Memo

To:

File:



Andrew Taylor

16096709

From: Cheryl-Anne Payette Guelph Date: January 6, 2012

Reference: Fall Botanical, Ecological Land Classification and roadside Ecological Land Classification Suncor Cedar Point Wind Project

This memo has been prepared to provide a summary of the field investigations conducted from November 14 to 23 2011 and December 15 to 16 2011, in the Cedar Point Wind Project study area, in Lambton county near Forest, Ontario. These investigations were undertaken by Cheryl-Anne Payette, Nicole Charlton and Natalie Leava.

Field investigations for this project were conducted to confirm and assess the character of existing conditions. The work included Ecological Land Classification (ELC) of vegetation communities, documentation of wildlife (or evidence of) and identification of potentially significant natural heritage features. Vegetation communities were delineated on aerial photographs and confirmed in the field; community characterizations were then based on the ELC system (Lee et al., 1998). English colloquial names and scientific binominals of plant species generally follow Newmaster et al. (1998).

Natural heritage information collected from the subject lands was evaluated to confirm potential significance of natural areas and species. The provincial status of all plant species is based on Newmaster et. al (1998), with updates from the NHIC (2011). Identification of potentially sensitive plant species is based on assignment of a coefficient of conservatism value (CC) to each native species in southern Ontario (Oldham et al., 1995). The value of CC, ranging from 0 (low) to 10 (high), is based on a species' tolerance of disturbance and fidelity to a specific natural habitat. Species with a CC value of 9 or 10 generally exhibit a high degree of fidelity to a narrow range of habitat parameters.

Incidental wildlife observations were made during the survey, and hedgerows were scanned in order to search for rare species such as butternut (*Juglans cinerea*) and Eastern Flowering dogwood (*Cornus florida*).

Vegetation Communities

The vegetation communities, based on the ELC system for Southern Ontario, are shown in **figures 1-44**.

This study area consisted primarily of active agricultural land, Wetland communities and deciduous forest communities. The majority of communities assessed within this One Team. Infinite Solutions.

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Reference: Fall Botanical and ELC Cedar Point Wind Project

survey were completed on site, with the exception of roadside surveys as indicated for those properties with no landowner access.

The vegetation community types are succinctly described in **Table 1** below.

| Table 2 Ecological Land Classification (ELC) Vegetation Types | | | | | | | | |
|---|---|--|--|--|--|--|--|--|
| ELC TYPE Community Description | | | | | | | | |
| Forest (FO) | | | | | | | | |
| Deciduous Forest (FO | D) | | | | | | | |
| FOD2-4(tile 44) Dry-Fresh Oak- Hardwood Deciduous Forest | This community is dominated by red oak and American elm with some white ash and sugar maple. The sub-canopy is comprised of American elm and white ash with an understory of hawthorn, dogwood and sugar maple. Goldenrod and aster are the dominant species in the ground layer. This community borders a riparian area and is found on a steep slope leading up to agriculture. | | | | | | | |
| FOD3-1 (tile 24) Dry- Fresh Poplar Deciduous Forest | This woodland is successional in nature with managed agriculture on three sides and a road on the other. The community is growing on a slope and is culturally influenced. The canopy includes balsam poplar, ash and trembling aspen, with sugar maple in equivalent numbers. Hawthorne and red raspberry are in the understory and groundcover is dominated by grasses and goldenrods. | | | | | | | |
| FOD4-1(tile 44) Dry-Fresh Beech Deciduous Forest | This community, which runs alongside a small stream, is dominated by American beech with some American elm and black walnut also present. The sub-canopy is comprised of American beech with white elm. The Understory cover includes hawthorn, white elm and black raspberry, with a ground cover composition including garlic mustard, goldenrod and clover. | | | | | | | |
| FOD 4-4*(tile 44) Dry-Fresh American Elm-White Ash Deciduous Forest | American elm dominates this community with white ash, black walnut and large toothed aspen also present. The sub-canopy has a similar composition with some red oak and sugar maple also present. The understory is quite full with red raspberry, hawthorn and rose species. The ground layer was also full, with goldenrods, asters and garlic mustard. | | | | | | | |
| FOD5-2(tile 18) Dry-Fresh Sugar Maple-Beech Deciduous forest | Sugar Maple dominates this community in both the canopy and understory; American Beech is also prevalent in this community. This forest is managed as evidence of logging activity is found throughout, including an ATV trail system, stumps and logs. The ground layer contained a number of open species including grasses and goldenrod as the canopy has openings in a number of areas from logging activity. | | | | | | | |
| FOD5-2(tile 40) Dry-Fresh Sugar Maple-Beech Deciduous Forest | This community is dominated by American beech and sugar maple in similar proportions; red oak and ash are also predominant in the canopy. The understory is dominated by sugar maple and American beech with some blue beech. Ground cover consists of zigzag goldenrod and wild strawberry. | | | | | | | |
| FOD5-3(tile 25)Sugar maple with bur oak and red oak are the dominant species in th community, which is found on a slope at the south end of the agricult The understory is dominated by young sugar maple as well as black with a ground layer of wild strawberry and garlic mustard. | | | | | | | | |
| FOD5-6(tile 22)This community is found on a steep slope on the field side of the v east of oil heritage rd. and Douglas line. The canopy is dominated maple-Basswood Deciduous ForestThis community is found on a steep slope on the field side of the v east of oil heritage rd. and Douglas line. The canopy is dominated maple and basswood with black cherry and ash sp. The sub canop understory are sparsely vegetated with sugar maple and ironwood canopy and black cherry in the understory. The ground layer is do species of goldenrod, avens and running strawberry bush. | | | | | | | | |

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| Table 2 Ecological Land Classification (ELC) Vegetation Types | | | | | | | |
|---|--|--|--|--|--|--|--|
| ELC TYPE | Community Description | | | | | | |
| FOD5-6(tile 27) Dry-Fresh Sugar Maple-Basswood Deciduous Forest | This community is dominated by sugar maple, white oak and basswood in the canopy. Sugar maple also dominates the sub-canopy with equal proportions of basswood, ironwood and American beech. The understory is dominated with sugar maple and some black cherry, with sedges, panicled aster and goldenrod in the ground cover. | | | | | | |
| FOD6(tile 32) Fresh-Moist Sugar Maple Deciduous forest Ecosite | This community is found far back from road edge and due to lack of property access a community vegetation type was not possible to determine. Species observed include shagbark hickory, sugar maple and ash, as well as American beech in the understory. | | | | | | |
| FOD6-1(tile 8) Fresh-Moist Sugar Maple-Lowland Ash Deciduous Forest | This community runs to the north of the decommissioned rail line. It was assessed from the southern property boundary as access was not available to the adjacent property. The canopy is variable including numerous species with ash and maple dominating. Other species included white elm and red maple. The understory is quite thicketed with hawthorn, buckthorn and gray dogwood. | | | | | | |
| FOD6-1 (tile 22) Fresh-Moist Sugar Maple-Lowland Ash Deciduous Forest with SWD2-2 complex | This community is found on the west side of Oil Heritage rd. with a drainage canal running through its center. It is dominated by sugar maple and ash in equal proportions, with bitternut hickory and basswood also in the canopy. The sub-canopy is dominated by sugar maple, ironwood and ash, and the understory is composed of sugar maple, ironwood and black cherry. Goldenrod spp., running strawberry and avens spp. are found in the ground layer. | | | | | | |
| FOD6-1(tile 34) Fresh-Moist Sugar Maple-Lowland Ash Deciduous Forest | This actively logged community is dominated by sugar maple and ash with red oak and American beech in the canopy. The dominant understory vegetation includes buckthorn, bitternut hickory and black cherry, with the ground layer dominated by garlic mustard, wild strawberry and sedge species. The community is found to the south of the drainage creek adjacent to the field. | | | | | | |
| FOD6-2(tile 22) Fresh-Moist Sugar Maple-Black Maple Deciduous Forest with SWD2-2 and FOD8-1 inclusions | This vulnerable community type is found to the east of Oil Heritage rd. along a slope area and lowland associated with the creek. It is dominated by black maple and sugar maple in equal proportions, with basswood and ash also present in the canopy. Maple species are also dominant in the sub-canopy with some ash and ironwood. The understory included black cherry, raspberry and buckthorn and the ground layer was dominated by running strawberry bush, Pennsylvania sedge and goldenrod species. Two inclusions were identified in this community found in the bottomland portion of the community. | | | | | | |
| FOD6-5(tile 1) Fresh-Moist Sugar Maple-Hardwood Deciduous Forest | This community is variable in nature with numerous pools of standing water interspersed with hilled hummock areas. The canopy was comprised of sugar maple and shagbark hickory, with some Freeman's maple and green ash. The understory was very full and almost entirely dominated by spice bush with the occasional blue beech. Ground cover vegetation is sparse with only the occasional sedge, some strawberry and occasional to rare ferns. | | | | | | |
| FOD6-5(tile 9) Fresh-Moist Sugar Maple-Hardwood Deciduous Forest with MAM2-10 inclusion | This community found on the north side of cedar point line along the proposed hydro line is dominated by sugar maple, bur oak and shagbark hickory in the canopy. The understory is very sparse with some red raspberry, nannyberry, currant and buckthorn and the ground layer consisted of strawberry, twinflower and garlic mustard. A small opening in the canopy allowed for a small inclusion of forb meadow marsh in a small wet pocket within the wooded area. | | | | | | |
| FOD6-5(tile 9) Fresh-Moist Sugar Maple-Hardwood Deciduous Forest | This community is found to the South of cedar point road and is similar in composition to the community described above. The canopy is dominated by sugar maple, shagbark hickory and red oak, the understory is very sparse with only rarely occuring rose species, and the ground layer is also sparse with | | | | | | |

