KOSP EUST COGIE MMGO JOMO	<u>OL∕</u> :: □Forest	/ 🗆 Swamp		End Tim	e: <u> </u>	crop  on d b  court no	MOSP RUBL ARCA.
Habitan pecies MODO 2008, KOSP EUST COGIE MMGO JOMO	<u>OL∕</u> :: □Forest	/ 🗆 Swamp		End Tim	e: <u> </u>	crop  on d b  court no	maso RWBL  maso HOSP  GREA  AMGONZ  RUBL  BOMD  50
Habitatorical Processing Control	<u>OL∕</u> :: □Forest	/ 🗆 Swamp		End Tim	e: <u> </u>	crop  on d b  court no	maso RWBL  maso HOSP  GREA  AMGONZ  RUBL  BOMD  50
Habitatorical Processing Control	<u>OL∕</u> :: □Forest	/ 🗆 Swamp		End Tim	e: <u> </u>	crop  on d b  court no	maso RWBL  maso HOSP  GREA  AMGONZ  RUBL  BOMD  50
Habitan  pecies  MODO  CUB,  OSP  CUST  COSE  MODO  MOSP  CUST  COSE  MODO  MOSP  MO	Som  Som	50-100m  2	>100m	End Tim	Pasture / D Height*	crop  on d b  court no	maso RWBL  maso HOSP  GREA  AMGONZ  RUBL  BOMD  50
Habitan  pecies  MODO  LUB, OSP  EUST  COGR  MGD  MCA  Meight of blad On ground; A	Som  Som  Som  Som  Som  Som  Som  Som	50-100m  2	>100m	End Tim / OHay / OF Flyovers	Pasture / D Height*	crop  on d b  court no	mago RWBL mago RWBL hosp GRGA.  amao Z KWBL nomo 50  ailway Jrack
Habitan  pecies  MODO  LUB, OSP  EUST  COGR  MGD  MCA  Meight of blad On ground; A	Som  Som  Som  Som  Som  Som  Som  Som	50-100m  2  - \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	>100m	End Tim / OHay / OF Flyovers	Pasture / D Height*	crop  on d b  court no	maso RWBL  maso HOSP  GREA  AMGONZ  RUBL  BOMD  50
pecies MODO 2008 MOSP EUST COGR MODO NRCA  Height of blad On ground; A Above height	e sweep will -Below heigh of blade sweep	50-100m  2  - \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	>100m	End Tim / OHay / OF Flyovers	Pasture / D Height*	Crop  Old b  (Eust ne	maso Rubl HOSP GREA- OUR AMOUNT FROMD Tailway Fract
Habitan  pecies  NODO  LUBI  OSP  CUST  COSP  MED  JUMO  NCA  Height of blad On ground; A Above height	Som  e sweep will Below heigh of blade swee	50-100m  2  - \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	>100m	End Tim / OHay / OF Flyovers	Pasture / D Height*	Quality Control: This is	mago RWBL mago RWBL hosp GRGA.  amao Z KWBL nomo 50  ailway Jrack
Habitan  Decies  NODO  LUB,  OSP  DUST  SABL  MED  NOMO  VLA  Reight of blad  On ground; A  Above height	Som  e sweep will Below heigh of blade swee	50-100m  2  I vary from project of blade sweeter; D-Well about	>100m	End Tim / OHay / OF Flyovers  heck with project of blade sweep  heck weep	Pasture / D Height*	Crop  Old b  (Eust ne	maso Rubl HOSP GREA- OUR AMOUNT FROMD Tailway Fract

	n: <u>15</u>	S SAL III		Featu 	re:		UTM: 610049/	
Start Tim	e: 0(	:50		End Tin	ne: 06	:55:	1105207	0
Habita		t / QSwamp	/ @Marsh	_ /		Crop	- Lu	BA
pecies	<50m	50-100m	>100m	Flyovers	Height*	shrubl		OI
BARS	130111	30-100m	1000	Flyovers	Height	SUCC	W	
OSP		2						
Am60						ROMALI		
NO		3		2		Abragay	SOSP SOSP	
14/5	1			1		1000		
1101		and the state of t					E PULLSUSP BHO 50	1
ME	2					/ Am	ampo)	
UDGA	1						Z PUC SUSP BHO	
i DST	5					C6612	50 pury 50	100
2031						-	NOCA	-1
						\ .	7	/
						Houses	alst out	
							WS COLD	
leight of bla	de sweep will	vary from proje	ct to project: c	heck with proje	ct manager	1 . /		
Above heigh	it of blade sw	ht of blade swe eep; D-Weil abo	ove height of b	lade sweep				
Canalas	^							
Station	1: <u>8</u>			Featur	'e:		UTM: (a)0065/	, may
Start Time	0	7:04	/	Featur End Tim		09	UTM: (10065/ 4785097	
Start Time	•: <u>0</u>	7:04		End Tim	e: 07	09 Crop	UTM: 610065/ 4785097	D.
Start Time Habita	t: □Fores	/ □Swamp	/ OMarsh /	End Tim	e: 07	^	18	E/
Start Time Habita	•: <u>0</u>			End Tim	e: 07	^	18	G/
Start Time Habita pecies	t: □Fores	/ □Swamp	/ OMarsh /	End Tim	e: 07	^	18	E/
Start Time Habita pecies LNBL	t: □Fores	/ □Swamp	/ OMarsh /	End Tim	e: 07		N	Et Des
Start Time Habita  pecies ASD  LINBL TKES	t: □Fores	/ □Swamp	/ OMarsh /	End Tim	e: 07	^	N	Det Solo
Start Time Habita  pecies USD  LINBUTUES  MGO	t: □Fores	/ □Swamp	/ OMarsh /	End Tim	e: 07	^	ASP (	Colo Soll
Start Time Habita  pecies USD  LINBUTUES  MGO	e: Forest	/ □Swamp	/ OMarsh /	End Tim	e: 07	Shrubl Cu Shrubl Cu Shrubl Cu Shrubl Cu Shrubl Cu Foldonol?	ASP CUBL	Dal Dal
Start Time Habita  pecies USD  LINBUTUES  MGO	t: □Fores	/ □Swamp	/ OMarsh /	End Tim	e: 07	Shrubl Cu Shrubl Cu Shrubl Cu Shrubl Cu Shrubl Cu Foldonol?	PISP PUBL OF PRES AMADO	Est Solos
Start Time Habita  Pecies UNBU TVES MHO MIPO COST SAPES	e: Forest	/ □Swamp	/ OMarsh /	End Tim	e: 07	^	PUBL PUBL PAMEID SEUSTZ	Colo Sold
Start Time Habita  Pecies LINBL TKES MHO MIPO EUST SARS LJA	e: ☐Foresi	/ □Swamp	/ OMarsh /	End Tim	e: 07	Shrubl Cu Shrubl Cu Succe. 2 old of? overand?	PUBL RUBL AMED SEUTZ	
Start Time Habita  Pecies LINBL TKES MHO MIPO EUST SARS LJA	e: Forest	/ □Swamp	/ OMarsh /	End Tim	e: 07	Shrubl Cu Shrubl Cu Succe. 2 old of? overand?	RUBL D FRES AMED SEUTZ	
Start Time Habita  Pecies LINBL THES MINO MINO SUST SARS LITA	e: ☐Foresi	/ □Swamp	/ OMarsh /	End Tim	e: 07	Shrubl Cu Shrubl Cu Shrubl Cu Shrubl Cu Shrubl Cu Foldonol?	RUBL RUBL SEUSTZ AMBO SEUSTZ SARSYZ 50	
Start Time Habita  Pecies UNBU TVES MM60 MNF0 EUST 3-MES	e: ☐Foresi	/ □Swamp	/ OMarsh /	End Tim	e: 07	Shrubl Cu Shrubl Cu Suce. + old ordinal? ordinal?	RUBL D FRES AMED SEUTZ	
Start Time Habita  Pecies LINBL THES MINO MINO SUST SARS LITA	e: ☐Foresi	/ □Swamp	/ OMarsh /	End Tim	e: 07	Shrubl Cu Shrubl Cu Suce. 2 old ordrand? ordrand?	RUBL RUBL SEUSTZ AMBO SEUSTZ SARSYZ 50	
Start Time Habita  Pecies LABL TVES M60 M180 CUST SARS LJA- KOSP	e: Oresi	50-100m	>100m	End Tim	Pasture / D	Shrubl Cu Shrubl Cu Suce. 2 old ordrand? ordrand?	PUBL PUBL SEUTZ AMBO SEUTZ HOSP	
Habita  Pecies  LABI  TVES  MIPO  MIPO  SAPS  Leight of blac  On ground;	e: OTES	50-100m (	/ □Marsh / >100m	End Tim  / OHay / OF  Flyovers  And the control of blade sweet of blade sweet	Pasture / D	Shrubl Cu Shrubl Cu Suce. 2 old ordrand? ordrand?	RUBL RUBL SEUSTZ AMBO SEUSTZ SARSYZ 50	
Habita  Decies  LABI  THES  MIPO  COST  Beight of blac  On ground;	e: OTES	50-100m	/ □Marsh / >100m	End Tim  / OHay / OF  Flyovers  And the control of blade sweet of blade sweet	Pasture / D	Shrubl Cu Shrubl Cu Suce. + old ordinal? ordinal?	PUBL PUBL SEUTZ AMBO SEUTZ HOSP	
Habita  Pecies  LABL  LA	t: □Forest  <50m	50-100m (	/ □Marsh / >100m	End Tim  / OHay / OF  Flyovers  And the control of blade sweet of blade sweet	Pasture / D	Shrubl Cu Shrubl Cu Suce. + old ordrand? ordrand? noona paux.	PUBL RUBL SEUSTZ AMIGIO SEUSTZ HOSP BLJA	
Habita  Pecies  LABL  LA	t: □Forest  <50m    A-Below height of blade sweethers   Compared to the sweethers   Co	50-100m (	/ □Marsh / >100m	End Tim  / OHay / OF  Flyovers  And the control of blade sweet of blade sweet	Pasture / D	Shrub/ Cu Stace. 2 ordrand? ordrand? ordrand? Overand?	PUBL PUBL SEUTZ AMBO SEUTZ HOSP	Det los
Habita  Pecies  UNBU  TVES  MIPO  MIPO  SAPS  LIGHT of blac  On ground;	t: □Forest  <50m    A-Below height of blade sweethers   Compared to the sweethers   Co	50-100m  (    Vary from project of blade sweeper; D-Well abo	/ □Marsh / >100m	End Tim  / CHay / CF  Flyovers  heck with project of blade sweep  heck weep	Pasture / D	Shrubl Cu Shrubl Cu Suce. + old ordrand? ordrand? noona paux.	PUBL RUBL SEUSTZ AMIGIO SEUSTZ HOSP BLJA	

Statio	n: <u> </u>			Featu	re:			UTM: 60	7246/	
Start Time	e: 0 7 ·	.16		End Tin	ne: 07	1:21		478	7246/	*EA
Habita	t: OFores	st / OSwamp	/ OMarsh	_ / ☐ Hay / ☐	Pasture / 🗆	1:21 ICrop		4		
pecies	<50m	SO 100-	> 100	l et	W	7 not	6017	Som Con		
FAINE	<b>\30m</b>	50-100m	>100m	Flyovers	Height*	1 180	roodside	S		
		+				- IM	1			
3 HCO		11				1 ofter				
NODO						(carital)				
1054	2	nd and				(anyway)	EAM		3HCO.	/
HSP						Jul /		1		1
mro	2					1 /	/		\ no	000
6SP		1				1 /		40	120(2) M	1 000
						10 0-401	1 (4	18P AT	app12	1
	Neo andress					BARTAN		AM	50	1Ò
		-					/			- 1
		+				1	1	iosP.	/	/
		-				1	1		1505	P/
On ground: /	A-Below heic	vary from proje tht of blade swe	eo: B-At height	t of blade swee	ct manager. p;					
Above heigh	t of blade sw	eep; D-Well abo	ve height of bl	ade sweep						
Cánálos	. 1/	11		E - A						
Station	: 4			Featur	е:			UTM: 060	18258	
		27	£.	Featur End Tim		-: 32		UTM: 060	18258/ 85292	- 0
Start Time	07	27 t/□Swamp	/ OMarsh /	End Tim	e: 07	-132 Crop		UTM: 060	85292 85292	- 23
Start Time Habitat	D7:: □Fores	t / 🗆 Swamp		End Tim	e: 0 7			UTM: 060		
Start Time Habitat	07		/ OMarsh /	End Tim	e: 07			UTM:060 475		
Start Time Habitat	D7:: □Fores	t / 🗆 Swamp		End Tim	e: 0 7			UTM: 060 47		
Start Time Habitat	D7:: □Fores	t / 🗆 Swamp		End Tim	e: 0 7			UTM: 060 47		
Habitation	D7:: □Fores	t / 🗆 Swamp		End Tim	e: 0 7	Crop		E	No With	retool
Start Time Habitat  Pecies HMKO  CTA  THA	D7:: □Fores	t / 🗆 Swamp		End Tim	e: 0 7	Crop	20.	UTM: 060 47	No With	retool
Start Time Habitat  Pecies HMKO  CJA  THA  WBL	D7:: □Fores	t / 🗆 Swamp		End Tim	e: 0 7	Crop	100	E	No With	rehool
Start Time Habitat  Pecies HMKO  XJA  THA  WBL  WST	=	t / 🗆 Swamp		End Tim	e: 0 7	Crop gill	100	E	THA	rehool
Start Time Habitat  Pecies HMKO  CJA  THA  WBL  UST  TOST	=	t / 🗆 Swamp		End Tim	e: 0 7	Crop gill	IPO NOB	E	THA	retool
Start Time Habitat  Decies HMKO  CJA  THA  WBL  WST  HOST  HCO	=	t / 🗆 Swamp		End Tim	e: 0 7	Crop gill	IPO PANE	E	THA	retool
Start Time Habitat  Pecies HMKO  CJA  THA  WEL  UST  HCO  AKI	=	t / 🗆 Swamp		End Tim	e: 0 7	Crop gill	PAUS RUS	E	THA	rehoo!
Start Time Habitat  Pecies HMKO  CJA  THA  WEL  UST  HCO  AKI	=	t / 🗆 Swamp		End Tim	e: 0 7	Crop gill	po pus	E	THA	rehoo!
Start Time Habitat  Pecies HMKO  CJA  THA  WEL  UST  HCO  AKI	=	t / 🗆 Swamp		End Tim	e: 0 7	Crop gill	PAUS RUS	E	THA	rehoo!
Start Time Habitat  Decies HMKO  CJA  THA  WBL  UST  HOST  HCO  AKI	=	t / 🏻 Swamp		End Tim	e: 0 7	Crop gill	PRIVE RUS	E BULLE AMED TXY H	THA	rehoo!
Habitation	=	t / 🏻 Swamp		End Tim	e: 0 7	Crop gill	pris	E	THA	rehoo!
Start Time Habitat  Decies HMKO  CJA  THA  WBL  UST  HOST  HCO  AKI	=	t / 🏻 Swamp		End Tim	e: 0 7	Crop gill	PRO PANE	E	THA	
Habitatorecies Habitatorecies HMKO KJA THA- LWBL UST HOST HCO AKI AMKI	Sim Som	50-100m	>100m	End Tim	e:	Crop gill	PO PUB RUS	E	THA	rehoo!
Habital  Habital  Pecies  HMKO  CSA  THA  WEL  WST  HOST  HCO  AKI  AMKI   e sweep will Below heigh	50-100m	>100m	End Tim  Hay / OF  Flyovers  Peck with project of blade sweet	e:	Crop gill	PAUS RUS	E	THA	rehoo!	
Start Time Habitat  Pecies AMLO  STA  THA  LWBL  WST  HOST  HCO  ALI  AMG  On ground: A	e sweep will Below heigh	50-100m	>100m	End Tim  Hay / OF  Flyovers  Peck with project of blade sweet	e:	Crop gill	PAUS RUS	E	THA	rehoo!
Start Time Habitat  Pecies  AMKO  XJA  THA  WBL  WST  HOST  HCO  AKI  AMM  Above height	e sweep will  e sweep will  below heiging of blade sweep	50-100m	>100m	End Tim  Hay / OF  Flyovers  Peck with project of blade sweet	e:	Crop RAME EAR	PLUS RUS	E BUJAR HI	THA SP 50	rehoo!
Habitato Hab	e sweep willBelow heigi of blade swe	50-100m	>100m	End Tim  Hay / OF  Flyovers  Peck with project of blade sweet	e:	Crop  AME  AME  CAME  CA	PLUS RUS	E BUJAR HI	THA SP 50	rehoo!
Habital  HAB	e sweep willBelow heigi of blade swe	50-100m    Swamp    Solution   So	>100m	End Tim  Hay / OF  Flyovers  eck with project of blade sweep  de sweep	e:	Crop RAME EAR	PLUS RUS	E BUJAR HI	THA SP 50	rehoo!

	n: <u>3</u>			Featu	re:		UTM	:0608816	
Start Time	07	:42		End Tin	ne: O	7.47		4785156	,
			/ QMarsh	 / □Hay / □I		Crop open	The state of the s	44	EAM
						( Freld)	_		_0/1///
Species	<50m	50-100m	>100m	Flyovers	Height*	1100		W	
GIKT	3	2					di i		
$N^{3}$	_>_						EA	ME	
SCEAT								11 9	
COGR SACT								EUST A	
SOST						1	06K	1	_ \
						10		10001	- \
11.0 2 1		91.111					sole con	EUST*3	1
						Winona	solecui	50	10
						pa		1	· 1
									/
						\			
		-				\			
Height of bloc	la swaan will	vary from proje	of to project :	hack with amin	ct manacar	-			
On ground; /	<b>A-Below</b> heig	ht of blade swe eep; D-Well abo	ep; B-At heigh	nt of blade swee	ep;				
	or blade on	oop, in violence	ove neight of E	nade sweep					
Station	: 17			Featur	e:		UTM:	0608784	,
	1 -4	49		_		·54		0608784	•
Start Time	: 67:		/ □Marsh	End Tim	1e: 67	-54 Green		0608784 4785104	
Start Time Habitat	67:	/ □Swamp		End Tim	e: 67	Crop			
Start Time Habitat	: 67:		/ □Marsh / >100m	End Tim	e: 67	Crop			<u>.</u>
Start Time Habitat	67:	/ □Swamp		End Tim	e: 67			(1785104) E	
Start Time Habitat  Pecies  SAOR  BUJA	67:	/ □Swamp		End Tim	e: 67	Crop			
Start Time Habitat  pecies  ANR  AMPO	67:	/ □Swamp		End Tim	e: 67	Crop	[	(1785104) E	
Start Time Habitat  Pecies  ANNA  NOCA	67:	/ □Swamp		End Tim	e: 67	Crop		4785104 E (06R	.k3
Start Time Habitat  Pecies BAOR BUJA AMPO NOCA- MOCA-	.: 67: .: □Forest	50-100m		End Tim	e: 67	Crop	EUSTX 3	1785104 E COGIR RUB	K3
Start Time Habitat  Pecies  BLJA  Am PO  NO(A-  Am(A)  TUS	67:	/ □Swamp		End Tim	e: 67	Field B Shrubs	EUSTX 3	1785104 E COGR	.k3
Start Time Habitat  Pecies BLJA AM PO NOCA- AMAO  USI	.: 67: .: □Forest	50-100m		End Tim	e: 67	Crop	EUSTX 3	1785104 E COGIR RUB	.k3
Start Time Habitat  Pecies BLJA AM PO NO(A- MM-10 USI USI USI VAVI	.: 67: .: □Forest	50-100m		End Tim	e: 67	Field B Shrubs	EUSTX 3	1785104 E COGIR RUB AMGO	K3
Start Time Habitat  pecies  BAOR  BUJA	.: 67: .: □Forest	50-100m		End Tim	e: 67	Shrubs BAI	EUSTX 3 AMRO NOCA	1785104 E COGR	.k3
Start Time Habitat  Pecies BLJA AM PO NO(A- AM(A)  WSI WSI WAVI	.: 67: .: □Forest	50-100m		End Tim	e: 67	Field B Shrubs	EUSTX 3 AMRO NOCA	1785104 E COGIR RUB AMGO	K3
Start Time Habitat  Pecies BLJA AM PO NO(A- MM-10 USI USI USI VAVI	.: 67: .: □Forest	50-100m		End Tim	e: 67	Shrubs BAI	EUSTX 3 AMRO NOCA	1785104 E COGIR RUB AMGO	K3
Start Time Habitat  Pecies BLJA AM PO NO(A- MM-10 USI USI USI VAVI	.: 67: .: □Forest	50-100m		End Tim	e: 67	Shrubs BAI	EUSTX 3 AMRO NOCA	1785104 E COGIR RUB AMGO	K3
Start Time Habitat  Pecies BLJA AMPO NOCA- AMPO USI USI UAVI DGR	57: □Forest <50m	50-100m	>100m	End Tim	Pasture / D	Shrubs BAI	EUSTX 3 AMRO NOCA	1785104 E COGIR RUB AMGO	K3
Start Time Habitat  Pecies BAOK BLJA AM PO NOCA AMOO USI USI USI USI Height of blad On ground; A	e sweep will  Below heigi	50-100m	>100m	End Tim / □Hay / □F Flyovers  heck with projet of blade swee	Pasture / D Height*	Shrubs BAI	EUSTX 3 AMRO NOCA	1785104 E COGIR RUB AMGO	K3
Start Time Habitat  Pecies  BLJA  AM PO  NO(A-  MM/10)  USI  USI  USI  Height of blad On ground; A	e sweep will  Below heigi	50-100m	>100m	End Tim / □Hay / □F Flyovers  heck with projet of blade swee	Pasture / D Height*	Shrubs BAR	EUSTX 3 AMRO NOCA	1785104 E COGIR RUB AMGO	K3
Habitator Habita	e sweep will  Below heigi	50-100m	>100m	End Tim / □Hay / □F Flyovers  heck with projet of blade swee	Pasture / D Height*	Shrubs BAI	EUSTX 3 AMRO NOCA	1785104 E COGIR RUB AMGO	K3
Start Time Habitat  Pecies BAOR BUTA AM PO NOCA MOCA MOCO UST WAVI DGK  Height of blad On ground; A Above height	Som  Som  Som  Som  Som  Som  Som  Som	50-100m	>100m	End Tim / □Hay / □F Flyovers  heck with projet of blade swee	Pasture / D Height*	Shrubs BAR WARPINA BLAR WARPINA	EUSTX 3 AMRO NOCA	1785104 E COGR PUST 50	K3
Start Time Habitat  Pecies BADR BUJA AM PO NOCA- MANO USI USI USI USI USI Height of blad On ground; A	e sweep will Below heigh of blade sweep	50-100m	>100m	End Tim / □Hay / □F Flyovers  heck with projet of blade swee	Pasture / D Height*	Shrubs BAR WARPINA BLAR WARPINA	EUSTX 3 AMRO NOCA	1785104 E COGR PUST 50	K3

Statio				Featu	re: ·		UTM: 0608294
Start Tim	e: 08	.35		End Tin	ne: () S	3:40	4705534
Habita	t: OFores	t / @Swamp	/ @Marsh	_ / □Hay / □		Сгор	NIRA
·	- FO	50 100	1 - 100	I was not		CUM for Bo Dobdominate	OBO (OBS)
pecies	<50m	<b>50-100m</b>	>100m	Flyovers	Height*	- poor tonate	U S
200	6	5				Donb do Mile	are a b
3/123		-					
-wir	2_	3					EUT V3
M60							x3
SUSP							WILL X3 AMGO SOSPIBARS
mro						/ /	AMGO SOSP BARS
MODO							DIXI
OHCO					V.		
15A						boutour pHC	50 1
20.3	•						V 9 USTZ
						(Actory)	
						Ma	BUA
						\	
leight of bla	de swaen will	vary from proje	ct to project o	hack with period	ct manacer		
On ground;	A-Below heig	ht of blade swee	ep; B-At heigh	it of blade swee	ep;		
Station	1: 10			Featur	e:		UTM:
	<u> </u>	116		-		)	
Start Time	: 08	45		End Tim	e: <u>0</u> 2	2:50	
Start Time	: 08	45 /□Swamp	/ □Marsh /	End Tim	e: <u>0</u> 2	2:50 Crop	
Start Time Habita	: 08	45 / □Swamp	/ □Marsh / >100m	End Tim	e: <u>0</u> 2	2:50 Crop	
Start Time Habita	t: DForest			End Tim	e: <u> </u>	Crop (	italy same strong foraging
Start Time Habita	t: DForest			End Tim	Pasture / D	Crop	
Habita Decies THA	t: DForest			End Tim	Pasture / D	Crop	
Habita Decies THA FEWA-	t: DForest			End Tim	Pasture / D	Crop	
Habita Decies LTHA FEWA- AKA	t: DForest			End Tim	Pasture / D	Crop	
Habita Decies THA FEWA-	t: DForest			End Time / OHay / OF	Pasture / D	Crop  OUNDO  POOV BOBON  FOR DO  POOV BOBON  POOV BOBO	ikely same str +3 BAN- forcefin
Habita Decies LTHA FEWA- AKA	t: DForest			End Tim	Pasture / D	Crop  OUNDO  POOV BOBON  FOR DO  POOV BOBON  POOV BOBO	ikely same str +3 BAN- forcefin
Start Time Habita Decies LTHA IFINA- CAKL	t: DForest			End Time / OHay / OF	Pasture / D	Crop	ikely same str +3 BAN- forcefin
Start Time Habita Decies LTHA IFINA- CAKL	t: DForest			End Time / OHay / OF	Pasture / D	Crop  OUND  POOV BOBO  FOR DO NO STAND  AND  OUND  POOV BOBO  POOV	THA YENA AMED AMED
Start Time Habita Decies LTHA IFINA- CAKL	t: DForest			End Time / OHay / OF	Pasture / D	Crop  OUNDO  POOV BOBON  FOR DO  POOV BOBON  POOV BOBO	ikely same str +3 BAN- forcefin
Start Time Habita Decies LTHA IFINA- CAKL	t: DForest			End Time / OHay / OF	Pasture / D	Crop  OUND  POOV BOBO  FOR DO NO STAND  AND  OUND  POOV BOBO  POOV	THA YENA AMED AMED
Start Time Habita Decies LTHA IFINA- CAKL	t: DForest			End Time / OHay / OF	Pasture / D	Crop  OUND  POOV BOBO  FOR DO NO STAND  AND  OUND  POOV BOBO  POOV	THA YENA AMED AMED
Habita Decies LTHA FEWA- AKA	t: DForest			End Time / OHay / OF	Pasture / D	Crop  OUND  POOV BOBO  FOR DO NO STAND  AND  OUND  POOV BOBO  POOV	THA YENA AMED AMED
Start Time Habita pecies LTHA /FIVA-	t: DForest			End Time / OHay / OF	Pasture / D	Crop  OUND  POOV BOBO  FOR DO NO STAND  AND  OUND  POOV BOBO  POOV	THA YENA AMED AMED
Habita  Pecies  LTHA  (FINA- CAKLI  MMHO)  CARS  MHO  BHO)	e: 08 t: □Forest <50m	50-100m	>100m	End Time / Cl Hay / Cl Flyovers	Pasture / D Height*	Crop  OUND  POOV BOBO  FOR DO NO STAND  AND THE STAND  THE ST	THA HOMEST FORWARD AMED 13 508HCD 1
Habita  Pecies  LTHA  (FWA-  ANCE)  MEO  BHO  BHO  On ground:	t: DForest  <50m	50-100m	>100m	End Time  Hay / OF  Flyovers  And the project of blade sweet and s	Pasture / D Height*	Crop  OUND  POOV BOBO  FOR DO NO STAND  AND THE STAND  THE ST	THA HOMEST FORWARD AMED 13 508HCD 1
Habita  Pecies  LTHA  (FWA-  ANCE)  MEO  BHO  BHO  On ground:	t: DForest  <50m	50-100m	>100m	End Time  Hay / OF  Flyovers  And the project of blade sweet and s	Pasture / D Height*	Crop  OUND  POOV BOBO  FOR DO NO STAND  AND THE STAND  THE ST	THA HOMEST FORWARD AMED 13 508HCD 1
Habita  Pecies  LTHA  (FWA-  ANNED  A	e: Serveep will A-Below height of blade sweep	50-100m	>100m	End Time  Hay / OF  Flyovers  And the project of blade sweet and s	Pasture / D Height*	Crop  Cop  POOV BOBO  FOR 100 81 US MIN  FALL  FALL	THA HOUR SAMES AMED TOURS AMED 13 508HCD 1
Habita  Habita  Decies  THA  FWA  ANA  ANA  MED  ARS  MED  Allow Height of blac  On ground; Above height	e: 08 t: □Forest  <50m  le sweep will A-Below height of blade sween  1	50-100m	>100m	End Time  Hay / OF  Flyovers  And the project of blade sweet and s	Pasture / D Height*	Quality Control: This for	THA HOMEST FORWARD AMED 13 508HCD 1
Habita Habita Decies HAA HAA HAA HAA HAA HAA HAA HAA HAA HA	e: 08 t: □Forest  <50m  le sweep will A-Below height of blade sween  1	so-100m  (  (  (  (  (  (  (  (  (  (  (  (  (	>100m	End Tim  UHay / OF  Flyovers  And Co	Pasture / D Height*	Crop  Cop  POOV BOBO  FOR 100 81 US MIN  FALL  FALL	THA HOUR SAMES AMED TOURS AMED 13 508HCD 1