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| Table 2 Ecological Land Classification (ELC) Vegetation Types | | | | | | | |
|---|--|--|--|--|--|--|--|
| ELC TYPE | Community Description | | | | | | |
| | some sedges, herb Robert and strawberry. | | | | | | |
| FOD6-5(tile 19) Fresh-Moist Sugar Maple-Hardwood Deciduous Forest with SWD2-2 inclusion | This maple dominant forest is found in the south west end of tile 19, and is actively being harvested for maple syrup production as evidenced by equipment running through the woodlot. Other species in the community were of equal proportions, including shagbark hickory, red oak and ash. A small inclusion was present in a lower area of the woods which included a number of freeman maple and green ash. The groundcover in this community included wild strawberry, enchanter's nightshade, zigzag goldenrod and Christmas fern. | | | | | | |
| FOD6-5(tile 27) Fresh-Moist Sugar Maple-hardwood Deciduous Forest with FOD9-3 complex and SWD2-2 complex | This community is very mixed with two separate complexes found due to the varied nature of the terrain. As a result the dominant community was difficult to ascertain. The canopy is dominated by sugar maple, basswood, green ash and bur oak, with sugar maple and American beech dominating the sub-canopy and understory. Ground cover consists of avens, goldenrod and garlic mustard. This community is also culturally disturbed with evidence of recent logging activity. | | | | | | |
| FOD6-5(Tile 27) Fresh-Moist Sugar Maple-Hardwood Deciduous Forest | Sugar maple dominates the canopy in this community with basswood and some black maple. The sub-canopy and understory are also dominated by sugar maple with ironwood, hawthorn and cherry. Running strawberry bush was the dominant groundcover with garlic mustard and Pennsylvania sedge. This community is confined by a slope to the north and south edges and contains a number of drainage ditches and artificial waterways running into the area. | | | | | | |
| FOD6-5(tile 27) Fresh-Moist Sugar maple-Hardwood Deciduous Forest | This young community is dominated by sugar maple and basswood with an understory of hawthorn and buckthorn. Avens, goldenrods and sedges dominate the groundcover. The community transitions to a more mature forest outside of the buffer. | | | | | | |
| FOD6-5(tile 29) Fresh-Moist Sugar Maple-Hardwood Deciduous forest with SWD2-2 complex | This large contiguous forest is very species rich with Sugar maple, Bur oak and ash dominating the canopy. The sub-canopy included sugar maple, yellow birch and white elm and the understory is dominated by spicebush, red raspberry and winterberry. Green ash mineral swamp is found in pockets throughout the community with standing water and wetland plant species richness including reed canary grass and sedges. The ground cover is very fern rich with Christmas fern found throughout and sedges and wild strawberry dominating. This community has some evidence of disturbance with trails and log piles found throughout, as well as waste areas close to agricultural field edges. | | | | | | |
| FOD6-5(tile 39) Fresh-Moist Sugar Maple-Hardwood Deciduous forest | This community is found in a small woodlot at the corner of McFarlane rd. and highway 402. It has been heavily deer browsed with many small saplings in the understory, stumps are indicative of logging activity in the past. The canopy is dominated by a mix of sugar maple and various other hardwood species including, bur oak, red oak and Freeman's maple, the understory has sugar maple, as well as white elm, black cherry and American beech. The understory is heavily populated with young sugar maple and American beech saplings, many of which have been browsed by white-tailed deer. The ground layer was sparse with herb Robert and yellow enchanters nightshade dominating. | | | | | | |
| FOD6-5(tile 39) Fresh-Moist Sugar Maple-Hardwood Deciduous Forest | This community is found to the West of McFarlane rd., it is dominated by Sugar maple and red oak, with American beech and ash. The sub-canopy includes Ironwood, sugar maple, black cherry and blue beech, with a heavily vegetated understory of sugar maple saplings, red raspberry and buckthorn. Groundcover includes wild strawberry, goldenrod and fern species. | | | | | | |
| FOD6-5(tile 40) | Red oak and sugar maple dominate this community with Freeman's maple and | | | | | | |

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| ELC TYPE | Community Description | | | | | | |
|---|--|--|--|--|--|--|--|
| Fresh-Moist Sugar Maple-Hardwood Deciduous | ash also in high proportions. The understory is dominated by American beech, white elm and ironwood, with a ground layer of zigzag goldenrod, wild strawberry and goldenrod spp. Some evidence of maintenance and possibly logging is evident, as well as a large amount of waste throughout the woodlot. | | | | | | |
| FOD6-5(tile 41) Fresh-Moist Sugar Maple-Hardwood Deciduous Forest with SWD2-2 complex | Sugar maple and American beech dominate the canopy of this community, found to the South of Michigan line, along with equal proportions of red oak and bur oak. The sub-canopy is dominated by young American beech, ironwood and black cherry with red raspberry, buckthorn and hawthorn in the understory. The ground layer is dominated by herb Robert, wild strawberry and sedges. This community is complexed with Green ash mineral swamp, which is found in low lying areas within the community with some standing water and is dominated by green ash with sedges and goldenrod in the ground layer. | | | | | | |
| FOD6-5(tile 41) Fresh-Moist Sugar Maple Hardwood Deciduous Forest | This small woodlot is found along the watercourse to the north of the large woodlot and is much more treed then the rest of the drainage area community. The canopy is dominated by red oak and white elm with sugar maple and shagbark hickory. The understory is quite thicketed with rose spp., hawthorn, honeysuckle and buckthorn. The ground layer is also quite different as compared to the rest of the drainage with higher proportions of aster spp., and goldenrod spp. than reed canary grass. There is also a log dam across the watercourse/drainage in this area. | | | | | | |
| FOD6-5(tile 41) Fresh-Moist Sugar Maple-Hardwood Deciduous Forest with SWD2-2 complex | This community is dominated by sugar maple, red oak, bur oak and ash sp. In the canopy; With many low wet areas dominated by green ash. The sub-canop was dominated by American Beech, Sugar maple and white elm with an understory of red raspberry, spicebush and blackberry. The ground layer was relatively sparse with zigzag goldenrod, sedges and wild strawberry dominatin Some evidence of disturbance was found within the forest community, includin many brush piles and old stumps. | | | | | | |
| FOD7-1 (tile 32) Fresh-Moist White Elm Lowland Deciduous Forest | This community was described from the roadside as property access was not available. It is dominated by white elm and ash with some bur oak and appears to be heavily managed with log piles and trails within. Many of the elm trees appear to be dead or dying and poison ivy vine is found throughout climbing into the canopy. The ground layer is dominated by poison ivy and aster species | | | | | | |
| FOD7-1(tile 37) Fresh-Moist White Elm Lowland Deciduous Forest with FOD7-2 inclusion | White elm and ash dominate the canopy in this small community which occurs in a narrow band to either side of the water course in the western side of the property. Due to its narrow size there is a very thick understory component which is dominated by red raspberry, buckthorn and blackberry. Ground cover is dominated by grasses, goldenrods and garlic mustard. | | | | | | |
| FOD7-1(tile 43) Fresh-Moist White Elm Lowland Deciduous Forest | This community was younger and more open than the adjacent community with white elm, trembling aspen and basswood dominating. The understory was sparse with sumac, grey dogwood and buckthorn and little to no identifiable ground layer. Some pooling water was also evident within the community. | | | | | | |
| FOD7-1(tile 44) Fresh-Moist White Elm Lowland Deciduous Forest | This community is dominated by American elm, white ash, black walnut and oak in the canopy. The sub-canopy was also well vegetated with white ash, white elm and ironwood. The understory is sparsely vegetated with a few sumac and hawthorn, and the ground layer was found to contain equal amou of goldenrod and aster with some smooth brome grass. | | | | | | |
| FOD7-2(tile 22) Fresh-Moist Ash Lowland Deciduous | This community is found adjacent to and east of Oil heritage rd. and south of Douglas line. The community is low lying and dominated by green ash and eastern cottonwood in the canopy. Sub-canopy species are predominantly | | | | | | |

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| Table 2 Ecological Land Classification (ELC) Vegetation Types | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|
| ELC TYPE Community Description | | | | | | | | | |
| Forest with FOD7-3 inclusion | green ash with ironwood and black walnut. The understory is relatively sparse cherry sp. Is the dominant vegetation. Ground cover is dominated by avens, wild red raspberry and running strawberry bush. An inclusion of willow lowland is found along the edges of the small creek which runs through this community. | | | | | | | | |
| FOD7-2(tile 25) Fresh-Moist Ash Lowland Deciduous Forest with SWD3-3 inclusion | This community was highly variable as it was a transition area between the sloped sugar maple community and a deep creek. The area was very flat and numerous pockets of standing water with deciduous swamp inclusions were found throughout. The primary community consisted of a green ash canopy with occasional white elm and very little understory; the ground cover is almost entirely dominated by young garlic mustard. | | | | | | | | |
| FOD7-2(tile 27) Fresh-Moist Ash Lowland Deciduous forest | This narrow community borders the drainage which flows in two separate areas to the south of the old rail line. It is dominated by ash, sugar maple and hawthorn, with garlic mustard and vine species in the ground cover. Due to the nature of the community it functions more as a hedgerow with drainage. | | | | | | | | |
| FOd7-2(tile 34) Fresh-Moist Ash Lowland Deciduous Forest | This forest community is heavily managed with marked trees, trails, stumps and log piles found throughout. As a result canopy composition may be artificial due to removal of other species. The canopy is dominated by ash species with shagbark hickory, sugar maple and red oak. The Understory is dominated by blue beech, sugar maple and white elm with some wild red raspberry. The ground layer is dominated by sedges, grasses and wild strawberry. | | | | | | | | |
| FOD7-2(tile 44) Fresh-Moist Ash Lowland Deciduous Forest | This early successional community is heavily vegetated by white ash saplings in the sub-canopy, with only rare Large toothed aspen in the canopy. The Ground layer is also sparse with garlic mustard and occasional strawberry plants. | | | | | | | | |
| FOD7-3(tile 22) Fresh-Moist Willow Lowland Deciduous Forest with CUM1-1 inclusion | This community is found along a slope between the field and drainage ditch to the west of Oil heritage rd. This community was surveyed using roadside elc as landowner permission was not obtained. Willow species dominate the canopy in this community with some ash also present. The sub-canopy is dominated by hawthorn and ash with apple and Manitoba maple. The understory is quite full with common buckthorn and tartarian honeysuckle dominating. Ground cover includes goldenrods and panicled aster. Near roadside an inclusion of cultural meadow is present. | | | | | | | | |
| FOD7-3(tile 31) Fresh-Moist Willow Lowland Deciduous Forest | This community is found along the floodplain of a creek running from the north- east to the south-west corner of the property, areas to the north-east have been heavily planted with coniferous trees, and the southern area is more naturalized and is described here. This community is dominated by very large willows with white elm and green ash associates. The understory is heavily thicketed with honeysuckle and buckthorn dominating. Ground cover was rich with goldenrod, herb Robert and sedges dominating. | | | | | | | | |
| FOD7-3(tile 44) Fresh-Moist Willow Lowland Deciduous Forest | Willow is the dominant canopy species in this community with green ash and American elm also in abundance. The Sub-canopy is dominated by green ash, sugar maple, American elm and riverbank grape. The understory is sparsely vegetated by sumac and hawthorn and the ground layer is dominated by garlic mustard, strawberry, goldenrod and riverbank grape. | | | | | | | | |
| FOD7-4 Fresh- Moist Black Walnut Lowland Deciduous with FOD9- 3 complex | This community is found on a steep slope leading into a lowland riverine area, which accounts for the high variability in species found throughout. Black walnut dominates especially close to edges and along a small drainage ditch within the community. Ground cover was predominantly wild strawberry with garlic mustard occurring in high proportions in the bur oak complex portions of the | | | | | | | | |