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Start Time Habitat	: 08		/ □Marsh /	End Tim	Pasture / 🔾	Сгор	hand?		<i>y</i>
Start Time Habitat	: 08	/ □Swamp		End Tim - / OHay / Of	le: 08:	Сгор	hano?	UTM: 060799 4785266	L/
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Start Time	: 08	/ □Swamp		End Tim - / OHay / Of	Pasture / D	Сгор		HANA GUSTXZ	U
Start Time Habitat  Pecies 10 FC 12 CA 12 CA	: 08	/ □Swamp		End Tim	Pasture / D	Crop		ARWA GUSTXZ	
Start Time Habitat  Pecies 10 FC 12 CA 12 CA	: 08	/ □Swamp		End Tim - / OHay / Of	Pasture / D	Crop		ARWA GUSTXZ	
Start Time Habitat  Pecies OFC  VCA	: 08	/ □Swamp		End Tim	Pasture / D	Crop		HAWA QUSTXZ	Amro
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Start Time Habitat  Pecies 10 FC  V2 (A	: 08	/ □Swamp		End Tim	Pasture / D	Crop		ARWA GUSTXZ	
Start Time Habitat  Pecies 10 FC  V2 (A	: 08	/ □Swamp		End Tim	Pasture / D	Crop		GRCA AMRO FWBL 5	Amro
Start Time Habitat  Pecies 10 FC  V2 (A	: 08	/ □Swamp		End Tim	Pasture / D	Crop		GRCA AMRO FWBL 5	Amro
Start Time Habitat  Pecies 10 FC 12 CA 1MRD  WBL  OFR  PENA  WST	es sweep will	50-100m	>100m	End Tim	Pasture / D Height*	Crop		GRCA AMRO FWBL 5	Amro
Start Time Habitat  Pecies 10 FC 12 CA 1MRD  WBU PORK	es weep will believe heigi	/ Swamp	>100m	End Time  / □Hay / □F  Flyovers	Pasture / D Height*	Crop		GRCA AMRO FWBL 5	Amro
Start Time Habitat  Pecies OFC V2CA MRD WBU PAR  PAR  Height of blad On ground; A	es weep will believe heigi	50-100m	>100m	End Time  / □Hay / □F  Flyovers	Pasture / D Height*	Crop		GRCA AMRO FWBL 5	Amro
Habitator Habita	e sweep will -Below height of blade swe	50-100m	>100m	End Time  / □Hay / □F  Flyovers	Pasture / D Height*	Crop  O VE	COGY	GRCA AMRO FWBL 5	Amro
Start Time Habitat  Pecies JOFC V2CA WRD WRD  WRD  WRD  Height of blad On ground; A	es sweep will.  -Below height of blade sweep	50-100m	>100m	End Time  / □Hay / □F  Flyovers	Pasture / D Height*	Crop  OVE	COGY	GRCA AMRO FWBL 5	Amro

Station	1: 10			Featu	re:		UTM	:0610787	
Start Time	: 09'	.00		End Tin	ne: 09'.	05		478555	7
Habitat	t: OForest	/ USwamp	o /   Marsh	_ / □Hay / □I				a market	
pecies	<50m	50-100m	>100m		71 11 2	cum			BARS
AUBL	<b>\30m</b>	30-100m	>100m	Flyovers	Height*	V 10	Eng	5	0
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9UST	1								1000
Am60				2			RUBL	BAR	11
SAUS	W II			2			\	1	> \
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10 11						/	AMASIN EUST		
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Height of blad	e sweep will	vary from proje	ect to project; o	heck with proje	ect manager.	47-141			
		ep; D-Well ab		nt of blade swee blade sweep	zþ,	REW			
_	10	,							
Station	: 19			Featur	re:		UTM	611228	/
	<u> </u>	10		Featur - End Tim		15	UTM	1011228 1	
Start Time	: 09		/ □Marsh	_	1e: 09	15 . Crop	UTM	: 611228 478558:	
Start Time	. □Forest	/ □Swamp		End Tim	re: <u></u>		UTM		
Start Time Habitat	: 09		/	End Tim	1e: 09		UTM		
Start Time Habitat: pecies YMRO	. □Forest	/ □Swamp		End Tim	re: <u></u>		UTM		
Start Time Habitat: pecies YMRO 3HCO	: 09 :: OForest	/ □Swamp		End Tim	re: <u></u>		UTM		
Start Time Habitat: pecies YMRO 3HCO	. □Forest	/ □Swamp		End Tim	re: <u></u>			478558°	
Start Time Habitat: pecies YMRO 3HCO	: 09 :: OForest	/ □Swamp		End Tim	re: <u></u>		- UTM	478558°	7
Start Time Habitat: pecies  YMRO 3HCO	: 09 :: OForest	/ □Swamp		End Tim	re: <u></u>		pmke	478558=	7
Start Time Habitat: pecies YMRO	: 09 :: OForest	/ □Swamp		End Tim	re: <u></u>		pmke	478558=	7
Start Time Habitat: pecies  YMRO 3HCO	: 09 :: OForest	/ □Swamp		End Tim	re: <u></u>			478558=	7
Start Time Habitat: pecies	: 09 :: OForest	/ □Swamp		End Tim	re: <u></u>		pmke	478558=	7
Start Time Habitat: pecies YMRO 3HCO	: 09 :: OForest	/ □Swamp		End Tim	re: <u></u>	Сгор	pmke ews	478558=	7
Start Time Habitat: pecies YMRO 3HCO	: 09 :: OForest	/ □Swamp		End Tim	re: <u></u>	Сгор	pmke ews	478558=	7
Start Time Habitat: pecies YMRO 3HCO	: 09 :: OForest	/ □Swamp		End Tim	re: <u></u>	Сгор	pmke ews	478558=	7
Start Time Habitat: pecies YMRO 3HCO	: 09 :: OForest	/ □Swamp		End Tim	re: <u></u>		pmke ews	478558=	7
Start Time Habitat:  Pecies  YMRO  3HCO  RWBL	Som Som	50-100m	>100m	End Time / OHay / OF Flyovers	Pasture / D Height*	Сгор	pmke ews	478558=	7
Start Time Habitat:  Pecies  MIRO  3+CO  RIWBL  Height of blade On ground; A	Som  Som  Som  Som  Som  Som  Som  Som	50-100m	>100m	End Tim	Pasture / D Height*	Сгор	pmke ews	478558=	7
Start Time Habitat:  Pecies  MIRO 3+CO RWBL  Height of blade On ground; A	Som  Som  Som  Som  Som  Som  Som  Som	50-100m	>100m	End Tim	Pasture / D Height*	Сгор	pmke ews	478558=	7
Start Time Habitat:  Pecies  YM RO  3HCO  RWBL  Height of blade On ground; A  Above height	Som  Som  Som  Som  Som  Som  Som  Som	50-100m	>100m	End Tim	Pasture / D Height*	S. service V	Amke ews	478558=	7
Habitat:  Habitat:  Pecies  MIRO  3-HCO  RIVBL  Height of blade On ground; A Above height	Som  Som  Som  Som  Som  Som  Som  Som	50-100m	>100m	End Tim	Pasture / D Height*	Сгор	Amke ews	478558=	7



Stantec Consulting Ltd.

1 - 70 Southgate Drive

Guelph, ON

Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493

## Birding Point Counts Survey Observation Form

J	LAZE	B	uc	•	

Project Number: 160950443

Project Name: HAMILTON - Scube

Date: JULY 4, 2012

Field Personnel: MICHAEL OLIVEIRA

Weather Conditions:

TEMP (°C): WIND:

CLOUD: 20%

PPT:

PPT (in last 24 hrs):

GPS #: T N/A

Station:

Feature:

UTM: 0607994

Start Time:

05:43

End Time:

05:48

4785266

Habitat: UForest / USwamp / UMarsh / UHay / UPasture / UCrop

Species	<50m	50-100m	>100m	Flyovers	Height*
AMGO	2				
AMRO		Z			
FISP	1 1 1 1	1			
RWBL		1			
	1 7				
	1 15	4			- 1
			1-6		
w i			-		

^{*} Height of blade sweep varies 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 height of blade sweep

AMRO AMGO AMRO AMRO MCNEILLY RD

Page 1 of 9

Signature:

(Field Personnel)

Quality Control: This form is complete 

& legible

Signature:

(Project Manager)

Station	n: 🗀 🔻	2		Featu	re:		UTM: 0608483
Start Time	e: C	5:57		End Tin	ne:	06:02	4784921
Habita	t: OFores	st / 🗆 Swamp	o / 🗆 Marsh	_ / □Hay / □			H 10,000
Species	<50m	50-100m	>100m	Flyovers	Height*	10 AT-AU	N
AMRO	-11 100	=1 11					
RWBL						-	
BLJA							
COGIR		1					AMRO
EUST	1			<del> </del>		Rubl	- Illino
						Total /	EUST
						BLJA COGR P	
						- COGR P	tmro 50 100
						1 1000	
							HWY 8
* Height of blad	e sweep will	vary from proje	ct to project; c	heck with proje	ect manager.	,	
O-On ground; A C-Above height	<b>l-Below</b> heig of blade sw	ht of blade swe eep; <b>D</b> -Well abo	ep; <b>B-A</b> t heigh ove height of b	t of blade swee lade sweep	ep;		
Station		3		Featur	e:		UTM: 0608813
Start Time:	: 6	: 09		End Tim	e: 6	:14	4785148
Habitat:		/ @Swamp	/ @Marsh /	' □Hay / □F			
						1	
Species EUST	<50m	50-100m	>t00m	Flyovers	Height*		E
EAKI	1						
		3					
RWBL HOFI	.,,	3			and the second s		JBL EUST X 5 RWBL
תטרו					<del></del>	/ Ri	JBL ~3
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1						RUBL	
		1 1				1 1	• 50 100
							I HOF!
						+	HoFI
						++	HOFI
						EUST	HoFI
						EUST	HoFI
Height of blade	Below heigh	nt of blade swee	p; B-At height	of blade swee	ot manager.	EUST	LEWIS RD HOFT
Height of blade 0-On ground; A- -Above height o	Below heigh	nt of blade swee	p; B-At height	of blade swee	ot manager. p;	EUST	HOFI
-Above height o	Below heigh of blade swe	nt of blade swee	p; B-At height	of blade swee	ot manager. p;	EUST	LEWIS RD HOFF
On ground; A-	Below heigh of blade swe	nt of blade swee	p; B-At height	of blade swee	ot manager. p;		LEWIS RD HOFF
-Above height o	Below heigh of blade swe	nt of blade swee	p; B-At height	of blade swee	ot manager.		LEWIS RD HOFT
P-On ground; A-Above height of A-P-Above A-P-A	Below heigh of blade swe	nt of blade swee	p; B-At height	of blade swee ade sweep	ot manager. p;	Quality Control: This form	LEWIS RD HOFF

Start Tim		4		Featu	re:	111	UTM:	0608764
	e: 06	: 29		End Tim	ne: 06	: 34		4785285
Habita			/ QMarsh	_ / □Hay / □f	Pasture / QC			7 m of m 40
Species	<50m	50-100m	>100m	Flyovers	Height*			1 p/626
AMGO	١	Ш					L~	
SAUS		2						
KILL	ł							SAVS
PWBL		5					SAUS SOSP	2 7
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Habita			/  Marsh	- ∕ □Hay / □F	Pasture / 🗆 Ci			
pecies	<50m	50-100m	>100m	Flyovers	Height*		punn	
UST	1	00 200121	- 400111	1 - 3 0 7 0 4 0	a a confidence			·
								5
MRO		3						
		3						
SOSP		3 2				,		
BOSP 100A		3 2					SOSP	SUSP
SOSP JOCA SAVS		3 2					SOSP	
SOSP JOCA SAVS		3 2 1				Nα	SOSP	SUSP
SOSP VOCA SAVS		3 2				Noc	SOSP	SUSP
SOSP VOCA SAVS		3 2 1				Nac	SOSP	SUSP RU AM
SOSP VOCA SAVS		3 2				Muso	SOSP	SUSP
SOSP JOCA SAVS		3 2 1				Mac	SOSP A EUST SAUS	SOSP Ru Am 50
SOSP JOCA SAVS		3 2 1				Mac	SOSP	SOSP Ru Am 50
SOSP JOCA SAVS		3 2 1				Nac	SOSP A EUST SAUS	SUSP RU AM 50
HMRO SOSP VOCA SAVS RWBL		1				PAUSO NOC	SOSP A EUST SAUS (BART	SUSP RU AM 50 ON ST) EUST
SOSP NOCA SAVS RWBL	A-Below heigh	vary from project of blade sweet	p; B-At heigh	t of blade swee	ct manager.	PW60	SOSP A EUST SAUS (BART	SUSP RU AM 50
SOSP  JOCA  SAVS  WBL  Height of blac  On ground; A	A-Below heigh	2 1	p; B-At heigh	t of blade swee	ct manager.	PW/SO NOC	SOSP A EUST SAUS (BART	SUSP RU AM 50 ON ST) EUST
SOSP  NOCA  SAVS  WBL  Height of blac  On ground; A  Above height	A-Below height of blade swe	vary from project of blade sweet	p; B-At heigh	t of blade swee	ct manager.	Www.	SOSP A EUST SAUS (BART	SUSP RU AM 50 ON ST) EUST
SOSP JOCA SAVS WBL  Height of blac On ground; A Above height	A-Below height of blade swe	vary from project of blade sweet	p; B-At heigh	t of blade swee	p;		SOSP A EUST SAUS (BART	SUSP RU AM 50 ON ST) EUST RO
SOSP  JOCA  SAVS  WBL  Height of blac  On ground; A	A-Below height of blade swe	vary from project of blade sweet	p; B-At heigh	t of blade swee	p;		SOSP A EUST SAUS (BARRE	SUSP RU AM 50 ON ST) EUST