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| Table 2 Ecological Land Classification (ELC) Vegetation Types | | | | | | | |
|--|--|--|--|--|--|--|--|
| ELC TYPE | Community Description | | | | | | |
| | community. Red raspberry is found throughout the understory of the bur oak community with buckthorn the predominant species in the understory of the black walnut lowland. | | | | | | |
| FOD7-6*(tile 23) Fresh- Moist Ash- Basswood Lowland Deciduous Forest with SDW2-2 inclusion | This community had equal proportions of green ash and American basswood in the canopy with associate species including bitternut hickory and sugar maple in the sub canopy. The groundcover consisted of goldenrods, asters and sedge species. The inclusion has green ash and freeman maple in the canopy with blue beech and bur oak in the sub canopy. | | | | | | |
| FOD7-7* (tile 43) Fresh-Moist Bur Oak- Poplar Lowland | This community is dominated by American basswood and bur oak, with some eastern cottonwood and large toothed aspen. It is found growing to the north of the hydro line, north of ridge road and east of Jericho road. The understory consisted of buckthorn, black berry and sumac with a ground layer of goldenrod, wild carrot, strawberry and garlic mustard. | | | | | | |
| FOD7-8*(tile 44) Fresh-Moist American Basswood-White Ash- White Elm Deciduous Forest | This community is found on a steep slope surrounding a small stream. It is dominated equally by American basswood and white ash, with an understory consisting of American beech, white elm and white ash. The Ground layer is dominated by garlic mustard and mosses. | | | | | | |
| FOD8-1 (tile 28) Fresh-Moist Poplar Deciduous Forest | This young forest with a fairly open canopy is dominated by balsam poplar, trembling aspen and red maple. The understory included a number of shrub species with red raspberry and hawthorn dominating. The ground layer is dominated by grasses and goldenrods. Some very large Balsam poplars are found along the edge, this community was classified without entering the property as landowner permission was not available. | | | | | | |
| FOD9-1(tile 34) Fresh-Moist Oak- Sugar Maple Deciduous Forest | This community was described using roadside ELC as access was not available to the property. The canopy appeared to be dominated by road oak, bur oak and shagbark hickory with sugar maple and American beech found throughout the understory. Ground cover is sparse with some goldenrod species and red raspberry. Evidence of logging activity was observed with fresh stumps and log piles noted. | | | | | | |
| FOD9-1(tile 40) Fresh-Moist Oak- Sugar Maple Deciduous Forest with CUP3-8 inclusion | This community which is found to the south west of the drainage area is relatively disturbed with large piles of old foundation partially buried in a few areas, and evidence of logging activity. The inclusion of a small white spruce plantation is also indicative of a managed forest community. The canopy is dominated by Red oak, sugar maple and white elm with a sub-canopy dominated by ironwood and white elm with blue beech and bitternut hickory. The understory is sparse with some spice bush, red raspberry and glossy buckthorn. The ground layer is relatively sparse with zigzag goldenrod, aster and wild strawberry dominating. | | | | | | |
| FOD9-2(tile 1) Fresh-Moist Oak- Maple Deciduous Forest | This community, found at the north end of the study area, is dominated by red oak, shagbark hickory and freeman maple. The understory is dominated by ironwood, blue beech, hawthorn and young shagbark hickory with sedges and strawberry dominating the understory. Standing pools of water were prevalent within the community, however heavy rains had occurred with 24hrs previous to site visit. | | | | | | |
| FOD9-2(tile 34) Fresh-Moist Oak- Maple Deciduous | This community is found to the north of the drainage area which runs through the forested communities. It is dominated by red oak with shagbark hickory ar bitternut hickory associates. The understory is dominated by red raspberry, | | | | | | |

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| | nd Classification (ELC) Vegetation Types | | | | | | |
|--|--|--|--|--|--|--|--|
| ELC TYPE | Community Description | | | | | | |
| Forest | buckthorn and gray dogwood, with zigzag goldenrod, garlic mustard and other goldenrod species in the ground layer. Logging activity is occurring, evidenced by stumps and log piles as well as the sounds of active logging to the west of study site. | | | | | | |
| FOD9-2(tile 39) Fresh-Moist Oak- Maple Deciduous Forest with MAM2-2 inclusion | Bur oak dominates this community with Freeman's maple and sugar maple in the canopy. This community is heavily deer browsed and has many piles of woody debris and downed trees. The sub-canopy includes white elm and ironwood with young sugar maple, this community transition to a more mature sugar maple dominated community to the north. The understory is dominated by red raspberry, black cherry and buckthorn with a ground layer consisting of herb Robert, wild strawberry and sedges. | | | | | | |
| Cultural (CU) | • | | | | | | |
| Cultural Plantation (CU | JP) | | | | | | |
| CUP3-2(tile 8) White Pine Coniferous Plantation | This community was assessed from the property boundary as access was not available for the adjacent land. The canopy is found to contain white pine with some maple found along the edge and staghorn sumac along the community boundary. | | | | | | |
| CUP3-2(tile 22) White Pine Coniferous Plantation | This small plantation is found in a small pocket along the eastern edge of the center property, it is planted with white pine with the rare black walnut found on edges. The ground layer, which included a number of species, is dominated by garlic mustard, sedge spp. And goldenrod spp. | | | | | | |
| CUP3-3(tile 43) Scots Pine Coniferous Plantation | This small plantation of scots pine is found to the north and south of ridge road, both areas are quite small with some mature and some young trees. Other species found within the community include white ash and apple. The understory included some buckthorn and the ground layer was absent. | | | | | | |
| CUP3-8 (tile 8) White Spruce Coniferous Plantation | This small plantation found at the West end of the optioned property along the decommissioned rail line, comprised of mature white spruce with a heavy ground layer of garlic mustard. | | | | | | |
| Cultural Meadow (CUN | Л) | | | | | | |
| CUM1-1 Dry-Moist Old Field Cultural Meadow | This community is found in a number of areas within the study site in association with the MAM2-2 drainage areas, as well as a number of individually described communities as indicated below. Species composition is quite similar throughout with goldenrods, asters, wild carrot and teasel forming the majority of the community. | | | | | | |
| CUM1-1 (tile 8,43) Dry-Moist Old Field Cultural Meadow | This community is found along the decommissioned rail line and is dominated by various ground layer species including goldenrod, aster and dandelion. The understory and canopy are also present with white elm and maple in the canopy and red-osier dogwood and staghorn sumac in the understory. Communities along the rail line are relatively disturbed. | | | | | | |
| CUM1-1(tile 26) Dry-Moist Old Field Cultural Meadow with MAS2-3 inclusion | Goldenrods, grasses and asters dominate this community which is found along a drainage ditch running from west to east across the property. A small inclusion of rice-cut grass is also found within the drainage community. | | | | | | |
| CUM1-1(tile 36) Dry-Moist Old Field Cultural Meadow This community is found on the east side of Hillsboro rd. to the north of Michigan line. This small community is dominated by goldenrods and grass the ground layer with gray dogwood, eastern white cedar and white elm in canopy. It was described using roadside elc due to lack of property access | | | | | | | |

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| ELC TYPE | I Land Classification (ELC) Vegetation Types Community Description | | | | | | |
|---|---|--|--|--|--|--|--|
| | | | | | | | |
| CUM1-1(tile 39) Dry-Moist Old Field Cultural Meadow | This community runs along highway 402 at the back of a number of properties behind the woodlots, the canopy is very sparse and includes ash and trembling aspen. The understory is also sparse with some gray dogwood and red osier dogwood especially along edges. The ground layer is the dominant layer and includes species of goldenrods, grasses and asters with some wild strawberry near woodland edges. | | | | | | |
| CUM1-1(tile 44) Dry-Moist Old Field Cultural Meadow | This small community is found in a small opening adjacent to the agricultural field. It is dominated by goldenrod with asters. Some hawthorn is present in the understory with rare large-toothed aspen. | | | | | | |
| Cultural Thicket (CUT) | | | | | | | |
| CUT1-1(tile 34) Sumac Mineral Cultural Thicket with MAM2-2 inclusion and CUM1-1 complex | This highly disturbed cultural community is found in an isolated pocket in the center of an agricultural field. It is highly variable in composition with numerous complex and inclusion areas, as well as a number of very large old cut down trees and old farm machinery. Canopy species are relatively sparse with bur oak, ash and sugar maple. The understory is dominated by Sumac and gray dogwood with some red raspberry. Ground cover is variable with goldenrods, aster and grasses dominating with the exception of a reed canary grass meadow marsh inclusion which is being overtaken by phragmites. | | | | | | |
| CUT1-4(tile 9) Gray Dogwood Mineral Cultural Thicket | This community is found along either side of a decommissioned rail line running through the north east end of the study area. Gray dogwood formed the majorit of the understory with numerous cultural meadow species in the open grassy area running down the center, including grasses, goldenrod and common yarrow. | | | | | | |
| CUT1-4 (tile 9) Gray Dogwood Mineral Cultural Thicket with FOD7-2 inclusion | This community is found along either side of a drainage area along the north side of Cedar point line. The community is made up of a number of different areas with the majority found to be a cultural thicket with gray dogwood and staghorn sumac. An inclusion of green ash lowland is also present in the wider portions of the drainage area which is not active agriculture. | | | | | | |
| CUT1-4(tile 40) Gray Dogwood Mineral Cultural Thicket | This Thicket is almost entirely dominated by gray dogwood with the occasional ash and white elm in the canopy, and buckthorn near edges. Groundcover is predominantly goldenrods with some sedges and common burdock. | | | | | | |
| CUT1-4(tile 41) Gray Dogwood Mineral Cultural Thicket | This small community is found along two edges of a cultural meadow area with a large cement structure in the southwest corner of the communities. This thicket has high proportions of Norway spruce and white elm in the canopy. Gray dogwood, hawthorn and rose dominate in the understory. The Ground layer is dominated by wild strawberry, goldenrod spp. and aster spp. | | | | | | |
| CUT1-5(tile 27) Raspberry Mineral Cultural Thicket | Wild red raspberry dominates the understory in this community which is found along portions of the old railway line, with some honeysuckle also found throughout. The ground layer is dominated by garlic mustard, goldenrods and t a lesser extent common motherwort. | | | | | | |
| CUT1-7* (tile 25) Hawthorn-Buckthorn Mineral Cultural Thicket | Hawthorn and buckthorn dominate this community which forms a very wide hedgerow type community along the more southern edges of the wooded are at the south end of the property. This community is very dense shrubs with very little ground cover. Groundcover found within the thicket includes garlic musta and wild strawberry. | | | | | | |
| CUT1-8* (tile 31) | Honeysuckle dominates this community heavily which grows along either side | | | | | | |

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| ELC TYPE | Community Description | | | | | | | |
|---|---|--|--|--|--|--|--|--|
| Honeysuckle Mineral Cultural Thicket | of a deep drainage area. The canopy included the occasional willow, and ash tree, with the understory containing staghorn sumac and rose in association with the honeysuckle which dominates. The ground later is variable with many areas of exposed soil due to bank erosion, but included species such as goldenrod, reed canary and aster. | | | | | | | |
| CUT1-9*(tile 27) Hawthorn Mineral Cultural Thicket | This community is dominated by hawthorn in the canopy with ash and white elm occurring very rarely. The ground layer is dominated by grasses, goldenrod and sedges. This community included numerous linear ditches resembling furrows with some standing water, possibly an old field. | | | | | | | |
| CUT1-9* (tile 29) Hawthorn Mineral Cultural Thicket | This community was fairly open with Cultural meadow species found throughout the understory including goldenrod, grasses and aster species. The canopy included a few ash and white elm with some apple which may be indicative of an old orchard. The understory was the dominant layer with hawthorn, rose and red raspberry forming the majority of the community. | | | | | | | |
| CUT1-9*(tile 44) Hawthorn Mineral Cultural Thicket | This culturally influenced community is dominated in the understory by hawthorn, with no canopy or sub canopy. The ground layer is dominated by goldenrods and asters. | | | | | | | |
| CUT1-10* (tile 37) Buckthorn Mineral Cultural Thicket with SWD2-2 inclusion | This community is bisected by a water course with very deep embankments; it is heavily disturbed with the exception of a small green ash swamp inclusion. The canopy is dominated by ash, sugar maple and Manitoba maple with buckthorn and hawthorn dominating the understory. Ground cover is variable in proportions with garlic mustard and goldenrods occurring in vegetated areas and many areas with only exposed soil. | | | | | | | |
| CUT 1-11* (tile 43) Prickly Ash Mineral Cultural thicket | This thicket community is found in two areas of the optioned property, one area is found in a dense row along the decommissioned rail line and a second much larger thicket community is found to the west of the forest communities within the property. Prickly ash dominates the understory with some sumac and gray dogwood. Black walnut and hawthorn are occasionally found within the canopy layer and ground cover consists of mainly grasses and forbs. | | | | | | | |
| Cultural Woodland (C | UW) | | | | | | | |
| CUW1-3* (tile 43) White Ash-American EIm Cultural Woodland Woodland Woodland CUW1-3* (tile 43) This community, assessed from the roadside, is dominated by young want and American elm. Some white and red cedar is also present in the car The understory consists of sumac and gray dogwood; species of aster goldenrod are prevalent in the ground layer as well as open areas with community. The proximity to the road and nearby residence indicates cultural influence. | | | | | | | | |
| Swamp | | | | | | | | |
| Deciduous Swamp (S | | | | | | | | |
| SWD2-2 (tile 25) Green Ash Mineral Deciduous Swamp | This community is dominated by green ash with trembling aspen, white elm and willows forming the rest of the canopy. The groundcover is predominantly sedges with some wood nettle in areas without standing water. | | | | | | | |
| SWD2-2 (tile 27) Green Ash Mineral Deciduous Swamp with FOD7-5 complex | Green ash dominates the canopy in this community with basswood and bur oak. The sub-canopy and understory is also dominated by green ash with a high proportion of basswood. Ground cover was dominated by asters, sedges and avens species. The complex found throughout the site is dominated by equal proportions of black maple and basswood with aven and violet species. | | | | | | | |
| SWD2-2(tile 36) | This community was described using roadside elc as access was not available | | | | | | | |
| | | | | | | | | |

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| Table 2 Ecological Land Classification (ELC) Vegetation Types | | | | | | | |
|---|--|--|--|--|--|--|--|
| ELC TYPE | Community Description | | | | | | |
| Green Ash Mineral Deciduous Swamp | to the property. The canopy is dominated by ash species with red oak, white elm and shagbark hickory; understory species included gray dogwood, buckthorn and honeysuckle. Ground cover observed include goldenrod and wild strawberry. Areas of standing water were observed which concluded a swamp community though further onsite investigation would be required to confirm. | | | | | | |
| SWD2-2(tile 41) Green Ash Mineral Deciduous Swamp | This community is dominated by equal proportions of green ash and Freeman's maple with some sugar maple and basswood also in the canopy. The sub- canopy was sparse with some American beech and Freeman's maple. The understory is also sparse with some red raspberry and rarely red-osier dogwood. The ground layer contained a number of sedge spp., zigzag goldenrod and other goldenrod spp. | | | | | | |
| SWD3-3 (tile 40) Swamp Maple Mineral Deciduous Swamp | This community is found in a low lying area to the south of the drainage channel and is made up of very mature trees. The canopy is dominated by freeman maple, and silver maple with some ash and red oak, the understory is very sparse with only the occasional black cherry and blue beech. The Ground layer is also very sparse with only some sedge spp. apparent at time of survey. | | | | | | |
| SWD3-4* (tile 9) Mixed-Maple Mineral Deciduous Swamp | This community is found bordering the edges of a small watercourse running through the community, as well as associated pooled water areas adjacent to the waterway. The canopy is dominated equally by both Freeman's and silver maple with occasional red maple. The understory is sparse with some winterberry and nannyberry, the ground layer contains occasional beaked sedge, aster and goldenrod species. | | | | | | |
| Thicket Swamp (SWT) | | | | | | | |
| SWT2-5(tile 8) Red-Osier Dogwood Mineral Thicket Swamp | This small thicket swamp was found adjacent to a drainage area along the east side of the white spruce plantation. The canopy includes a couple of standing trees with green ash and willow the majority, the understory consists entirely of red osier dogwood, with standing water throughout. | | | | | | |
| SWT2-9(tile 43) Gray Dogwood Mineral Thicket Swamp | This community is within the property to the east of Jericho road and north of ridge rd. It is dominated by the understory layer which consists of gray dogwood with occasional sumac. Some species are present in the canopy in low numbers including willow and ash. | | | | | | |
| Marsh (MA) | | | | | | | |
| Meadow Marsh (MAM) | | | | | | | |
| MAM2 (tile 27) Mineral Meadow Marsh | This community is found to the south of the old rail line in a small area that appears to have been used as pasture; as a consequence a full elc community description was not obtained. Due to the very wet nature of the field with some wet pooling it has been categorized as a meadow marsh which is dominated by unknown graminoid species with some wild carrot and goldenrod. | | | | | | |
| MAM2-2 Reed Canary Mineral Meadow Marsh | This community is found in numerous locations throughout the study area. It is associated with the majority of drainage ditches and small creeks unless otherwise indicated. Species composition is a high proportion of reed canary grass with aster, goldenrod and teasel in the ground cover. The understory is found to include gray dogwood, red osier dogwood and willow shrubs in varying proportions. | | | | | | |
| MAM2-2(tile 36) Reed Canary Mineral Meadow Marsh with | This community, which was described using roadside elc, is dominated by reed canary grass with one small inclusion of cattail shallow marsh to the north of Michigan line. Other species found in the ground layer include goldenrod, aster | | | | | | |

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Reference: Fall Botanical and ELC Cedar Point Wind Project

| Table 2 Ecological Land Classification (ELC) Vegetation Types | | | | | | | |
|--|--|--|--|--|--|--|--|
| ELC TYPE | Community Description | | | | | | |
| MAS2-1 inclusion | and common teasel with a few rare eastern white cedar and ash in the canopy. | | | | | | |
| MAM2-2(tile 43) Reed Canary Mineral Meadow Marsh | Reed canary grass dominates this community found to the north of ridge rd. areas of this community appear to be managed with planted jack pine and red cedar bordering ponds of open water. Other species in the ground layer include red top and aster species. | | | | | | |
| Shallow Marsh (MAS) | | | | | | | |
| MAS2-2(tile 28) Reed Canary Grass Shallow Mineral Marsh with MAS2-1 complex and MAS2- 10 and CUT1-4 inclusions | This community is associated with the drainage which runs along the West and southern edges of the property. The majority of this community is dominated by reed canary grass in the ground layer with occasional willow and white elm in the canopy. It is complexed with areas of cattail marsh especially along the southern drainage, as well, inclusions of phragmites dominated shallow marsh and gray dogwood cultural thickets are found in a number of areas. | | | | | | |
| MAS2-2(tile 40) Reed Canary Grass Shallow Mineral Marsh | This community runs along a drainage area from the west side of the tile across to the south east. It is dominated by the ground layer with reed canary grass, goldenrod and aster. The understory is dominated by red raspberry, with occasional red cedar, and a small sub-canopy including rose, buckthorn and apple. The canopy is very open with only the occasional white elm and balsam poplar. This community is very disturbed with crops growing within a meter of the edge. | | | | | | |
| MAS2-3(tile 43) Narrow-Leaved Sedge Mineral Meadow Marsh | This small sedge marsh surrounds an area of open aquatic within the same open area to the north of ridge rd. It is dominated by narrow-leaved sedge, with a small pocket of phragmites bordering the north east end of the open aquatic. Planted jack pine is also found scattered near the edges of the community. | | | | | | |
| MAS2-4 (tile 25) Broad-leaved Sedge Mineral Shallow Marsh | This community is found in an open area to the south west of the property just outside the boundary of the zone of investigation. It is dominated by sedges, with grasses and goldenrod forming a high proportion of the area. Edges of this community had large numbers of shrubs including gray dogwood and Indian hemp. Some small ash saplings were found within the community. | | | | | | |
| MAS2-8(tile 22) Rice-Cut Grass Mineral Shallow Marsh with CUM1-1 complex | This small community is found in a drainage area in the eastern side of the property south of Douglas line. It is dominated by rice-cut grass with some cattail and bulrush spp. the community is surrounded by cultural meadow on the slopes of drainage ditch. | | | | | | |

*ELC code not included in the First Approximation of ELC for Southern Ontario

Only one of the vegetation communities listed above is considered rare in the province. The fresh to moist sugar maple-black maple deciduous forest is ranked as S3 (vulnerable) in Ontario.

Vascular Plant Species

One hundred and two species of vascular plants were recorded from the subject lands during the inventories. Of that number, 75 species or 74% were native and 27 species or 26% were exotic. The majority of the native species grew in the undisturbed woodland and wetland communities (deciduous forests, deciduous swamps), while most of the introduced species grew in the cultural meadow,

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Reference: Fall Botanical and ELC Cedar Point Wind Project

hedgerows and drainage ditches, with some forming an understory component in woodlands.

All but three of the native species are ranked S5 (Secure in Ontario) with the remainder, American sycamore, black walnut and black maple, ranking S4 (apparently secure in Ontario).no species inventoried were found to be S1-S3.

Only one species observed had a CC of 9 or 10, Jack pine; however this species was observed in a wet meadow community and appears to be planted.

No nationally or provincially rare, threatened or endangered species were found.

Wildlife and Wildlife Habitat

Species observed incidentally during the survey period include; Downy Woodpecker, Blue Jay, Dark-eyed Junco, American Gold Finch, Northern Flicker, American Pipit, Red-tailed Hawk, Hairy Woodpecker, Canada Goose (large flocks), Mourning Dove, American Crow, American Kestrel, Tundra Swan(flock 40+), Black-capped Chickadee, Northern Cardinal, European Starling, House Sparrow, American Robin, Pileated Woodpecker, Eastern Cottontail and White-tailed Deer.

Wildlife habitat on site is plentiful and varied with numerous large tracts of woodland and wetland habitat. However, in some areas it is limited or fragmented due to the large tracts of agriculture and major roads within the study area. Natural areas included large tracts of wetland and woodland habitats. Cultural areas included one remnant white spruce plantation, one white pine plantation and many areas of cultural thicket and cultural meadow. Numerous slow moving streams and drainage areas were observed throughout the majority of the study area, with a number winding through woodlands in deep channels and numerous drainage ditches within agricultural areas.