	n:	6		Featu	ıre:	D-Anthony,	UTM: 0608587
Start Tim	e: 0	6:51		End Ti	me:	06:56	1-0011011
Habita		st / USwamp	/  Marsh	/ 🛚 Hay / 🗖	***************************************		Kiew.
Species	<50m	50-100m	>100m	Flyovers	Height*	* BANCUSUS	200
Sosp		2				84 00	
SAUS							
EUST	1						SOSP
CHSP	2						SAUS
BARS	1			-		- / Sc	OSP
AMGO						/	
						- /	CHSPX2 AMGO
						-	*BARS
						EUST	EUST 6 BANG 50 1
						1 100	
			Eas				805=15=
						-	BARTON ST
Height of blad	de sween will	vary from proje	ct to project: o	check with proje	ect manager		
On ground;	A-Below heig	ht of blade swee	ep; B-At heigh	nt of blade swe	ep;		
Station	1:	7		Featu	re:		UTM: 0609227
Start Time							
Statt Hills	e: (	)フェ ハイ		End Tin	ne:	N7: N8	4785257
		7:03		-		07:08	4785257
Habita		/ □Swamp		-			4785257
Habita pecies		/ □Swamp		-			
Habita	l: □Forest	/ □Swamp	/ OMarsh /	_ / □Hay / □I	Pasture / 🗆		4785257 S
Habita	<50m	/ □Swamp	/ OMarsh /	_ / □Hay / □I	Pasture / 🗆		
Habita pecies RWBL RMRO 3AOR	l: □Forest	/ □Swamp	/ OMarsh /	_ / □Hay / □I	Pasture / 🗆		5
Habita pecies RWBL RMRO 3AOR	<50m	/ □Swamp	/ OMarsh /	_ / □Hay / □I	Pasture / 🗆		S RWBL x2
Habita	<50m	/ □Swamp	/ OMarsh /	_ / □Hay / □I	Pasture / 🗆		S RWBLXZ
Habita  pecies RWBL AMRO 3AOR 80SP	<50m	/ □Swamp	/ OMarsh /	_ / □Hay / □I	Pasture / 🗆	Сгор	S RWBL XZ
Habita  pecies  RWBL  RMRO  3AOR  80SP  CHSP  HMGO	<50m	/ □Swamp	/ OMarsh /	_ / □Hay / □I	Pasture / 🗆		SAUS RWBLXZ AMRO
Habital pecies RWBL AMRO 3AOR 80SP WSP MMGO AMMGO	<50m	/ □Swamp	/ OMarsh /	_ / □Hay / □I	Pasture / 🗆	Rush	SAUS RWBLXZ AMRO
Habita  pecies RWBL AMRO  3AOR  80SP  CHSP  MODO	<50m	/ □Swamp	/ OMarsh /	_ / □Hay / □I	Pasture / 🗆	Сгор	SAUS RWBLXZ SAUS AMRO ROSE SO 11
Habita  pecies RWBL AMRO  3AOR  80SP  CHSP  MODO	<50m	/ □Swamp	/ OMarsh /	_ / □Hay / □I	Pasture / 🗆	Rush	SAUS RWBLXZ SAUS AMRO BACRXZ RWBLXZ AMRO 10 MODO
Habita  pecies RWBL AMRO 3AOR 80SP CHSP AMGO	<50m	/ □Swamp	/ OMarsh /	_ / □Hay / □I	Pasture / 🗆	Rush	SAUS RWBLXZ SAUS AMRO RWBL SOSP MODO MODO
Habita  pecies RWBL AMRO  3AOR  80SP  CHSP  MODO	<50m	/ □Swamp	/ OMarsh /	_ / □Hay / □I	Pasture / 🗆	Ru3L AM	SAUS RWBLXZ SAUS AMRO FOR X2  SOSP MODO 11
Habita  pecies RWBL AMRO 3AOR 80SP CHSP AMGO	<50m	/ □Swamp	/ OMarsh /	_ / □Hay / □I	Pasture / 🗆	Ru3L AM	SAUS RWBL XZ SAUS RWBL XZ RWBL SOSP HODO HOUSE
Habita  Species RWBL AMRO BAOR SOSP CHSP AMGO NODO SAVS	Z I Som Z I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I <	50-100m  4  1  1  1  1  vary from project	>100m	Flyovers	Pasture / □ Height*	Ru3L AM	SAUS RWBLXZ SAUS AMRO ROBORXZ SOSP HOUSE BARCION ST
Habita  pecies  RWBL  AMRO  BOSP  HODO  SAVS  Height of blad- On ground; A	e sweep will	50-100m	>100m	Flyovers  heck with projet of blade sweet	Pasture / □ Height*	Ru3L AM	SAUS RWBLXZ SAUS RWBLXZ AMRO FOR 10 SOSP HOUSE BARCION ST
Habita  precies  RWBL  AMRO  BOSP  HODO  SAVS	e sweep will	50-100m  4  1  1  1  1  1  1  1  1  1  1  1  1	>100m	Flyovers  heck with projet of blade sweet	Pasture / □ Height*	Ru3L AM	SAUS RWBLXZ SAUS RWBLXZ AMRO FOR TO THE SOSP HOUSE
Habita	e sweep will a-Below height of blade swee	50-100m  4  1  1  1  1  1  1  1  1  1  1  1  1	>100m	Flyovers  heck with projet of blade sweet	Pasture / □ Height*	RWBL HOU	SAUS RWBLXZ SAUS RWBLXZ RWBL SOSP RWBL SOSP House BARCION ST
Habital  pecies  RWBL  AMRO  BAOR  BOSP  WASP  IMGO  ADDO  SAVS  Height of blac On ground; A Above height	Z Som Z I I Be sweep will Below heigh of blade sweep 9	50-100m  4  1  1  1  1  1  1  1  1  1  1  1  1	>100m >100m	Flyovers  heck with projet of blade sweet	Pasture / □ Height*	RuBL Hou  Quality Control: This	SAUS RWBLXZ SAUS RWBLXZ AMRO FOR 10 SOSP HOUSE BARCION ST
Habital pecies RWBU AMRO SAOR BOSP WSP MGO MODO SAVS	Z Som Z I I Be sweep will Below heigh of blade sweep 9	50-100m  4  1  1  1  1  1  1  1  1  1  1  1  1	>100m >100m	Flyovers  heck with projet of blade sweep	Pasture / □ Height*	RWBL HOU	SAUS RWBLXZ SAUS RWBLXZ RWBC SOSP HOUSE BARRO SOSP HOUSE

Statio	n:	8		Featu 	ıre:			UTM:	061008	39
Start Tim	ie:	7:16		End Tir	ne:	7:21			478516	
Habita	at: □Fores	t / □Swamp	/ DMarsh		Pasture / C	Crop				
Species	<50m	50-100m	>100m	Flyovers	Height*	#113		Г	N R	ARS
3CCH	1	1						Ľ		Le ning
AMRO										(FLYING
RWBL								RWY	31-	/ 00.5
/WAR		i								
Sosp			1			SOSP	YWAR		BCCH	
BARS			2			1 1	Am.			
						/	/	BUCH	1	\
						-	/	V	AMRO	= 1
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	-			<del> </del>		1	\	RAM	TON ST	/
						\	\	Philo	31	
	**************************************					-				
Height of bla	de sweep will	vary from proje	ct to project: c	heck with proje	act manager					
On ground;	A-Below heig	ht of blade swee	ep; <b>B</b> -At heigh	nt of blade swee	ep;					
Chart.										
Station	1:			Featur	re:			UTM:	061050	1
Station Start Time		7.20		-	-	7 • / / /		UTM:	061050	
Start Time	e:	7:36	/ 🗆 March	End Tim	ie: 0	7:41		UTM:	06105c	
Start Time	e:	1  7:36 /□Swamp	/ OMarsh /	End Tim	ie: 0			UTM:		
Start Time Habita	e:		>100m	End Tim	ie: 0			_	478551	
Start Time Habita pecies	t: □Forest	/ □Swamp		End Tim	e: O		N	_	4785SI	
Start Time Habita pecies EUST	t: □Forest	/ □Swamp	>100m	End Tim	e: O	Crop	N	_	478551 W RWBL	
Start Time Habita  Pecies FUST MRO SOSP	t: □Forest	/ □Swamp	>100m	End Tim	e: O	Crop	COSY /	JOCA [	478551 W RWBL	
Start Time Habita  pecies EUST IMRO SOSP	t: □Forest	/ □Swamp  50-100m  Z	>100m	End Tim	e: O	Crop	COSY /	JOCA [	4785SI	
Start Time Habita pecies EUST HMRO SOSP	t: □Forest	/ □Swamp	>100m	End Tim	e: O	Crop	COSY /	JOCA [	478551 W RWBL AMIRS	8
Start Time Habita  pecies EUST MRO SOSP WAL	t: □Forest	/ □Swamp  50-100m  Z	>100m	End Tim	e: O	Crop EUST	SUS! RUBL	JOCA [	478551 W RWBL AMIRS	
Start Time Habita  pecies EUST HMRO SOSP WAR KWBL HOCA	t: □Forest	/ □Swamp  50-100m  Z	>100m	End Tim	e: O	Crop EUST	COSY /	FISP	478551 W RWBL AMIRO	8
Start Time Habita  pecies EUST MRO SOSP WAR EWBL HOCA FISP	t: □Forest	/ □Swamp  50-100m  Z	>100m	End Tim	e: O	Crop EUST	SOS! RWBL	JOCA [	478551 RWBL AMIRO	8
Start Time Habita  pecies EUST HMRO SOSP YWAR KWBL JOCA FISP	t: □Forest	/ □Swamp  50-100m  Z	>100m	End Tim	e: O	EUST	SUS! RUBL	FISP	478551 W RWBL AMIRO	8 WBL
Start Time Habita  Pecies EUST HMRO SOSP (WAR KWBL JOCA FISP	t: □Forest	/ □Swamp  50-100m  Z	>100m	End Tim	e: O	EUST	SOS! RWBL	FISP	W RWBL AMIRO R	8 WBL
Start Time	t: □Forest	/ □Swamp  50-100m  Z	>100m	End Tim	e: O	Crop EUST	SOS! RWBL	FISP	W RWBL AMRO R	8 WBL
Start Time Habita  pecies EUST HMRO SOSP YWAR KWBL JOCA FISP	t: □Forest	/ □Swamp  50-100m  Z	>100m	End Tim	e: O	EUST	SOS! RWBL	FISP	W RWBL AMRO RAMRO	8 WBL
Start Time Habita  pecies EUST MRO SOSP WAR EWBL HOCA FISP	t: □Forest	/ □Swamp  50-100m  Z	>100m	End Tim	e: O	EUST	SOS! RWBL	FISP	W RWBL AMRO R	8 WBL
Habita  Habita  Pecies  EUST  MRO  SOSP  WAR  LUCA  FISP  AMGO	e: C t: □Forest <50m	50-100m  Z  1	>100m 2	End Tim	Pasture / □ Height*	EUST	SOS! RWBL	FISP	W RWBL AMRO RAMRO	8 WBL
Habita  Habita  Pecies  EUST  MRO  SOSP  WAR  WAR  WBL  JOCA  FISP  HMGO  Height of blad On ground; A	e: C t: □Forest <50m	/ □Swamp    50-100m	>100m 2	End Tim  Hay / Of  Flyovers  heck with project of blade swee	Pasture / □ Height*	EUST	AMGO AMRO	FISP SOSP	W RWBL AMIRO RAMIRO SI	8 WBL
Habita  Habita  Pecies  EUST  MRO  SOSP  WAR  WAR  WBL  JOCA  FISP  HMGO  Height of blad On ground; A	e: C t: □Forest <50m	Swamp  50-100m  Z  2  1  I  Vary from project of blade swee	>100m 2	End Tim  Hay / Of  Flyovers  heck with project of blade swee	Pasture / □ Height*	EUST	SOS! RWBL	FISP SOSP	W RWBL AMRO RAMRO	8 WBL
Habita  Habita  pecies  EUST  MRO  SOSP  WAR  KWBL  JOCA  FISP  HMGO  Height of blace On ground; A  Above height	t: □Forest  <50m	Swamp  50-100m  Z  2  1  I  Vary from project of blade swee	>100m 2	End Tim  Hay / Of  Flyovers  heck with project of blade swee	Pasture / □ Height*	EUST EUST	RWBL AMGO AMRO	FISP SOSP	RWBL AMRO AMRO HOUSE	8 WBL
Habita  Habita  Pecies  EUST  MRO  SOSP  WARL  HOCA  FISP  HOGO  Height of blace On ground; A  Above height	e: C t: DForest <50m	50-100m  Z  2  I  Vary from project of blade sweeep; D-Well above	>100m 2	End Tim  Hay / Of  Flyovers  heck with project of blade swee	Pasture / □ Height*	EUST Quality Control	RWBL  AMGO  AMRO  South	FISP SOSP	W RWBL AMIRO RAMIRO SI	8 WBL
Habita  Habita  Pecies  EUST  MRO  SOSP  WARL  HOCA  FISP  HOGO  Height of blace On ground; A  Above height	t: □Forest  <50m	So-100m  Z  2  I  Vary from project of blade swee ep; D-Well above	>100m 2	End Tim  Hay / Of  Flyovers  heck with project of blade sweep	Pasture / □ Height*	EUST EUST	RWBL  AMGO  AMRO  South	FISP SOSP	RWBL AMRO AMRO HOUSE	8 WBL

Statio	on:	12		Featu	ra·		UTM: 0610405	
	S 11 1 1			-			0015100	
Start Tim		7:46		End Tin -		07:51	4785844	
Habita	at: 🗆 Fores	t / USwamp	/ Marsh	/ DHay / D	Pasture / 🗆	Crop		
Species	<50m	50-100m	>100m	Flyovers	Height*	1		
AMGO	1						W	
SOSP	1			_				
RTHA								
YWAR		1						
10-1-10							RTHA	
						- / .	{Wards	
						- /	SOSP AMGO	
_							50 10	0
							SOUTH SERVICE RD/	ĺ
						\		
							DEW /	
* Height of bla	de sweep will	vary from proje	ect to project: o	heck with proje	ct manager.			
O-On ground:	A-Below heig	ht of blade swe eep; D-Well abo	ep: B-At heigh	t of blade swee	ip;			
Statio	n:	13		Featur	e:		UTM: 0610234	
Start Time	e: 08	:00		End Tim	e: 08	:05	4785765	-
Habita		/ 🗆 Swamp	/ QMarsh /	□Hay / □F				
Species	<50m	50-100m	>100m	Flyovers	Height*	] /		
RWBL	3	4						
AMGO		100					SOSP	
GRCA	***					E L	RWBLXY	
SUSP						(0)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
						13 AMES CRUA		
						2 /		
						3 GREA	RWBL X3	
						3 6	1	
							50 10	10
							RUBBLE	
							1102	
Height of blac	de sweep will	vary from projec	ct to project; cl	heck'with proje	ct manager.		TRUCK	
C-Above heigh	t of blade swe	it of blade swee ep; D-Well abo	ve height of bl	or blade swee ade sweep	p;		Stop	
6	9							
	1					Quality Control: This fo	rm is complete 🔲 & legible 🔲.	
		11	//				in is complete a a legible a.	
Page <u>6</u> of Signat		Mil	(Field Perso			Signature:	inn is complete a a legible a.	