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Cheryl-Anne Payette, B.Sc. (NREM) Terrestrial Ecologist Cherylanne.payette@stantec.com

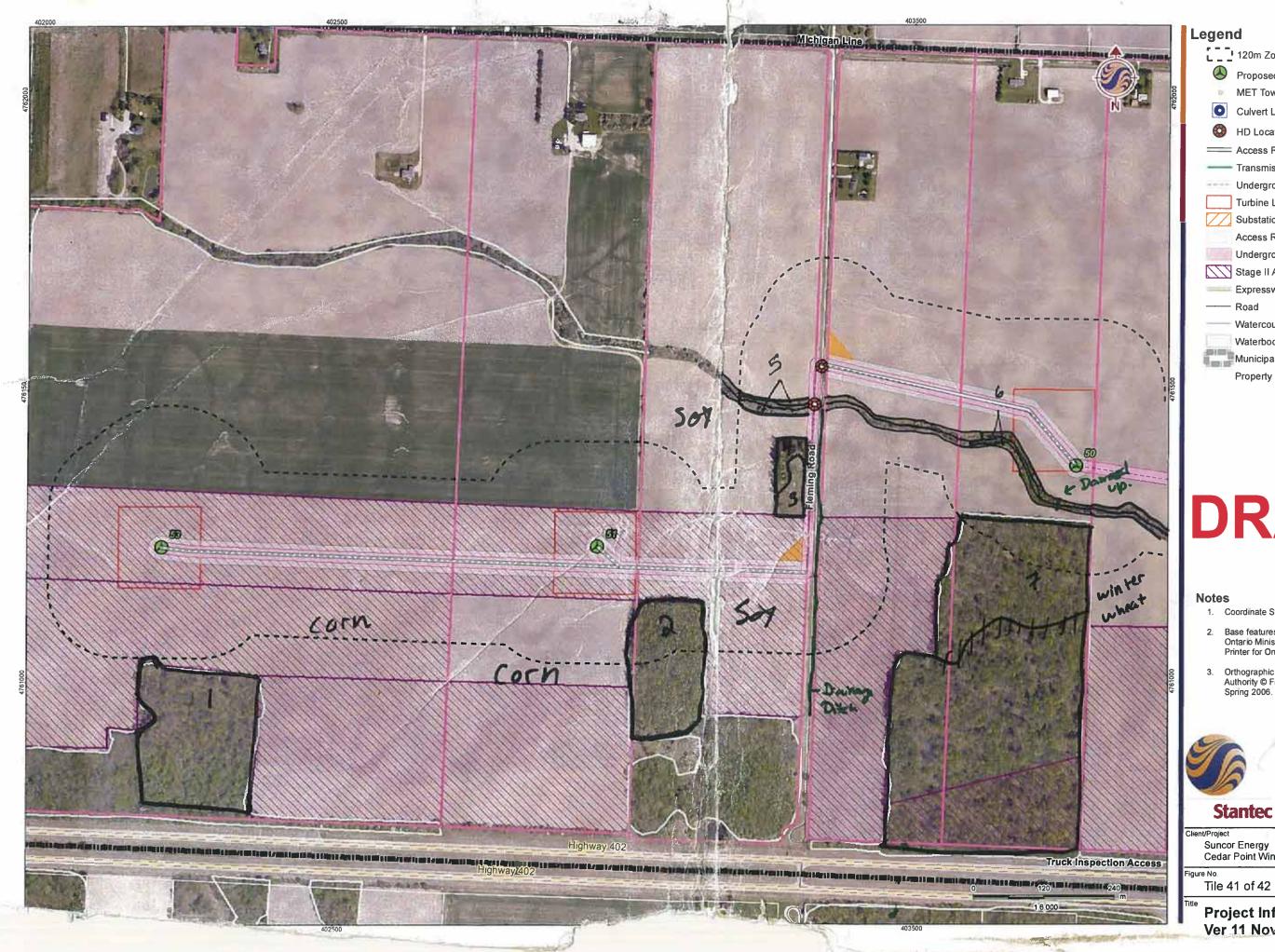
Attachments: Field Notes and Plant List

November 29, 2011 FILE Page 14 of 14

Reference: Fall Botanical and ELC Cedar Point Wind Project

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120m Zone of Investigation Proposed Turbine Location MET Tower Culvert Location HD Location Access Road - Transmission Line Underground Collector Line Turbine Laydown Area Substation Access Road ROW (40m) Underground Cable ROW (20m) Stage II Archaeological Survey Area Expressway / Highway Watercourse Waterbody Municipal Boundary Property Boundary

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- 1. Coordinate System: NAD 1983 UTM Zone 17N
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- Orthographic imagery provided by St. Clair Conservation Authority © First Base Solutions, 2011 Imagery taken in Spring 2006.

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Suncor Energy Cedar Point Wind Project

Project Infrastructure Ver 11 Nov 07



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- Proposed Turbine Location
- MET Tower
- ----- Access Road
- Transmission Line
- ---- Underground Collector Line
- Turbine Laydown Area
- Substation
- Expressway / Highway
- Road
- Watercourse ----- Constructed Drain
- Waterbody
- Municipal Boundary
- Property Boundary

Land Status

- **Optioned Properties (Suncor)**
- NextEra Properties

ELC Status

- ELC Need Codes
- ELC- Complete

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Notes

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- 1. Coordinate System: NAD 1983 UTM Zone 17N
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- Client/Project
- Suncor Energy Cedar Point Wind Project
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| Stantec | Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 160960709 | | | | Woodland & Wildlife Habitat Assessment Form | | | | | |
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Wiresource/Internal info and Teams/FIELD FORMSIVegetation/ELC/elc-wood/and-wild/fife-habitat-form.docx / (DERIVED FROM LEE ET AL., 1998)

| Stantec | | 1G 4P5 336-6050 | | | | | odland & It Assess | | |
|--|-----------|---|---|---|---|---|---|--|---|
| Project Number: | 160960 | 709 | | 4. | Pro | ject Name: | Cala Pa | nt | |
| 100 I 1279 I I I I I I I | Dec 16, | | | | Field | Personnel: | Colar Pai | 0, | |
| Weather Conditions: | ТЕМІ | P (°C): | WIND: 3-4 | | CLO 40-(| | PPT: None | | PPT (in last 24 hrs): light rain + Snaw |
| ELC Polygon: $\frac{\# - B}{B}$ Extent of Physical Inve | | | | | | | alk through fea dicate on map) | iture | |
| POTENTIAL HIBERN UTM | ACULA FF | [i.e. brid Co D- [i.e. CATURE(S) ID | features that w ge-abutments on tains potent Y* / 2-N / 2- kurst topograp ENTIFIED | vould prov or culverts tial bat hi -Unknow ohy, aband | ide a route u with cracks/ bernacula : n, no acces | nderground, fentry points. features? ss ("if yes, or caves] | exposed rock cre | concrete vices or e belov | or rock (e.g. foundations inactive animal burrows) v) |
| UIM | | Fea | ture Descript | tion | | Photo No | . Spp. C | bserve | d Using Feature |
| POTENTIAL BAT RO | | D-Y* / D-N / D (i.e. tall trees w EATURE(S) ID Tree Spp. | ith open sur ENTIFIED | no acces rounding | s ("If yes, c s, DBH >25 Decay Cl | Scm, side-fa | table below) acing cavities ~ No. of Cavities | | gh in tree) t and Type of Cavities |
| | | | | | 1 | | | | |
| Stick Nests: | | Coi | ntains large a | stick nest Unknow | ts? n, no acces | ss (*if yes, | describe in tabl | le belov | v) |
| STICK NEST(S) IDENT | | | | | | | | - Shellin | |
| UTM | | ree ID | Tree Spr |). | Nest Size | Photo No | . Spp. (| Observe | d Using Feature |
| Seeps/Springs/Vern SEEP / SPRING / VERN | Stok A.A. | Q-1 | ntains seeps /* / 2-N / 0- IDENTIFIEI | Unknow | vernal pool n, no acces | s? 35 (*if yes, (| describe in tabl | e belov | <i>v</i>) |
| UTM | Featu | re No. & Type | Feature Siz (Diameter) | 1 1/0 | ter Depth | Photo No. | Sub/Emerger Spp. Prese | | Shrubs/ Logs at Edge Present? |
| 特別などます。 | Server 1 | | | | | | | | |
| SPECIES & HABITAT | | | | UI UISET | | | <u>ab)</u> | | |

CA=careass: DP=distinctive parts: FE=feeding evidence: FY=eggs/nest; HO=house/den; OB=observed; SC=scat; SI=other sign; TK=track: VO=vocalization

| COMMUNITY ESCRIPTION & SURVEYOR(S): ESCRIPTION & START: ASSIFICATION & START: ASSIFICATION & START: ACUPACENDESCRIPTION SYSTEM SUBSTRATE TERRESTRIAL DORGANIC WETLAND TO PARENT MIN. AQUATIC DPARENT MIN. AQUATIC DPARENT MIN. BASIC BEDRK. SITE DASIC | S): END: FILE FEATURE DILACUSTRINE DILAC | DATE: HISTORY BINATURAL | Ż | UTME: UTMN: | COMMUNITY DATE: North DATE: | L-B-LL doil | |
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| | | ZÖ | Statute & to | | | THROAT | |
| | | III NATURAL III CULTURAL | PLANT FORM | COMMUNITY | LAYERS: 1=CANOPY>10m 2=SUB-CANOPY ABUNDANCE CODES: N=NONE R=RARE (| 3=UNDERSTOREY D=OCCASIONAL A=ABU | 4=GROUND (GRD.) LAYER NDANT D=DOMINANT |
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| SURFICIAL DEP. BEDROCK FAND DESCRIPTION: | D SAND DUNE | D OPEN D SHRUB | inerente Intereste Marine | D PRAIRIE 1 THICKET | Streem. Chief 0.4 | | |
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| × 3 | | Spicebush >7 blue beech | Deech | | | | |
| GRD. LAVER 5-7 | 3 Sider Sp | an the second | sher sp Zstanbern Fan was | Lat | | | |
| | THOUSING SECONDING AS ICANISCIN SEUDERING SED.24 | CVRS25% 3=25 <cvi< td=""><td>PLOCH 151 6=0.24H130 R560% 4=CVR>60%</td><td>.6m 7=HT<0.2m</td><td></td><td></td><td></td></cvi<> | PLOCH 151 6=0.24H130 R560% 4=CVR>60% | .6m 7=HT<0.2m | | | |
| TAND COMPOSITION: | | | | BA: | | | |
| ZE CLASS ANALYSIS: | A <10 | H 10-24 | D 26-50 | ×50 | | | |
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| ADFALL/LOGS: | A <10 | | 0 25-50 | ×50 | | | |
| UNDANCE CODES: | N=NONE R=RARE | RE 0=OCCASIONAL | • | | | | |
| DMM. AGE: PIONEER | KOUNG | MID-AGE | MATURE | OLD GROWTH | | No. of the second s | |
| DIL ANALYSIS: | | | | | | | |
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| DISTURE: DMOGENEOIIS / VABIARI E | DEPTH OF ORGANICS: | MICS: | | (cm) | | | |
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| COMPLEX | | | CODE: | や影響の記 | Signature: | Signature: | |
| idence of Disturbance / Notes: | 5- | in l | | | (Held Personnel) | | (Project Manager) |
| | | FULLER IN THE | manser | (40 Sto) | PICE | | |

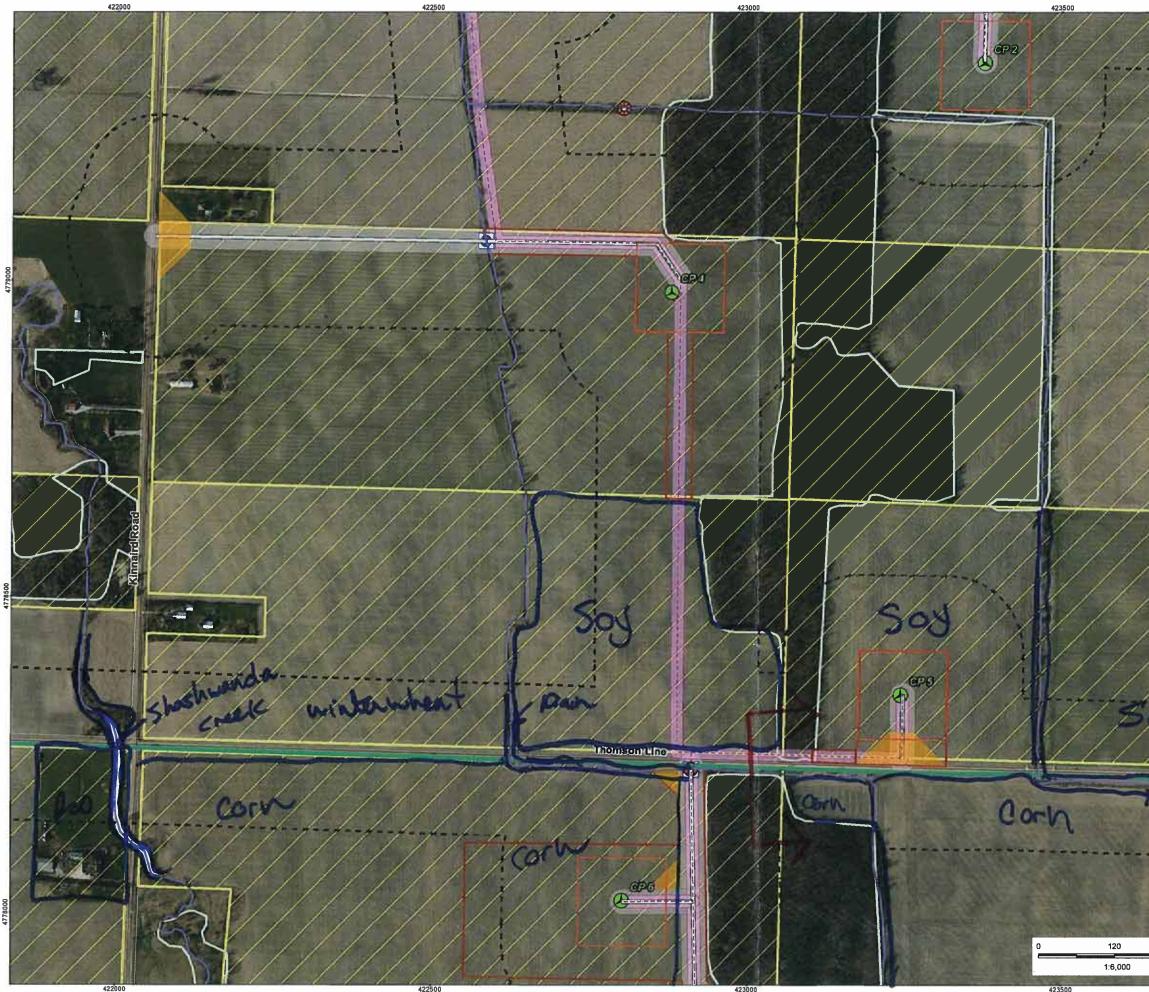
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May, 2012 160960709

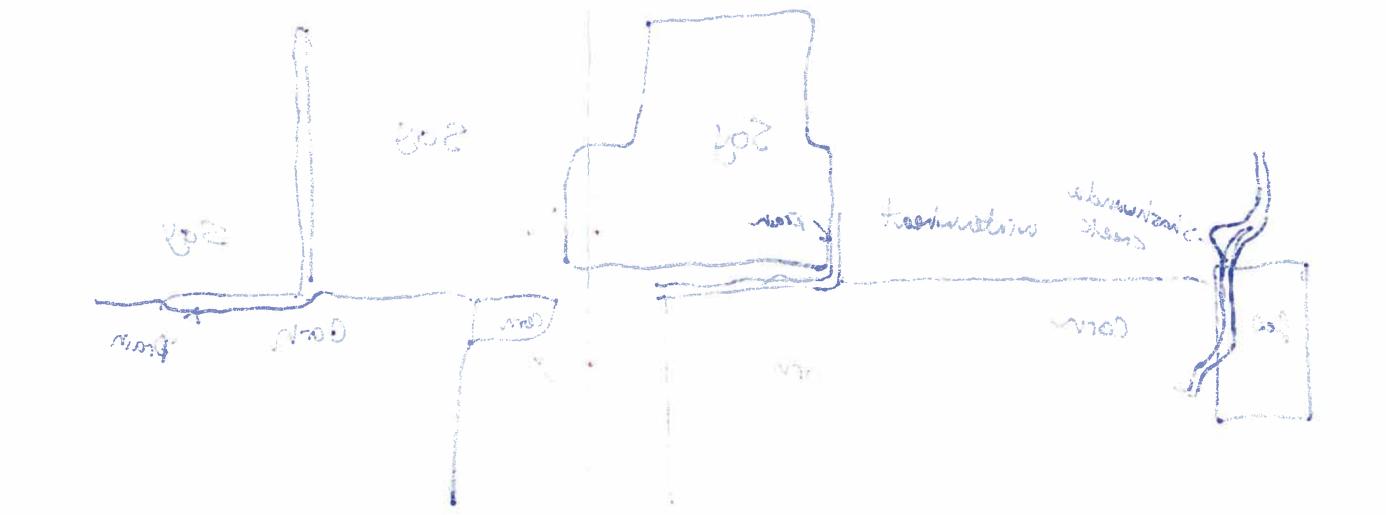
Client/Project Suncor Energy Cedar Point Wind Project

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Project Infrastructure Ver- 12 May 07

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| E | 1 – 70 Souti Guelph, ON Canada N1 Tel: (519) 8 | G 4P5 36-6050 | | | | | odland & t Assessr | | |
|---|---|---|--|--|---|---|--|---------------|--|
| Stantec | Fax: (519) 8 | 36-2493 | | | Broi | ect Name: | | | |
| Project Number: | | 60709 | | | 1111 | | C. Day | unt ! | WT |
| Date: | Juli | 2 9,2012 | | alara (aradar sina) Tara ara ara | Field F | ^o ersonnel: | C. Pay | He | |
| | TEMP | • (°C): | WIND | : | CLOL | JD: | PPT: | | PPT (in last 24 hrs): |
| Weather Conditions: | 30 | | 3-4 | | Sola | | None | | Nal |
| ELC Polygon: #2-\ Extent of Physical Inv | estigation o | f Feature: Q-E | intire / Q-f | Partial, wal | k through p | olygon <i>(in</i> | dicate on map) | lure | |
| Reptile / Bat Hiber | | U-Y (i.e. 1 bridg Con U-Y (i.e. 1 | * / 2 - N / 0 features that re-abutment tains pote * / 2 - N / 0 karst topogr | -Unknown t would prove s or culverts mial bat hil -Unknown raphy, aband | ide a route un with cracks/ bernacula f | as ("if yes, nderground, entry points eatures? as ("if yes, | describe in table including buried of | encrete of in | or rock (e.g. foundations, nactive animal burrows)] |
| POTENTIAL HIBERN | IACULA FE | EATURE(S) IDE | ure Descri | intion | | Photo No | Spp. C | bserved | Using Feature |
| UTM | 1 6 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | - Car | die Deber | | Sevie No. | | | | 7 H.L. 1983 |
| POTENTIAL BAT RO UTM | | EATURE(S) IDI Tree Spp. | DBH | Photo No. | Decay Cl | | facing cavities ~ | | and Type of Cavities |
| Stick Nests: | 1111 | Cor | ntains larg | e stick nes D-Unknow | ts? m, no acce | ss ("if yes | , describe in tab | le below | 1) |
| STICK NEST(S) IDEN | | | 化化学 | 为 1 公社 | | | | | d Using Feature |
| UTM | | free ID | Tree S | Spp. | Nest Size | Photo N | 0. <u>Spp.</u> | Unserve | u Using reature |
| Seeps/Springs/Ver | 25至 <u>1</u> 17 | CI-1 | /*/ D-N / | -Unknow | ivernal poo m, no acce | ls? ss (*if yes | , describe in tab | le belov | 1) |
| SEEP / SPRING / VER | INAL POOL | L FEATURE(S) | IDENTIF | | | 8 (A) 3 (S) | Sub/Emerge | nt Veg. | Shrubs/ Logs at Edge |
| UTM | | ure No. & Type | Diamet | ler) | ater Depth | Photo N | o. Spp. Pres | ent? | Present? |
| GPSnotworking | r A | -VP | SM | r | 1/2 | 13 | No | | yes-abundant |
| SPECIES & HABITA | COBSERV/ | ATIONS (list spe | cies and ty | ype of obser | rvation & in | ndicate on | map) | | |
| | | | | | | | | | |

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|--------------------|-------------------------------------|
| | 120m ZIO |
| | 12011/210 |
| \mathbf{A} | Proposed Turbine Location |
| 0 | MET Tower |
| 0 | Culvert Location |
| | HD Location |
| | Access Road |
| | Transmission Line |
| $(1,\infty,0,0,0)$ | Underground Collector Line |
| | Turbine Blade Tip |
| | Turbine Laydown Area |
| | Access Road ROW (40m) |
| | Underground Cable ROW (20m) |
| | Transmission Line ROW |
| \overline{Z} | Substation |
| \square | Stage II Archaeological Survey Area |
| R | Expressway / Highway |
| | Road |
| | Watercourse |
| | Waterbody |
| 1 | Municipal Boundary |
| 1121 | Optioned Property |
| | Property Boundary |

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Notes

- 1. Coordinate System: NAD 1983 UTM Zone 17N
- Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011
- Orthographic imagery provided by St. Clair Conservation Authority © First Base Solutions, 2011. Imagery taken in Spring 2006.