Static	on:	14		Featu	re:		UTM: 06 1	0034
Start Tim	ne: 08	3:09		End Tin	ne:	08:14	478	35729
Habita	at: □Fores	t / 🗆 Swamp	/   Marsh	 / □Hay / □I	Pasture / 🗆		To the comments	
Species	<50m	50-100m	>100m	Flyovers	Height*	1 - 1		
RWBL		3			-		S	
NOCA		i				-		No.
AMGO		1	1			04/	, p.	AMGO
						Rus 100		moc /
						Muco	100	
						1 / /		2.3
								BMST
						RUBL	•	50 10
					***************************************		CERVICE R	1
			***************************************				SERVICE R	"/ Γ
Height of bla O-On ground:	<i>de sweep will</i> <b>A-</b> Below heig	vary from project	ct to project; c	heck with proje	ct manager.	· /\		
-Above heigh	nt of blade swe	eep; D-Well abo	ve height of b	lade sweep				
Station	n:	15		Featur	·e:		UTM: 0610	
Start Time	P			- End Tim		00.00		
		8:21	/ <b>[]</b>			08: 26	4785	387
riabita	ı: urorest	/ USwamp	/ UMarsn /	uHay / UF	'asture / 🚨	GOLDFINALES FORAGING ON THISTLES		
pecies	<50m	50-100m	>100m	Flyovers	Height*	GOLDEING ON	E	
AMGO	<u> </u>	2				FORMUSTURES THE	<u> </u>	
HOFI	1					(*		
SOSP	1						Princo	AMRO
YWAR		1						FISP
EUST		2				RWBL		Nox
AMRO			<u> </u>			/ Kwee	SOSP	AMGO
NOCA			1				i	YWAR
FISP							AMGO 10F1	1 miles
ODON							JOF1 •	50 10
RWBL						EUST	•	EUST
								1
		100				Modo		1
					-	HORUSES		HOUSTER
						1 1000000	1 1	
-On ground; /	<b>4-B</b> elow heigh	vary from project of blade swee	p: <b>B</b> -At height	of blade sweet	ct manager. o;	1000000	END OF	
-On ground; /	<b>4-B</b> elow heigh	vary from project of blade swee	p: <b>B</b> -At height	of blade sweet	ct manager. o;	1140323	SONOMA	
-On ground; I -Above heigh	A-Below heigh t of blade swe	t of blade swee	p: <b>B</b> -At height	of blade sweet	ct manager. o;	1100000		
-On ground; I -Above heigh	A-Below height of blade swe	t of blade swee ep; <b>D-</b> Well abov	p; <b>B-</b> At height re height of bl	of blade sweet	ot manager. o;	Quality Control: This form	SONOMA	
-On ground; /	A-Below height of blade swe	t of blade swee	p; <b>B-</b> At height re height of bl	of blade sweep ade sweep	ct manager. o;		SONOMA	

	on:	16		Featu	re:		UTM: 060984
Start Tim	ne: 0	8:36		End Tin	ne: 08	: 41 173-18	478559
Habita	at: □Fores	t / □Swamp	/ Marsh	/ <b>□</b> Hay / □	Pasture / 🔾 C	BREEDING PAR OF NORTHERN MOCKING BIRDS	and bound and a
pecies	<50m	50-100m	>100m	Flyovers	Height*	BREEDINEAN	E
RWBL		GSG: C				OF NOW NOR BILL	
AMGO		ii = 1				Mode	#
Nomo				E	-	×/	1
MODO		1					RWBL
						Doug	Amai
						/ -	# 13
							1
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				Rause		MODO SE	3 50
						14.	1
N			1 0001	ļ		1	1
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		a v	201	116			7
Statio	e:	)8:53		Feature End Tin		: 58	UTM: 0608771 4785104
Start Tim			/   Marsh /	End Tin			000311
Start Tim Habita		7	/ □Marsh /	End Tin	ne: 08		478510
Start Tim Habita	at: ©Forest	/ OSwamp		End Tim	ne: 0 8		000311
Start Tim Habita Species EUST RWBL	at: ©Forest	7		End Tim	ne: 0 8	Prop	4785104
Start Tim Habita Species EUST RWBL	at: ©Forest	7		End Tim	ne: 0 8	Crop	4785104 W
Start Tim Habita Species EUST RWBL SOSP	at: ©Forest	7		End Tim	ne: 0 8	Crop	4785104 W
Start Tim Habita Species EUST RWBL SOSP COGR	at: ©Forest	7		End Tim	ne: 0 8	Crop	4785104 W EUST
Start Tim Habita Species EUST RWBL SOSP COGR NOCA	at: ©Forest	7		End Tim	ne: 0 8	AMES	W EUST SOSP
Start Tim Habita Species EUST RWBL SOSP COGR NOCA AMRO	at: ©Forest	7		End Tim	ne: 0 8	AMES	4785104 W
Start Tim Habita Species EUST RWBL SOSP COGR NOCA AMRO	at: ©Forest	7		End Tim	ne: 0 8	Crop	W EUST SOSP
Start Tim Habita Species EUST RWBL SOSP COGR NOCA AMRO	at: ©Forest	7		End Tim	ne: 0 8	AMES	W EUST SOSP
Start Tim Habita Species EUST RWBL SOSP COGR NOCA AMRO	at: ©Forest	7		End Tim	ne: 0 8	AMES	4785 104  W  EUST  SOSP
Start Tim Habita Species EUST RWBL SOSP COGR NOCA AMRO	at: ©Forest	7		End Tim	ne: 0 8	AMRS EUST	4785 104  W  EUST  SOSP
Start Tim Habita Species EUST RWBL SOSP COGR NOCA AMRO	at: ©Forest	7		End Tim	ne: 0 8	EUST /	4785 IDI 4785 IDI EUST SOSP
Start Tim Habita Species EUST RWBL SOSP COGR NOCA AMRO	at: ©Forest	7		End Tim	ne: 0 8	EUST /	4785 IDI 4785 IDI EUST SOSP
Start Tim Habita Species EUST RWBL SOSP COGR NOCA AMRO HOSP	<50m	7	>100m	End Tim	Pasture / 🗆 C	EUST /	4785 104 4785 104 EUST SOSP
Start Tim Habita Species EUST RWBL SOSP COGR NOCA AMRO HOSP	<50m  <50m  de sweep will  A-Below heigi	50-100m  U  I  I  I  I  I  I  I  I  I  I  I  I	>100m	End Tim  / □Hay / □I  Flyovers  theck with project of blade sweet	Pasture / 🗆 C  Height*	EUST /	4785 IDI 4785 IDI EUST SOSP
Start Tim Habita Species EUST RWBL SOSP COGR NOCA AMRO HOSP	<50m  <50m  de sweep will  A-Below heigi	So-100m  U  I  I  I  Vary from proje	>100m	End Tim  / □Hay / □I  Flyovers  theck with project of blade sweet	Pasture / 🗆 C  Height*	EUST /	4785 IDI 4785 IDI EUST SOSP
Habita  Figeries  FUST  RWBL  SOSP  CUGR  NOCA  AMRO  HOSP  Height of bla  Hon ground;  -Above height	<50m  <50m  A-Below height of blade swe	50-100m  U  I  I  I  I  I  I  I  I  I  I  I  I	>100m	End Tim  / □Hay / □I  Flyovers  theck with project of blade sweet	Pasture / 🗆 C  Height*	EUST /	4785 IDI 4785 IDI EUST SOSP HOSP
Height of blade Page & or	A-Below height of blade swe	50-100m  U  I  I  I  I  I  I  I  I  I  I  I  I	>100m	End Tim  / □Hay / □I  Flyovers  theck with project of blade sweet	Pasture / 🗆 C  Height*	Eust Anneo  Quality Control: This form	4785 IDI 4785 IDI EUST SOSP
Start Tim Habita Species EUST RWBL SOSP COGR NOCA AMRO HOSP	A-Below height of blade swe	50-100m  4  1  1  1  1  1  1  1  1  1  1  1  1	>100m	End Tim  / CHay / Cl  Flyovers  theck with project of blade sweep	Pasture / 🗆 C  Height*	EUST /	4785 IDI 4785 IDI EUST SOSP HOSP

(Project Manager)

Start Time	1:	18		Featu	re:		UTM:	0610793
Start Tillie	e: 0	9:08		End Tin	ne:	09:13		4785545
Habitat		t / 🗆 Swamp	/ QMarsh	_ / □Hay / □I	Pasture / 🗆	Crop	A THE TE	
pecies	<50m	50-100m	>100m	Flyovers	Height*	Tall mail	De la	5
SAVS		2			= 1	1		길
WBL	1	2						
M60	1							
7.4						1		
							٩	
						SAV		
						X	RUBL	
							KMDC	AMGO
		1 1					1 1 1	1 RWBL 10
		Ш					10	30 x 2 10
						30	SERVICE	E ROAD
	1							
		==1						SAUS
- 16.				3/141				
		9:35		End Tim		09:40		4785578
Habitat		/ □Swamp	/   Marsh /	□Hay / □F				4785578
Habitat:			/					
Habitat:	: □Forest	/ □Swamp		□Hay / □F	Pasture / 🔾			
Habitat:	: □Forest	/ □Swamp		□Hay / □F	Pasture / 🔾			
Habitat	: □Forest	/ □Swamp		□Hay / □F	Pasture / 🔾			
ecies WAR WAV I MRO	: □Forest	/ □Swamp		□Hay / □F	Pasture / 🔾			
Habitat: ecies WAR AV I MRO	: □Forest	/ □Swamp		□Hay / □F	Pasture / 🔾	Crop		Amco
Habitat: ecies WAR AV I MRO	: □Forest	/ □Swamp		□Hay / □F	Pasture / 🔾	Crop	AVI	
Habitat: ecies WAR AV I NRO	: □Forest	/ □Swamp		□Hay / □F	Pasture / 🔾	Crop	AVI	Amco
Habitat: ecies WAR AV I MRO	: □Forest	/ □Swamp		□Hay / □F	Pasture / 🔾	Crop	AVI	Amco
Habitat: ecies WAR AV I MRO	: □Forest	/ □Swamp		□Hay / □F	Pasture / 🔾	Crop	AVI	Amco
Habitat: ecies WAR AV I MRO	: □Forest	/ □Swamp		□Hay / □F	Pasture / 🔾	Crop	YWAR	Amao 50 10
Habitat: ecies WAR AV I	: □Forest	/ □Swamp		□Hay / □F	Pasture / 🔾	Crop	YWAR	Amgo Sosp Amgo
Habitat: ecies WAR AV I MRO	: □Forest	/ □Swamp		□Hay / □F	Pasture / 🔾	Crop	YWAR	Amao 50 10
Habitat: ecies WAR AV I NRO	: □Forest	/ □Swamp		□Hay / □F	Pasture / 🔾	Crop	YWAR	Amao 50 10
Habitat:  Pecies  WAR  AV I  MRD  OSP  MGO	<50m	50-100m	>100m	Flyovers	Pasture / Q Height*	Crop W Printed	YWAR	Amao 50 10
Habitat: ecies WAR AV I MRO OSP MGO	<50m \ \ <50m \ \	50-100m	>100m	Flyovers  Plyovers  Plyovers  Plyovers	Pasture / Q Height*	Crop	YWAR	Amao 50 10
Habitat: ecies WAR AV I MRO OSP MGO	<50m \ \ <50m \ \	50-100m	>100m	Flyovers  Plyovers  Plyovers  Plyovers	Pasture / Q Height*	Crop W Printed	YWAR	Amao 50 10
Habitat:  Poices  WAR  AV I  MRD  DSP  MGD  MIGHT of blade in ground; A  bove height	<50m \ <50m \ \	50-100m	>100m	Flyovers  Plyovers  Plyovers  Plyovers	Pasture / Q Height*	Crop  W  PMRD	YWAR	AMGO SOSP AMGO 50 10
Habitat: scies WAR AV I NRO OSP NGO	Sweep will a Below heigh of blade sweep	50-100m	>100m	Flyovers  Plyovers  Plyovers  Plyovers	Pasture / Q Height*	Crop W Printed	YWAR	AMGO SOSP AMGO 50 10

# Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON

## **Birding Point Counts Survey**

Sta	ntec	Canada N Tel: (519) 8 Fax: (519)	336-6050			Ŏ	oservation Fo	rm
Proj	ect Number:	160	3950	443	98	Project Name:	Scobe p	ancels
	Date		July 1:	2, 201	2	Field Personnel:	D. Graho	in Tall
Weather C	onditions:	TEMI	P (°C):		IND:	CLOUD:	PPT: Nove	PPT (in last 24 hrs):  None
	GPS#:	T		14 40			14.12	
Statio	n:			Featu	re:		UTM: 607	9911
Start Tim		530		– End Tin		535		994 85266
Habita	at: □Forest	/ <b>□</b> Swamp	/ □Marsh	– /	Pasture / 🗆	ICrop residential	( 1	0 2 2 2 3
Species	<50m	50-100m	>100m	Flyovers	Height*	]		
Modo		X				-	Mary Lord	
505P	-M	sn						
GRCA	SM							
CHSP	X			V			GOSP(SM)	1000(x)
EUST	CF				<u> </u>		6 KCH GYY	T
HOSP	Cr		***************************************			HOSP(x /	1 CHGP	8
11034						Hosir	EUST/ >	7
			***************************************				1/4	50 100
		37	139				AMRO(CF)	12
						\	LS.	
			·····	1	175		150	100
O-On ground;	de sweep varie A-Below heigh ht of blade swe	nt of blade sweet	ep; B-At heigh	l eck with project at of blade sweet blade sweep	l manager. ep;			2.74KI 2.74KI
¥		4.4						
	44.6							
lehing :								
_							_	_
Page of						Ť	m is complete 🚨 & legil	ble 🔲.
Signa	ture:		/E: () =			Signature:		
			(Field Perso	onnel)			(Project Mana	iger)

						was the second of the second o
Statio		2		Featu		UTM: 608483
Start Tim	ne: 5	45		End Tin	ne:	5°° 4784921
Habita		t / □Swamp	/ □Marsh	_ / □Hay / 및	————Pasture / □	Crop
				-		OM (WT)  YEWDERDSH)
Species	<50m	50-100m	>100m	Flyovers	Height*	OMI CON
YEWA		<u> </u>	SM			YEWRESTISM
Howk		<u> </u>	SM			VILLO
KILL		V 2	X			But the
ATTK6	CF	X				AMROLX SOSPISA DIMEDIN
CHSP		SM				OCRA
BASW	X				<u> </u>	CHSP(S))
SOSP	SM	SM				GOSP(SM) EUST
EAKT		Hg				ANRO(CF) 50 100
AM6U	\ <u></u>	*				
COGR	X		4			ape bo BASW(X)
EUST	X			V		
* Height of bla	de sween will	vary from proje	ct to project: c	check with proje	oct manager	
O-On ground;	A-Below heigh	nt of blade sweetep; D-Well abo	ep; <b>B</b> -At heigh	nt of blade swee		
e / ibo to noigi	in or biddo ow	, ор, в чтоп авс	ove neight of b	nade sweep		
Statio	n: 3			Featu	re:	UTM: 608816
Start Tim	e: 6º	W 14		- End Tim	ie:	UTM: 608816 4785156
Habita	ut: □Forest	/ □Swamp	/ □Marsh	- / □Hay / □F		Crop. 7 185156
					,	1
Species Societ	<50m	50-100m	>100m	Flyovers	Height*	W
			SM SM			SDSP(SM)
SASP	······································	Χ	317			
MoDo	***************************************					Preson (NODO(X)
WAVI	·····	SM				CUMCOI
COGR		× ×		V		9x50 WAVIGN)
EAKT		×			ga firefred bureau ada a manaren an pay paper andorda (ga	(06e(x)
Hosp	X				<b>w</b> 1 + 2000d 20000d f 00 + 00 to d 14 hours were ten to receive w	1 A HARPCA
AM60	SM					0 1 100
RWBL	<u> </u>			V		
EUST	X					N EUSTON AME OF
BHCO						BHCO(X) EAKTE)
NOCA		OF				NOCATED
* Height of black	de sween will y	vary from projec	ct to project: c	heck with proje	ct manager	May
O-On ground;	A-Below heigh	nt of blade swee	ep; B-At heigh	t of blade swee		'
	. 3. 2.200 0770	-11-11-11-11-11-11-11-11-11-11-11-11-11				
Page of						SASP(SM)
, 040 01	•					
						Quality Control: This form is complete  . & legible .
Signa		1	Field Perso	onnel)		Signature:  (Project Manager)

	n: 4	2 7 1		Featu	re:			UTM: 608	3/58	
Start Tim	e:	615		End Tin		620		47	8758 3529	2
Habita	at: □Fores	t / □Swamp	/  Marsh /	' □Hay / □	Pasture / 🗆	Crop	NOFL(SM) KILL(X) AMRO	110	322/	7
Species	<50m	50-100m	>100m	Flyovers	Height*	1	1051 (SM)		RTHA	
RTHA	\30III	30-100m	烙FY	riyovers	neight		00470.0	W		
						1	KILLY)	SOSP(S	M)	School a
NOFL	~		SM	3		Colo				School a
KILL			X			1	/ 00	SM		1 0
SOSP			SM			- Icm	AMRO			
AMRO		SM				13500				
DHSW	3 X		, day	V		5 /		alw (	1/4	
HOSP	X						LINAS	BASWL	7)	
RUBL	57						01.181	) FI	STO 50	100
AMGO	SM						( nusm)	AMENTER	1 1	100
EUST	X						1	moors.	1 /	
										/
		4								
		1								Alban
		vary from proje							/	primia
		ht of blade swe eep; <b>D</b> -Well abo			ep;					to Erby for
		11/0								
Statio	n: <u></u>	5		Featu	re:			JTM: 60	18294	P
		(35		Feature End Time		<u>40</u>		JTM: 60	8294	<u> </u>
Start Time	e:	0	/ DMarsh /	End Tim	ne:	)		JTM: 60 47	8294 8553	4
Start Time	e: ht: □Forest	/ □Swamp		End Tim	ne: (	)		UTM: <u> 60</u> 47	)8294 8553	4
Start Time Habita	e:	0	>100m	End Tim	ne:	Crop		JTM: 60 47		
Start Time Habita pecies	e: □Forest	/ □Swamp	>100m SM	End Tim	ne: (	)		JTM: <u> 60</u> 47,		
Start Time Habita pecies VOCA	e: ht: □Forest	<i>O</i> / □Swamp	>100m	End Tim	ne: (	Crop	n	S		4 A(SM) SOSP(SM)
Start Time Habita pecies VOCA	e: □Forest	/ □Swamp	>100m SM	End Tim	ne: (	Crop	n	S		
Start Time Habita pecies	e: □Forest	<i>O</i> / □Swamp	>100m SM	End Tim	ne: (	Crop	n	S		
Start Time Habita  pecies  VOCA  SOS P  AMGU	e: □Forest	<i>O</i> / □Swamp	>100m SM	End Tim	ne: (	Crop	n	S		
Start Time Habita  Pecies  VOCA  SOS P  AMGU  EUST	e: □Forest	<i>O</i> / □Swamp	>100m SM	End Tim	ne: (	Crop	n	S		
Start Time Habita  Pecies  VOCA  SOS P  AMGU  EUST	e: Forest	<i>O</i> / □Swamp	>100m SM	End Tim	ne: (	Crop	n And	S EUS 7	Noc	
Habita  Pecies  VOCA  SOS P  AMGU  EUST	e: Forest	<i>O</i> / □Swamp	>100m SM	End Tim	ne: (	Crop	n And	S EUS 7	Noc	
Habita  Pecies  VOCA  SOS P  AMGU  EUST	e: Forest	<i>O</i> / □Swamp	>100m SM	End Tim	ne: (	Crop	n And so	S EUS 7	Noc	EALSM)
Start Time Habita  Pecies  VGCA  SOS P  AMGU  EUST	e: Forest	<i>O</i> / □Swamp	>100m SM	End Tim	ne: (	Crop	M AMESON SO	S EUS 7	Noc	
Start Time Habita  Pecies  VGCA  SOS P  AMGU  EUST	e: Forest	<i>O</i> / □Swamp	>100m SM	End Tim	ne: (	Crop	n And so	S S S S S S S S S S S S S S S S S S S	Noc	EALSM)
Start Time Habita  Pecies  VOCA  SOS P  AMGU  EUST	e: Forest	<i>O</i> / □Swamp	>100m SM	End Tim	ne: (	Crop	M AMESON SO	S EUS 7	Noc	EALSM)
Start Time Habita  Pecies  VOCA  SOS P  AMGU  EUST	e: Forest	<i>O</i> / □Swamp	>100m SM	End Tim	ne: (	Crop	M AMESON SO	S EUS 7	Noc	EALSM)
Start Time Habita  Pecies VOCA SOS P AMGU EUST OGR AMKO 3HCV	e:  Sm  SM  X  CF	O   Swamp     50-100m	>100m SM SM	End Tim	e:	Crop	M AMESON SO	S EUS 7	Noc	EALSM)
Habita  Pecies  UGCA  SOS P  AMGU  EUST  OGR  MRO  3HCO  Height of bled On ground;	e:    SM   X   X   CF   X     CF   X   CF     CF   X   CF   X     CF   X   CF     CF   X     CF     CF   X     CF   X	Swamp  50-100m  SM  vary from project of blade sweet	>100m  SM SM  ct to project; chap; B-At height	End Tim	ee:	Crop	M AMESON SO	S EUS 7	Noc	EALSM)
Habita  Pecies  UACA  SOS P  AMGU  EUST  OGR  MKO  3HCO  delight of bled On ground;	e:    SM   X   X   CF   X     CF   X   CF     CF   X   CF   X     CF   X   CF     CF   X     CF     CF   X     CF   X	Swamp  50-100m  SM	>100m  SM SM  ct to project; chap; B-At height	End Tim	ee:	Crop	M AMESON SO	S EUS 7	Noc	EALSM)
Height of black	e:    SM   X   X   CF   X     CF   X   CF     CF   X   CF   X     CF   X   CF     CF   X     CF     CF   X     CF   X	Swamp  50-100m  SM  vary from project of blade sweet	>100m  SM SM  ct to project; chap; B-At height	End Tim	ee:	Crop	M AMESON SON BHCO	S EUS 7	Noc	EALSM)
Height of blach	e:  SM  SM  X  CF  ABelow height of blade sweep	Swamp  50-100m  SM  vary from project of blade sweet	>100m  SM SM  ct to project; chap; B-At height	End Tim	ee:	Crop	M AMESON SON BHCO	S SOUSE S SPECIAL SEPECIAL SEP	NO C 5	EALSM)
Habita  Pecies  VOCA  SOS P  AMGU  EUST  COGR  AMKO  BHCO  Height of black  On ground;	e:  it: □Forest  <50m  X  X  CF  X  A-Below height of blade sween  it of blade sween  it of blade sween  it of blade sween  it of blade sween	Swamp  50-100m  SM  vary from project of blade sweet	>100m  SM SM  ct to project; chap; B-At height	End Tim	ee:	Crop	ANG SO SHCO	S SOUSE S SPECIAL SEPECIAL SEP	NO C 5	EALSM)

	on:(			Featu	re:	UTM: 608587
Start Tim	ne:	45	***************************************	End Tin	ne:	65° 4785464
Habit	at: □Fores	t / □Swamp	/ □Marsh	 /	-	
pecies	<50m	50-100m	>100m	Flyovers	Height*	
EAKI	-30Ш	30-100M	Ac	Flyovers	Height	S
SASP			SM		<u> </u>	Mary Forby
		SM	31	V		Follow row Bello
OGR		X				Follow course Barrey Copp medante 7 Persons Man Da for EMME 7 SASP(SM) MODA for EMME 7 SASP(SM) MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MODA MOD
MoDo		1		~		FOR EN SPERCE
towr.		SM				RUBLEX (SM)
WBL	X					NACO CARPO BASIO
EWA	X			~		SOSP(SN) (CX)
BASW	X		Y THE	V		3
SOSP	SM		7-17-1			Road 50 100
AMRO	χ					62
R			-			
					***************************************	
eight of bla	ide sweep will	vary from proje ht of blade swe	ct to project; c	heck with proje	ct manager.	
Start Tim	e: /	′ <b>6</b> 5		Featur		1 UTM: 604246
į.		∫ §≤ ∫ □Swamp	/ □Marsh /	End Tim	ie:	730 4985339
Habita		9	/ □Marsh / >100m	End Tim	ie:	Crop
Habita	at: □Forest	<i>O</i> / □Swamp		End Tim - □Hay / □F	e:Pasture / 🔲	73° 4985339 Crop S
Habita pecies	at: □Forest	<i>O</i> / □Swamp		End Tim - □Hay / □F	e:Pasture / 🔲	Crop
oecies OBA HMRO	at: □Forest <50m CF Ag	<i>O</i> / □Swamp		End Tim - □Hay / □F	e:Pasture / 🔲	Crop
Habita ecies AMRO	at: □Forest	<i>O</i> / □Swamp		End Tim - □Hay / □F	e:Pasture / 🔲	Crop
Habita pecies	at: □Forest <50m CF Ag	<i>O</i> / □Swamp		End Tim - □Hay / □F	e:Pasture / 🔲	Crop Hay
Habita Decies DEA HMRO	at: □Forest <50m CF Ag	<i>O</i> / □Swamp		End Tim	e:Pasture / 🔲	Crop Hay
Habita ecies 6A MRO	at: □Forest <50m CF Ag	<i>O</i> / □Swamp		End Tim - □Hay / □F	e:Pasture / 🔲	Hay Sign Cock (CF)
Habita ecies 6A MRO	Sh	<i>O</i> / □Swamp		End Tim	e:Pasture / 🔲	Crop Hay
Habita ecies 6A MRO	Sh	<i>O</i> / □Swamp		End Tim	e:Pasture / 🔲	Resolved Brico American
Habita Decies DEA HMRO	Sh	<i>O</i> / □Swamp		End Tim	e:Pasture / 🔲	Hay Sign Cock (CF)
Habita Decies DEA HMRO	Sh	<i>O</i> / □Swamp		End Tim	e:Pasture / 🔲	Resolved Brico American
Habita ecies 6A MRO	Sh	<i>O</i> / □Swamp		End Tim	e:Pasture / 🔲	Resolved Brico American
Habita ecies 6A MRO	Sh	<i>O</i> / □Swamp		End Tim	e:Pasture / 🔲	Resolved Brico American
Habita ecies AMRO	Sh	<i>O</i> / □Swamp		End Tim	e:Pasture / 🔲	Resolved Brico American
Habita  Decies  AMGO  AMGO  AMGO  ANGO  AN	Sth X X Y P A-Below heigh	/ Swamp  50-100m	>100 m	End Time  Hay / OF  Flyovers  Peck with project of blade swee	Pasture /  Height*	Resolved Brico American
Habita  Secies  ARO  AMGO  EWA  HOSP  HOSP  BHCO  On ground;	Sth X X Y P A-Below heigh	/ Swamp  50-100m	>100 m	End Time  Hay / OF  Flyovers  Peck with project of blade swee	Pasture /  Height*	Resolved Brico American
Habita ecies ARO MRO AMGO EWA HOSP HOSP HOSP HICO HISP Bight of blanding ground; bove height	Sth X X Y A-Below height of blade sweep	/ Swamp  50-100m	>100 m	End Time  Hay / OF  Flyovers  Peck with project of blade swee	Pasture /  Height*	Resolved Brico American
Habita ecies ARA MRO AMGO EWA HOSP HCO HSR	Show Show A Show	/ Swamp  50-100m	>100 m	End Time  Hay / OF  Flyovers  Peck with project of blade swee	Pasture /  Height*	Resolved BHCO AMBO(SH)  Road