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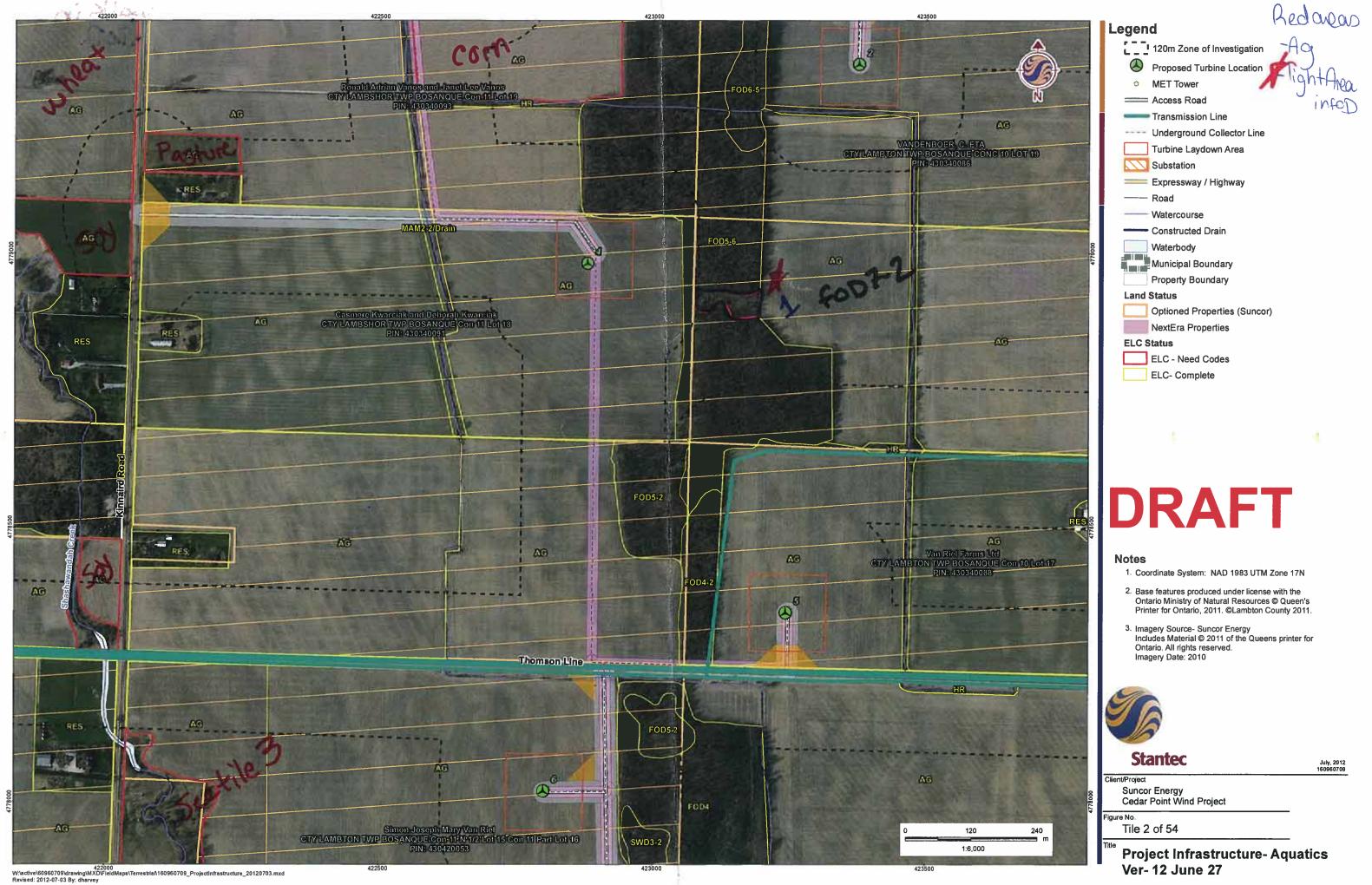
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Figure No

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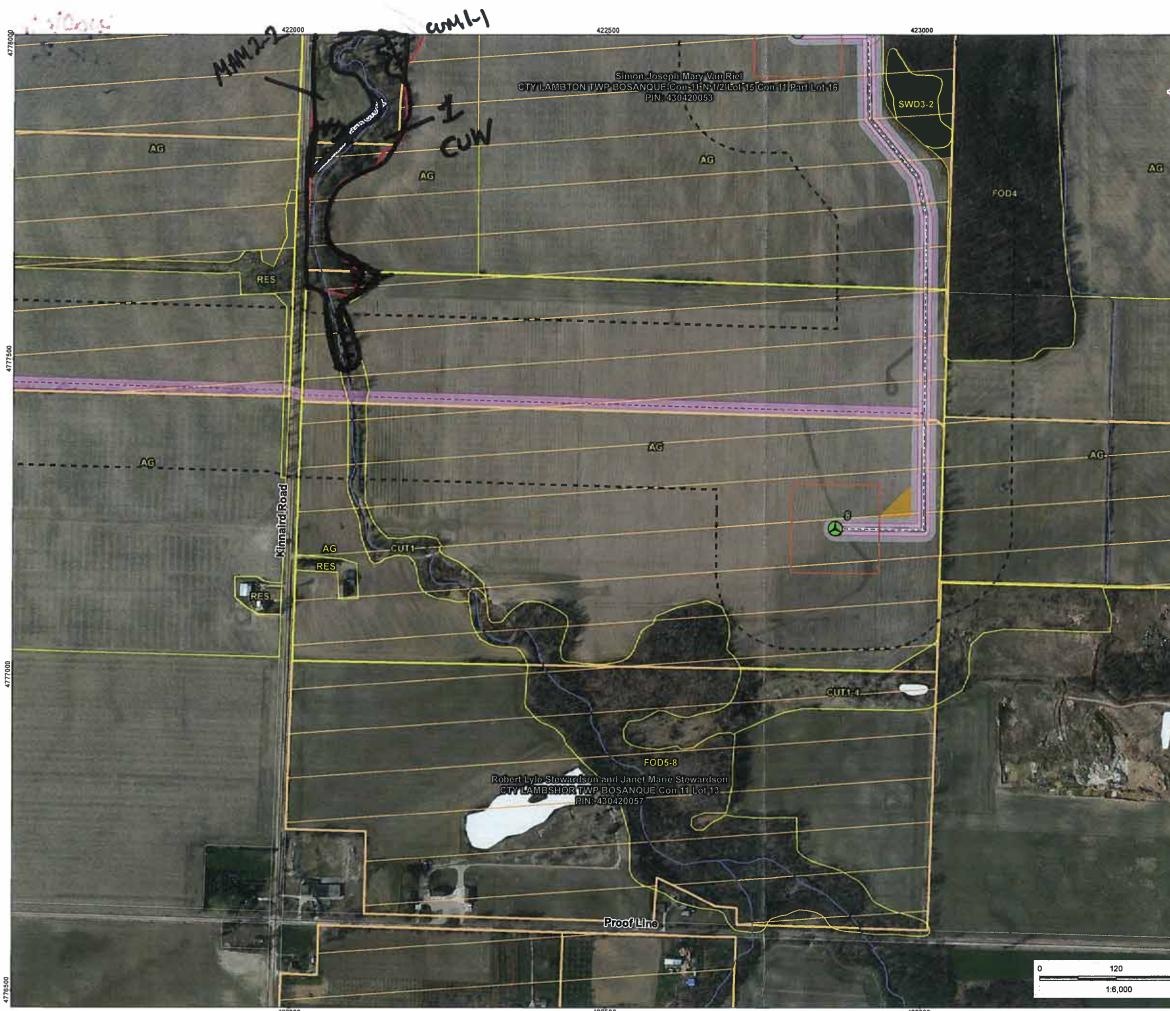
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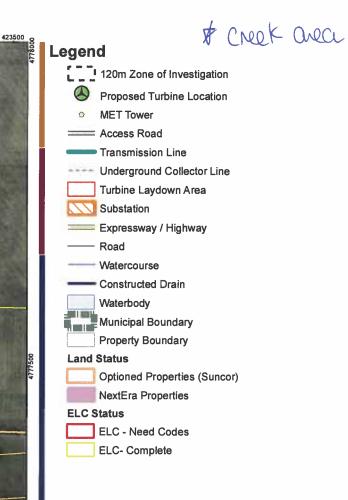
| Stantec | | 1G 4P5 336-6050 | | | 3 | | dland & Wild Assessment | |
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| Date | July | 10,201 | / | | LIDIO I | | C.Paytte | |
| | TEM | P (°C): | WIND: | | CLOU | D: | PPT: | PPT (in last 24 hrs): |
| Veather Conditions: | 29 | | 3-4 | | 6% | | have | nore |
| ELC Polygon: #3_1 | and the second se | | | | | | k through feature | |
| Extent of Physical Inv | esugation | Al Logicile: C. | | - and | ptime | property | 4 | |
| Reptile / Bat Hiber | | i.a bri Ca i. (i.a | te features that dge abutments intains poten Y° / D-N / E karst topogra | -Unknown would prov or culverts tigl bat hill -Unknown | n, no acces ide a route ur with cracks/d cornacula fo n, no acces | s ("If yes, de derground. in nury points. e satures? s ("If yes, de | eluding buried concrete | or rock (e.g. foundations, inactive animal burrows)] |
| POTENTIAL HIBER | NACULA F | EATURE(S) II | ENTIFIED | | | THE A DIA | San Oberna | d Using Feature |
| UTM | | Fe | ature Descrip | tion | | Photo No. | Spp. Observer | a Using reature |
| POTENTIAL BAT RO | OOSTING F | EATURE(S) I | DENTIFIED | hoto No. | | | io. of Cavities Heigh | t and Type of Cavities |
| | | Tree Son. | DBH | | Decay Cu | | | It allie 1 y be of Cavitaes |
| UTM | Tree ID | Tree Spp. Silver Freun | M75 | 4 | | | 3-4 broke | n limber open |
| UTM 422179 4777987 | Tree ID | Silver Freend | m 75 | H | 2 | | 3-4 broke | n limber open |
| UTM 422179 4777987 | Tree ID | Silver Freine hrough | M 75 | 5 stick nes 2-Unknow | 2 | | 3-4 broke | n limbo, open 20ft fruk link |
| UTM 422179 4777987 Stick Nests: | Tree ID | Silvertrew hour | M 75 U ontains large -Y* / 12-N / C | 2-Unknow | ts? m, no acces | ss (*if yes, a | 3-9 Droke 10- | n lindo, opan doft fruke (11/14 w) |
| UTM 422179 4777987 Stick Nests: | Tree ID | Silver Freine hrough | M 75 | 2-Unknow | 2 | | 3-9 Droke 10- | n limbo, open 20Ft fruklight |
| UTM 422179 4777967 Stick Nests: STICK NEST(S) IDE | Tree ID | Silvertrew hour | M 75 U ontains large -Y* / 12-N / C | 2-Unknow | ts? m, no acces | ss (*if yes, a | 3-9 Droke 10- | n lindo, opan doft fruke (light w) |
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CA=carcass: DP=distinctive parts: FE=feeding evidence: FY=eggs/nest; HO=house/den; OB=observed; SC=scat: SI=other sign; TK=track: VO=vocalization

| | SUB-CANOPY 3-UNDERSTOREY 4-GROUN R-RARE 0-OCCASIONAL A-ABUNDANT ER | | Leone Minud | Keed On Outside | The second second | Queen bull 1 | | | | | | | | | | | | | | | | | | | | Quelity Control: This form is complete D & legible D. Signature: | |
|--|--|------------------------------|-------------------------------|-----------------|-------------------------------------|---|-------------------|---|-------------------------|-----------------------|-------|---|------------------|-----------------|-----|---|--------------------------------|-----|----------------------------------|------|-------------|-----------------------|--------------------|----------------------------------|---------|---|--|
| Diaz: Unal: Consumery POLYBON: Unaz: Unal: Consumery DATE: CLASSEPICATION SURVEYOR(S): | COMMUNTY LAYERS: 1=CANOPY>10m ABUNDANCE CODES: N=N DUKE SPECIES CANE | | SWIMP SWIMP | SCIDUOUS DEGO | D MEADOW | Bavanuti Bavanuti Bavaou and | D'LWITATION | EASING DOMINANCE | THAN; = ABOUT EQUAL TO) | THE ALBORING TO THE A | 1. 1 | An march 20 we want lace | | | | | APARALIANT TURE DO CARAMINU | 161 | | (em) | | | Red rase a Ora and | CULL / A HAVING | Poor of | | in non-opticuol pickarty (Field Personnel) |
| TY SURVEYON(S); Port DATE: STUD | HISTORY | D PARENT MIN. D VALLEY SLOPE | C TABLELAND C DROLL UPLAND | | VATER D CARB. BEDRK. D ALVAR D OPEN | VALEH SSURFICIAL DEP. DERACH / BAR DEDROCK DEDROCK DELUFF | TAND DESCRIPTION: | LAYER HT CVR SPECIES IN ONDER OF DECREASING DOMINANCE | 23 | 1 | C 4-1 | T CODES: 11-25m 2=10-41195m 2-2411510m 4=142-40 00-40 00-40 00 00 00 00 00 00 00 00 00 00 00 00 0 | AND COMPOSITION: | CLASS ANALYSIS: | <10 | A <10 A 10 - 24 Nanone Rerate Onoccasion | PIONEER POUND M | | NSTURE: DEPTH OF ANOTTLES/GLEY B | | SIFICATION: | MMUNITY SERIES: CODE: | | ASh-maple cuthild inadiant cont. | | COMPLEX Complex Clance of Districtance (Nactors | BARS(3) Durve in |