Statio	n: 8			Featu	ıre:	UTM: 610065
Start Tim	e:	79		End Tir	ne:	71° 4785097
Habita	t: □Fores	r / □Swamı	o / □Marsh /	/	Pasture / C	Crop.
pecies	<50m	50-100m	>100m	Flyovers	Height*	Municipal park with retained ash is zet grass BLJA(X)
BLJA			X		000000000000000000000000000000000000000	+ crass AIX
COB		Χ	7-1-	V		BUJAG
Modo	***************************************	MZ				191000 (234)
EUST	X	X			1	(06P=7 FOSTCX) AMGO(SA)
AMGO	70	< M				
AMRO	CF	211			<u> </u>	BASS (X) AMROCAL
- 1	carring	00000	nateral			MOSP(comply rests fate
H05P	Carring	7	,,,,,,,			- ( morres)
BASW		_ X				AMBO (CF) 50 100
On ground;	A-Below heigh	nt of blade swe	ect to project; cl eep; <b>B</b> -At height love height of bl	t of blade swe		
Station	. 9			Featu	re:	UTM: 610535
Start Time	. —	72	)	End Tin		
		/ DS:	/ DM			478553
паріта	:: uForest	/ uSwamp	/ Marsh /	шнау / ш	Pasture / 🚨	Стор
pecies	<50m	50-100m	>100m	Flyovers	Height*	
EWA			SM			YEWO(Sh NOFL(SP)
NOFL			SM			
EAKI	TV	Ag				CUW EAKICAS SOSPESA
505P			SM			CUM AMPOCETED AMERICA
VOCA		SM	=			CUM NOCACIE) RUBLICA
AMRO		CF				AMROCEP
CEWA	V -			1/		CEMA SASP
AMO	5					AMEDICO) (54)
VO 10	$ \cup$	5M			··	50 100
2054		31			***************************************	
WBL						
					\$100 TO SERVICE SHOWS SHOW THE SERVICE SHOWS SHOW THE SERVICE SH	
On ground;	A-Below heigh	t of blade swe	ect to project; ch ep; B-At height ove height of bla	of blade swee		
age of						Quality Control: This form is complete ☐ & legible ☐.
Signat	ure:					Signature:
		<del></del> ;	(Field Perso	nnei)		(Project Manager)

Station:	<b>D</b>		Featu	re:		UT	M: 610406	41 50
Start Time:	730		End Tin	ne:	735	_	M: 610406 4785845	>
Habitat: □Fo	rest / □Swam	o / 🗆 Marsh	_ /	Pasture / 💷			7/8 5845	
pecies <50ı		>100m	Flyovers	Height*				
SAVI SOL	Ag	> 100III	Tiyovers	Height			5	
1					CUW			
AMRO	-+2						1400	
EWA	- I						AMRO CHWO(X) SOSP(S	
SOSP	SM			<u> </u>		~	CFWA(X) SOSPIS	/ IM
A MGO	SM			ļ	EA	NIC II		)
RUBL T			<u> </u>			-	RUBL 1	4160(ST
							1	
					Road.	RWBL	50	
							5 30	
		1			\			
Station:			rt of blade sweep lade sweep Featur End Tim	re:	750	UTI	478577	
Station:	sweep; D-Well ab	ove height of b	Featur	re:		UTI	478577	
Station: Start Time: Habitat: □For	745 est / □Swamp	ove height of b	Featur	re:		UTI	478577	
Station:  Start Time:  Habitat: □Forecies <50n	745 est / □Swamp	ove height of b	Featur End Tim	re: ne: ⊇asture / □0		UTI		
Station:  Start Time:  Habitat: □Forecies <50n  AWQ SM	yeep; D-Well ab	ove height of b	Featur End Tim	re: ne: ⊇asture / □0		UTI	478577	
Start Time:  Habitat: □For  Pecies <50n  AWR SM  EWA	yest / Swamp 50-100m SM	ove height of b	Featur End Tim	re: ne: ⊇asture / □0	Crop	UTI	478577 SE	
Station:  Start Time:  Habitat: □Formation  Peccies <50n  FWR SM	yeep; D-Well ab	ove height of b	Featur  End Tim	re: ne: ⊇asture / □0			478577 SE CEWAGAN	
Station:  Start Time:  Habitat: □Forecies <50n  FWR SM	yest / Swamp 50-100m SM	ove height of b	Featur  End Tim	re: ne: ⊇asture / □0	Crop	ancol	478577 SE CEWA(SM)	
Station: Start Time: Habitat: Policies <50n AWR SM MGU MRO C 3HCO X	Sweep; D-Well ab	ove height of b	Featur  End Tim	re: ne: ⊇asture / □0	Crop	AMGO (	478577 SE CEWA(SM)	
Station:  Start Time:  Habitat: □Form  Decies <50n  AWR SM  EWA  MGU  MRO C  3HCO X  SOSP Ao	Sweep; D-Well ab	ove height of b	Featur  End Tim	re: ne: ⊇asture / □0	Crop	AMGO(S	478577  SE  CEWA(SM)  NROSHOKX  SP (AS) 1	
Station:  Start Time:  Habitat: □Form  Decies <50n  AWR SIM  EWA  MRO  MRO  SHCO  X  SOSP  AO  STATE  AO  STATE  AO  AO  AO  AO  AO  AO  AO  AO  AO  A	Sweep; D-Well ab	ove height of b	Featur  End Tim	re: ne: ⊇asture / □0	Crop	ancol	478577  SE  CEWACSM  MROSHOCK	
Station:  Start Time:  Habitat: □Form  Decies <50n  EWA  MCU  MRO  SHCO  X  SOSP  AO  STATE  AO  STATE  STATE  AO  AO  AO  AO  AO  AO  AO  AO  AO  A	Sweep; D-Well ab	ove height of b	Featur  End Tim	re: ne: ⊇asture / □0	Crop	AMGO(S	478577  SE  CEWA(SM)  NROSHOKX  SP (AS) 1	
Station: Start Time: Habitat: □For Pecies <50n FEWA MGU MRO CI 3HCO X	Sweep; D-Well ab	ove height of b	Featur  End Tim	re: ne: ⊇asture / □0	Crop	AMGO(S)	478577  SE  CEWA(SM)  NEOSHOCK  SP (A5) 1/  BASY  50	CAN
Station:  Start Time:  Habitat: □Form  Decies <50n  EWA  MCU  MRO  SHCO  X  SOSP  AO  STATE  AO  STATE  STATE  AO  AO  AO  AO  AO  AO  AO  AO  AO  A	Sweep; D-Well ab	ove height of b	Featur  End Tim	re: ne: ⊇asture / □0	Crop	AMGO(S)	478577  SE  CEWA(SM)  NEOSHOCK  SP (A5) 1/  BASY  50	CAN
Station: Start Time: Habitat: □Forecies <50n FWR SM MGU MRO CI 3HCO X	sweep; D-Well ab  745  Pest / □Swamp  50-100m  SM	ove height of b	Featur  End Tim	re: ne: ⊇asture / □0	Crop	AMGO(S)	478577  SE  CEWA(SM)  NEOSHOCK  SP (A5) 1/  BASY  50	CAN
Station:  Start Time:  Habitat: □For  Pecies <50n  FWA  MRO  MRO  SHOO  SHOO  AND  CI  SHOO  AND  AND  AND  AND  AND  AND  AND  A	sweep; D-Well ab  745  Pest / □Swamp  50-100m  SM	ove height of b	Featur  End Tim	re: ne: ⊇asture / □0	Crop	AMGO(S)	478577  SE  CEWA(SM)  MROSHOCX  SP(A5) // BASW	CAN
Station: Start Time: Habitat: □For Pecies <50n PEWA MGU MRO C 3HCO X SOSP Ao BASW X	sweep; D-Well ab  7 4 5  est / □Swamp  50-100m  SM  SM  will vary from proje	ove height of b	Feature End Time Hay / □ Flyovers	re: Pasture / DO Height*	Crop	AMGO(S)	478577  SE  CEWA(SM)  NEOSHOCK  SP (A5) 1/  BASY  50	CAN
Station:  Start Time:  Habitat: □Form  Decies <50n  AWR SIM  EWA  MRO  SHOO  S	sweep; D-Well ab  745  est / □Swamp  50-100m  SM  SM  SM  Significant from projection of blade sweeth of blade sweeth from projection of blade sweeth from pro	ove height of b	Feature End Time Hay / □ Flyovers	re: Pasture / DO Height*	Crop	AMGO(S)	478577  SE  CEWA(SM)  NEOSHOCK  SP (A5) 1/  BASY  50	CAN
Station:  Start Time:  Habitat: □Form  Decies <50n  EWA  MRO  MRO  SHOO  SHOO  AND  MRO  SHOO  SHOO  SHOO  AND  MRO  CI  SHOO  SHOO  AND  MRO  CI  SHOO  AND  MRO  AND  MRO  CI  SHOO  AND  MRO  MRO  AND  MRO  AND  MRO  MRO  AND  MRO  MRO  AND  MRO  MRO  AND  MRO  MRO  MRO  MRO  MRO  MRO  MRO  MR	sweep; D-Well ab  745  est / □Swamp  50-100m  SM  SM  SM  Significant from projection of blade sweeth of blade sweeth from projection of blade sweeth from pro	ove height of b	Feature End Time Hay / □ Flyovers	re: Pasture / DO Height*	Crop	AMGO(S)	478577  SE  CEWA(SM)  NEOSHOCK  SP (A5) 1/  BASY  50	CAN
Station: Start Time: Habitat: Properties <50n Part	sweep; D-Well ab  745  est / □Swamp  50-100m  SM  SM  SM  Significant from projection of blade sweeth of blade sweeth from projection of blade sweeth from pro	ove height of b	Feature End Time Hay / □ Flyovers	re: Pasture / DO Height*	Crop	AMGO(S)	478577  SE  CEWA(SM)  NEOSHOCK  SP (A5) 1/  BASY  50	CAN

# Birding Point Counts Survey Observation Form

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

Sta	intec	Fax: (519)	836-2493					
Proj	ect Number	r:	0950	1443		Project Name:	Scube Pe	bræle
	Date	e:	2014 18	201	2	Field Personnel:		
		TEM	IP (°C):	l w	IND:	CLOUD:	PPT:	PPT (in last 24 hrs):
Weather C	onditions:	1	-25	0-	1	107.	None	None
Statio	GPS #	: T		- Featu	re:		UTM: ( ) (	0.037
Start Tim	100	-750		- End Tin		755	UTM: 610	,037
		/ t / □Swamp	n / □Marsh .	_		1Crop	478	5573,7
	<50m	50-100m				7 COW		) /
Species NOCA	<50m	50-100m	>100m	Flyovers	Height*		E	
SASP		5M					NOCA(SM)	//
505f		SM			4 1 1 1 1 1 1 1		CHSP (SN)	1
BHCO	X			V			A SOSP(SM)	WIFL(SM)
COGR	X			V		SHCO!	SUSTISS	MENT (SM)
AM60	SM					I ( U i).		_
WIFL		SM				\ \X	AMECEN	1/21
WAY		SM				Mad	RAN	50 100
RWBL	X	11-211		V		1000		1 100
							EL TOTAL	
					The trade distantial translation of the second			WIFLISM
* Height of bla	de sweep van	ies from projec	t to project; che	eck with project	manager.			
Page of		eep; <b>D</b> -Well ab	ove height of b	lade sweep		Quality Control: This for	m is complete 🖵 & leg	gible □.
Signa	ture:					Signature:		
			(Field Perso	nnel)			(Project Man	ager)

(Project Manager) REV: 2011-05-04 / FORM 020

Statio	n:	3	en milit	Featu	re:	UTM: 610049
Start Time		X00		End Tin	ne:	4785387
Habita	ıt: □Fores	t / □Swamr	o / □Marsh	– /	 Pasture / □	
Species	<50m	50-100m	>100m	Flyovers	Height*	<b> </b>
RWBL			SM			T and cst
SOSP		SM				RWELCSH
CHSP		SM.		_		
AM60	SM					CHO(SM) HOS(S)
HOSP	X					CHO(3M)
NOMO	Aa				**************************************	MO MO MO MO
AMRO	)	SM	ĺ			AMOOGA) (NO MORE) AMADOCH)
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						50 100
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			ļ !			
<i>∺eignt of blad</i> -On ground; <i>i</i>	A-Below heig	ht of blade swe	ep; <b>B</b> -At heigh	heck with proje at of blade swee	ect manager. ep;	
		een: D-Well ah	ove height of b	lade sweep		
	it of blade swi	cop, o won ab				
-Above heigh		i	·····	Footuu		LISTAN / CCC/ C
	1: 11			Featur		UTM: 609860
-Above heigh Station	1: 11	t 513		Featur		UTM: 609860 4785605
Station Start Time	1: <u>       </u>	£ 13	/ □Marsh /	-	ie:	785605
Station Start Time	1: <u>       </u>	£ 13	>100m	End Tim	ie:	
Station Start Time	t: □Forest	K Swamp	>100m SM	End Tim	e:Pasture / 🗖	Crop
Station Start Time	t: □Forest	K Swamp	>100m	End Tim	e:Pasture / 🗖	Crop
Station Start Time Habitat  pecies  AWR	t: □Forest	/ USwamp	>100m SM	End Tim	e:Pasture / 🗖	Crop
Station Start Time Habitat  Pecies  AWR  AMGO	t: □Forest	K Swamp	>100m SM	End Tim	e:Pasture / 🗖	Endowast. #ISPCSM)
Station Start Time Habitat  Pecies FISP AWR AMGO SASW	t: □Forest	/ USwamp	>100m SM	End Tim	e:Pasture / 🗖	Fallow 257. #ISPCSM)
Station Start Time Habitat  Pecies  AWR  AMGO  AMGO	t: □Forest	/ USwamp	>100m SM	End Tim	e:Pasture / 🗖	Fallow 257. #ISPCSM)
Station Start Time Habitat  Pecies  AMR  AMGO  BRTH	t: □Forest	/ USwamp	>100m SM	End Tim	e:Pasture / 🗖	Follow 257.  AMERICAN  BROWN  CAWRO
Station Start Time Habitat  Pecies SISP AMBO BASW R BRTH EUST	t: □Forest	/ USwamp	>100m SM	End Tim	e:Pasture / 🗖	Follow 25% HSPCSM) AMERICAN BROWN CAWRO
Station Start Time Habitat  Pecies FISP AMR AMGO 3ASW RBL BRTH EUST HOSP	t: □Forest	/ USwamp	>100m SM	End Tim	e:Pasture / 🗖	AMERICAN BROWN CAWRO
Station Start Time Habitat  Pecies SISP AMBO BASW RETH EUST HOSP	t: □Forest	/ USwamp	>100m SM	End Tim	e:Pasture / 🗖	AMERICAN BERTHAN CAWRO
Station Start Time Habitat  Pecies FISP AMR AMGO 3ASW RBL BRTH EUST HOSP	t: □Forest	/ USwamp	>100m SM	End Tim	e:Pasture / 🗖	AMERICAN BERTHAN CAWRO
Station Start Time Habitat  Pecies FISP AWR AMGO SASW REUST HOSP	t: □Forest	/ USwamp	>100m SM	End Tim	e:Pasture / 🗖	AMERICAN BREAK CAWRO
Station Start Time Habitat  Pecies FISP AWR AMGO SASW REUST HOSP	t: □Forest	/ USwamp	>100m SM	End Tim	e:Pasture / 🗖	AMEACH BROWN CAWRO
Station Start Time Habitat  Pecies FISP AMR AMGO 3ASW RWBL BRTH EUST HOSP	t: □Forest	/ USwamp	>100m SM	End Tim	e:Pasture / 🗖	AMEACH BROWN CAWRO
Station Start Time Habitat  Pecies FISP AWR AMGO 3ASW REUST HOSP OGL BHCO	t: □Forest <50m	SM	>100m SM SM	End Tim	Pasture /  Height*	AMERICAN BROWN CAWRO
Station Start Time Habitat  Pecies  PLAN R  AMGO  BRTH  EUST  HOSP  OGR  BHOOPHeight of blad On ground; A	t: □Forest  <50m	SM	>100m  SM  SM  ct to project; clep; B-At height	End Time  Hay /   Flyovers  Flyovers  heck with projet of blade swee	Pasture /  Height*	AMERICAN BERTHAN CAWRO
Station Start Time Habitat  Pecies PISP AMBO 3ASW RWBL BRTH EUST HOSP OGR BHCO	t: □Forest  <50m	SM  Solution of blade sweeters and sweeters are sweeters as well as the sweeters are sweeters as well as the sweeters are sweeters as well as the sweeters are sweeters as the sweeters are sweeters as the sweeters are sweeters as the sweeters are sweeters.	>100m  SM  SM  ct to project; clep; B-At height	End Time  Hay /   Flyovers  Flyovers  heck with projet of blade swee	Pasture /  Height*	AMERICAN BROWN CAWRO
Station Start Time Habitat  Pecies FISP AMGO 3ASW BL BRTH EUST HOSP OGL On ground; A-Above height	t: □Forest  <50m  X  ABelow height of blade sweep	SM  Solution of blade sweeters and sweeters are sweeters as well as the sweeters are sweeters as well as the sweeters are sweeters as well as the sweeters are sweeters as the sweeters are sweeters as the sweeters are sweeters as the sweeters are sweeters.	>100m  SM  SM  ct to project; clep; B-At height	End Time  Hay /   Flyovers  Flyovers  heck with projet of blade swee	Pasture /  Height*	AMERICAN BROWN CAWRO
Station Start Time Habitat  Pecies  SISP  AMR  AMGO  BRTH  EUST  HOSP  OGR  BHCO	t: □Forest  <50m     Section   Secti	SM  Solution of blade sweeters and sweeters are sweeters as well as the sweeters are sweeters as well as the sweeters are sweeters as well as the sweeters are sweeters as the sweeters are sweeters as the sweeters are sweeters as the sweeters are sweeters.	>100m  SM  SM  ct to project; clep; B-At height	End Time  Hay /   Flyovers  Flyovers  heck with projet of blade swee	Pasture /  Height*	AMERICAN BERTHAN CAWRO

Station:	16	П	Featu	re:			UTM: (d	58784
Start Time:	835		End Tin	ne: 7	40		4	58784 785104
Habitat: □Fore	st / 🗆 Swamp	/ □Marsh	_ / □Hay / □	Pasture / 🗆	Crop	ord		1000
pecies <50m	50-100m	>100m	Flyovers	Height*		010		
WIFL	30-100/11	SM	Flyovers	neight"	1			
					-			/
CEWA	1 1		1/		- 1			EWA-(1)
BASW	X		1		rodet	_		1
YUMA X			•	<u> </u>		EAKICA	BREM (3)	WEEC.
EAK	Ag				\-	/ Emily	POVIE	50
SASI	SM	[			, X	(m.	200	60
3600 3X			V			SKO(SM)	20000	3 CUM
505P	SM					3. 1		50
							1	30
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						\		1
eight of blade sweep wi	ll vary from proje	ct to project; c	heck with proje	ect manager.	ı			1/
On ground; A-Below hei above height of blade sy				ep;			- 1 7	
Freidenta	V; BAO	K						
Station: #	5 19		Featu	re:			UTM:	11787
							V.	
itart Time:	9.85	***	- End Tim	 ne:	910		K	
start rime:	F	/ DMorob /	End Tim				K	178555
Start Time: Habitat: □Fores	F	/ □Marsh /	-				K	
Habitat: ☐Fores	F	>100m	-				<u> </u>	
Habitat: Fores	st / □Swamp		′ □Hay / □F	Pasture / 🚨			W W	+78SSS
Habitat: ☐Fores	st / □Swamp	>100m	′ □Hay / □F	Pasture / 🚨		Noc	- Con W	+78SSS
Habitat: ☐Fores	st / □Swamp	>100m	′ □Hay / □F	Pasture / 🚨		Noc	- Con W	
Habitat: Fores  Secies <50m  WOL  BASW	st / □Swamp	>100m	′ □Hay / □F	Pasture / 🚨		Noce Sm)Rh	- Con W	+78SSS
Habitat: Fores  Decies <50m  WAGA  WAGA  BASW  AMG 0	st / □Swamp    50-100m	>100m	′ □Hay / □F	Pasture / 🚨		Noco Arma Basa	- Con W	+78SSS
Habitat: Fores  Decies <50m  WAGA  WAGA  BASW  AMG 0	st / □Swamp    50-100m	>100m	′ □Hay / □F	Pasture / 🚨		NOCO BASA	BL(X)	+78SSS
Habitat: DFores  ecies <50m  IGA  WBL  SASW  AMG 0  UST	st / □Swamp    50-100m	>100m	′ □Hay / □F	Pasture / 🚨		MASU BASU	BLCX)  (X) ³ E	+78SSS
Habitat: Fores  ecies <50m  16CA  WBL  SASW  MM60  UST  MR0  OSP	st / □Swamp    50-100m	>100m SM	′ □Hay / □F	Pasture / 🚨		MASU BASU	BL(X)	+78SSS
Habitat: Fores  Secies <50m  GCA  WBL  SASW  MGO  UST  MRO  OSP	st / □Swamp    50-100m	>100m	′ □Hay / □F	Pasture / 🚨		Noce MINESTRY BASIN EUSTON	BLCX)  (X) ³ E	7855S
Habitat: DFores  ecies <50m  J6CA  WBL  BASW  AM60  UST  MR0  USP	st / □Swamp    50-100m	>100m SM	′ □Hay / □F	Pasture / 🚨	Crop	MASU BASU	BLCX)  (X) ³ E	+78SSS
Habitat: DFores  ecies <50m  J6CA  WBL  BASW  AM60  UST  MR0  OSP	50-100m	>100m SM	′ □Hay / □F	Pasture / 🚨	Crop	MASU BASU	BLCX)  (X) ³ E	7855S
Habitat: DFores  ecies <50m  J6CA  WBL  BASW  AM60  UST  MR0  OSP	50-100m	>100m SM	′ □Hay / □F	Pasture / 🚨	Crop	MASU BASU	BLCX)  (X) ³ E	7855S
Habitat: DFores  Secies <50m  WBL  BASW  AMG 0  EUST  MRO X	50-100m	>100m SM	′ □Hay / □F	Pasture / 🚨	Crop	MASU BASU	BLCX)  (X) ³ E	7855S
Habitat: Fores  Decies <50m  VOCA  WBL  BASW  AM60  EUST  MRO  X  1058	Swamp   S0-100m	>100m SM	Flyovers	Pasture / D Height*	Crop	MINE BASIL	BLCX)  (X) ³ E	7855S
Habitat: Fores  Secies <50m  V6CA  WBL  BASW  AMG 0  EUST  MRO X  1058  505P	St / Swamp  50-100m  X X SM X SI vary from projection	>100m SM	Flyovers	Pasture /  Height*	Crop	MINE BASIL	BLCX)  (X) ³ E	7855S
Habitat: DFores  ecies <50m  J6(A)  WBL  SASW  AMG 0  UST  MRO X  OSR  5005P	St / Swamp  50-100m  X  X  SM  A  I vary from projection of blade sweet	>100m  SM	Flyovers  Peck with project of blade sweet	Pasture /  Height*	Crop	MINE BASIL	BLCX)  (X) ³ E	7855S
Habitat: □Fores  ecies <50m  VOA  WBL  BASW  AMG 0  EUST  MRO  OSR  SOSP	St / Swamp  50-100m  X  X  SM  A  I vary from projection of blade sweet	>100m  SM	Flyovers  Peck with project of blade sweet	Pasture /  Height*	Crop	MINE BASIL	BLCX)  (X) ³ E	7855S
Habitat: □Fores  Decies <50m	St / Swamp  50-100m  X  X  SM  A  I vary from projection of blade sweet	>100m  SM	Flyovers  Peck with project of blade sweet	Pasture /  Height*	Crop	EUSTON BASI	AMROUS	78SSS
Habitat: □Fores  ecies <50m  V6CA  WBL  AMG 0  EUST  MRO X  OSP  eight of blade sweep will on ground; A-Below height of blade sw	St / Swamp  50-100m  X  X  SM  A  I vary from projection of blade sweet	>100m  SM	Flyovers  Peck with project of blade sweet	Pasture /  Height*	Crop	FUSTON This form is a	AMROUS	78SSS

Station				Featu -	re:		UTM: 6/1228	
Start Time:	: 8	50		End Tin	ne:	85	4785587	
Habitat:	: □Forest	t / □Swamp	/ □Marsh	/ □Hay / □	Pasture / 🗖			
ecies	<50m	50-100m	>100m	Flyovers	Height*	Banks Travell	BASW S	
BASW	31		1	1000				
SW	State of the state	X		V				
BHCO	P				CAN			
AMGO	X		M				TRSW(X)	\
EWA	X					10	OF NOW	1
EW.BL	X			1			Arrenix	
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			And the second and the second that the					
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leight of blade	- Sweep will	vary from proje	ct to project; c	theck with project	ect manager.			
		eep; <b>D</b> -Well abo			<b>-μ</b> ,			
04 41	······································							
Station:			u'	Featu		32,3	UTM:	
			U	Featur End Tim		CANADA April Dala	UTM:	
Start Time:		/ <b>□</b> Swamp	/ ⊒Marsh /	End Tim		Crop Crop Crop Crop Crop Crop Crop Crop	UTM:	
Start Time: Habitat:	Forest			End Tim	e:	Crop	UTM:	
Start Time: Habitat:		/ □Swamp	/	End Tim	ne:	Crop	UTM:	
Start Time: Habitat:	Forest			End Tim	e:	Crop	UTM:	
Start Time: Habitat:	Forest			End Tim	e:	Crop	UTM:	
Start Time: Habitat:	Forest			End Tim	e:	Crop	UTM:	
Start Time: Habitat:	Forest			End Tim	e:	Crop	UTM:	
Start Time: Habitat:	Forest			End Tim	e:	Crop	UTM:	
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Start Time: Habitat:	Forest			End Tim	e:	Crop		
Start Time: Habitat:	Forest			End Tim	e:	Crop		
Start Time: Habitat: pecies	<50m <ssweep td="" v<="" will=""><td>50-100m</td><td>&gt;100m</td><td>End Tim</td><td>Pasture / 🔾 (Height*</td><td>Crop</td><td></td><td></td></ssweep>	50-100m	>100m	End Tim	Pasture / 🔾 (Height*	Crop		
Start Time: Habitat: Decies	<50m  Sweep will v Below heigh	50-100m	>100 m	End Time  / □Hay / □F  Flyovers  heck with projet of blade sweet	Pasture / 🔾 (Height*	Crop		
Habitat: Hecies  eight of blade On ground; A-	<50m  Sweep will v Below heigh	50-100m	>100 m	End Time  / □Hay / □F  Flyovers  heck with projet of blade sweet	Pasture / 🔾 (Height*	Crop		
Habitat: Hecies  High to blade on ground; A-Above height of the state	Sweep will value below heigh of blade swe	50-100m	>100 m	End Time  / □Hay / □F  Flyovers  heck with projet of blade sweet	Pasture / 🔾 (Height*			
Habitat: Decies  Feight of blade On ground; A-	Sweep will value below heigh of blade sweep	50-100m	>100 m	End Time  / □Hay / □F  Flyovers  heck with projet of blade sweet	Pasture / 🔾 (Height*		50	