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Notes

- 1. Coordinate System: NAD 1983 UTM Zone 17N
- 2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011. ©Lambton County 2011.
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igure No. Tile 3 of 54

Project Infrastructure- Aquatics Ver- 12 June 27

July, 2012 160960709

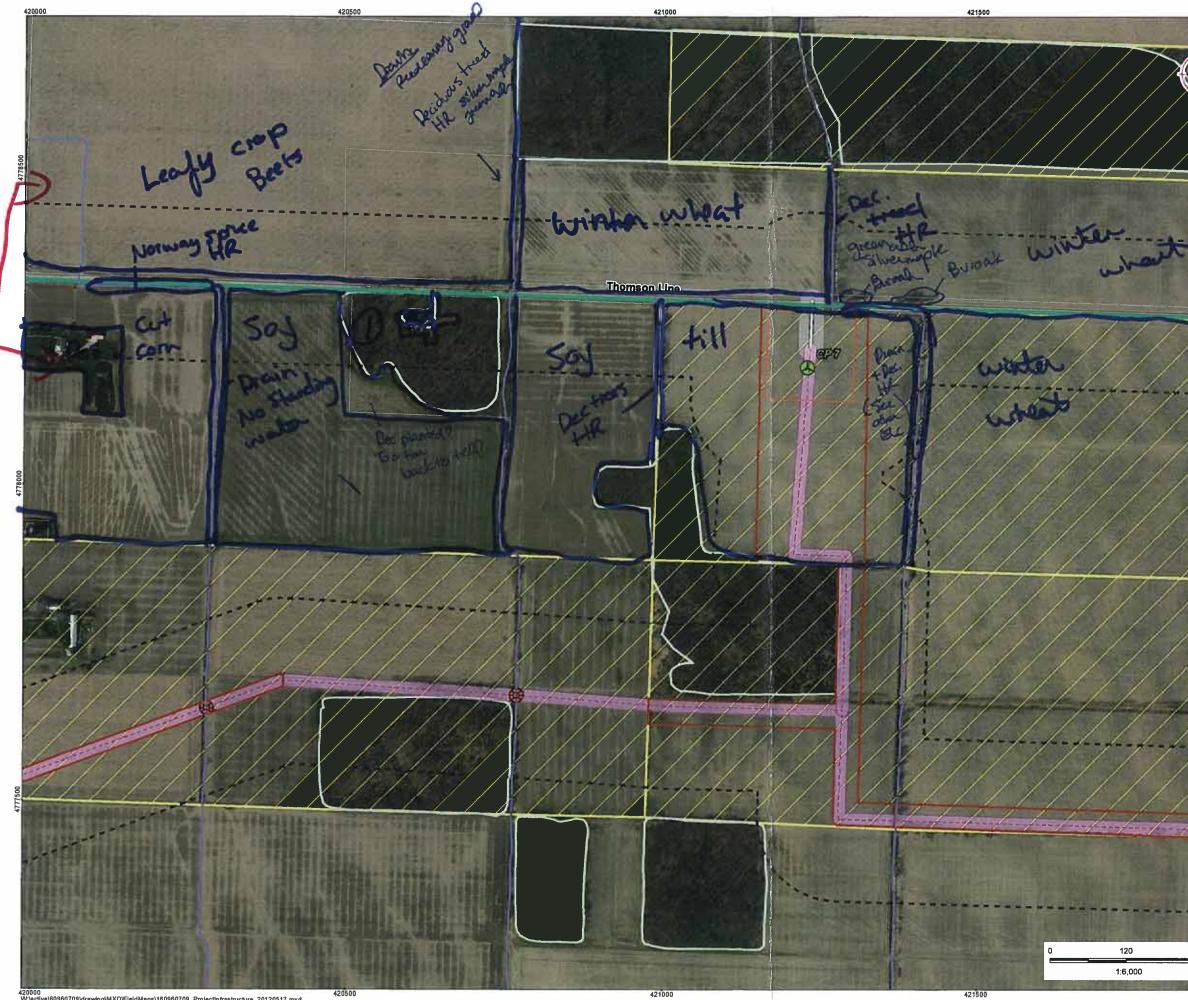
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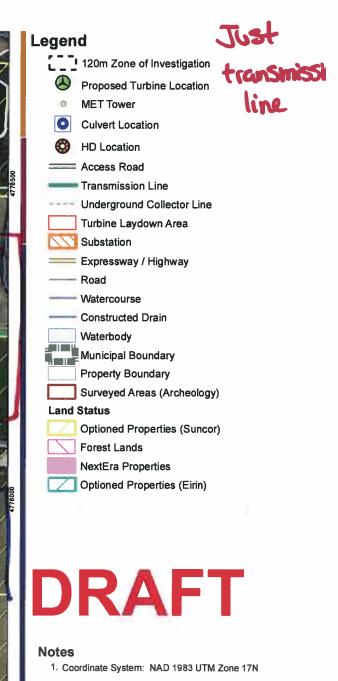


| Reptile / Bat Hib | ernacula Fo | [i.e. [i.e. brid Cor □-\ | features the ge abutmen ntains pote f* / □-N / | at would prov its or culverts ential bat hi | n, no acces ide a route un with cracks/ bernacula f n, no acces | ss (*if yes, ndergroand entry point eatures? ss (*if yes, | describe in table | concrete vices or i | or rock (e.g. foundations, mactive animal burrows) |
|--|-------------|--------------------------------------|---|---|---|---|--|------------------------|---|
| POTENTIAL HIBE | RNACULA F | EATURE(S) IDI | ENTIFIED |) | | | | | |
| UTM | | Fea | ture Descr | ription | | Photo N | o. Spp. O | bserve | 1 Using Feature |
| | | | | | | | | | |
| Bat Roosting Fe | | | I-Unknow | n, no acces surrounding | s (*if yes, a | <i>lescribe ir</i> 5cm, side- | n <i>table below)</i> facing cavities ~ | 10m hiệ | gh in tree] |
| POTENTIAL BAT | Tree ID | Tree Spp. | ENTIFIEI DBH | D Photo No. | Decay Cl | ass (1-5) | No. of Cavities | Heigh | t and Type of Cavities |
| C I M | | Песорр | | Thoto I to. | Decay Ch | ass (1-5) | into. or cavines | incign | t and Type of Cavilles |
| | | | | | | | | | B. (111) 111 (11) (11) |
| STICK NEST(S) ID UTM Seeps/Springs/V | ernal Pools | Tree ID s: Cor | Tree : ntains see Y* / D-N / | Spp. eps/springs/ D-Unknow | Nest Size | Photo N | , describe in tabl | Dbserve | d Using Feature |
| SEEP / SPRING / V | | | IDENTIF. Feature | 1 | _ | | Sub/Emerger | nt Von | Shrubs/ Logs at Edg |
| UTM | Feat | ture No. & Type | (Diame | VV 9 | ter Depth | Photo N | o. Sub/Emerger | 0 | Present? |
| | | | | | | | | _ | |
| | | | | | | | | | |
| SPECIES & HABIT | AT OBSERV | ATIONS (list spe | ecies and t | ype of obser | vation & in | dicate on | map) | | |

| Evidence of Disturbance / Notes: | VEGETATION TYPE: | STAND DESCRIPTION: LAYER 1 CANOPY 2 SUB-CANOPY 3 UNDERSTOREY 4 GRD. LAYER | ELC COMMUNITY DESCRIPTION & CLASSIFICATION | Stanter Project Number Date: Weather Conditions: |
|--|---|--|--|---|
| Irbance / Notes: | 1⇒25m d=NONE PIONEER | HT CVR | POLYGON: 4 - 1 START TIME: END TIME: | Gueph, ON Canada NIG 4P5 Tel (619) 836-8050 Fax (519) 836-2493 Hong 60 709 Hong 31, 201 TEMP (°C): |
| photos 40-42 | ALANCE | species in order of decreasing dominance (>>MUCH GREATER THAN; >GREATER THAN; = ABOUT EQUAL TO) Stephcult McKong 7 greencols 7 Silvermeyde | | |
| to y a rais | 224TISTOM 4=14HT32M 5=0.54HT3TM 6=0.24H 2=10-CVR325% 3=25-CVR360% 4=CVR360% 10 0 10-24 25-50 RERARE 0=OCCASIONAL A=ABUNDANT RERARE 0=OCCASIONAL A=ABUNDANT MID-AGE MATURE MID-AGE MATURE CODE: | HES IN ORDER OF DECI | POLYGON DESCRIPTION TOPOGRAPHIC FEATURE DACUSTRINE DRIVE | Woodland Asses Project Name: Field Personnel: CLOUD: 006 |
| us, plantation | S-HTSIM G=0.2-HTS0.5r 60% 4=CVR>60% NO=1 A=ABUNDANT NO=1 A=ABUNDANT NO=1 A=ABUNDANT NO=1 A=ABUNDANT NO=1 A=ABUNDANT NO=1 A=ABUNDANT NO=1 A=ABUNDANT NO=1 A=ABUNDANT NO=1 | of DECREASING DOMIN GREATER THAN; = ABOU | | Woodland & Wildlife Habitat Assessment Form Project Name: Calout How In Project Name: Id Personnel: C. Drugtte Id Personnel: Drugtte Id Dengtte Nove |
| ton | TS0.5m 7=HT-0.2m N/O=not observed N/O=Not observed N/O=Not observed N/O=DLD GROWTH 7-4 7-4 | Shrenmance | BINATURAL 7 D CULTURAL | Habitat rm - INF PPT (in last 24 hrs): |
| Signature: | GROUND: | pickthom | SHRUBS: | TREES: Grean and Shaalaa K K Shaalaa K K Shaalaa K K |
| (Field Personnel) | | | | LAVER DISTANCE FROM RD. REES: 1 2 3 4 SSm >5m Outon 0 1 1 1 1 1 1 1 Outon 0 1 1 1 1 1 1 1 1 Outon 0 1 1 1 1 1 1 1 1 Outon 0 1 1 1 1 1 1 1 1 |
| | | | | C 70 - |
| Quality Control: This form is complete | | 0 | | 2 3 4 4 |
| s form is complete 🗆 & leg | | | | DISTANCE FROM RD. |
| anager) | | | | >5 m |



420000 Whactive/60960709\drawing\MXD\FieldMaps\160960709_ProjectInfrastructure_20120517,mxd Revised: 2012-05-25 By: dharvey



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Stantec

Client/Project

Suncor Energy Cedar Point Wind Project

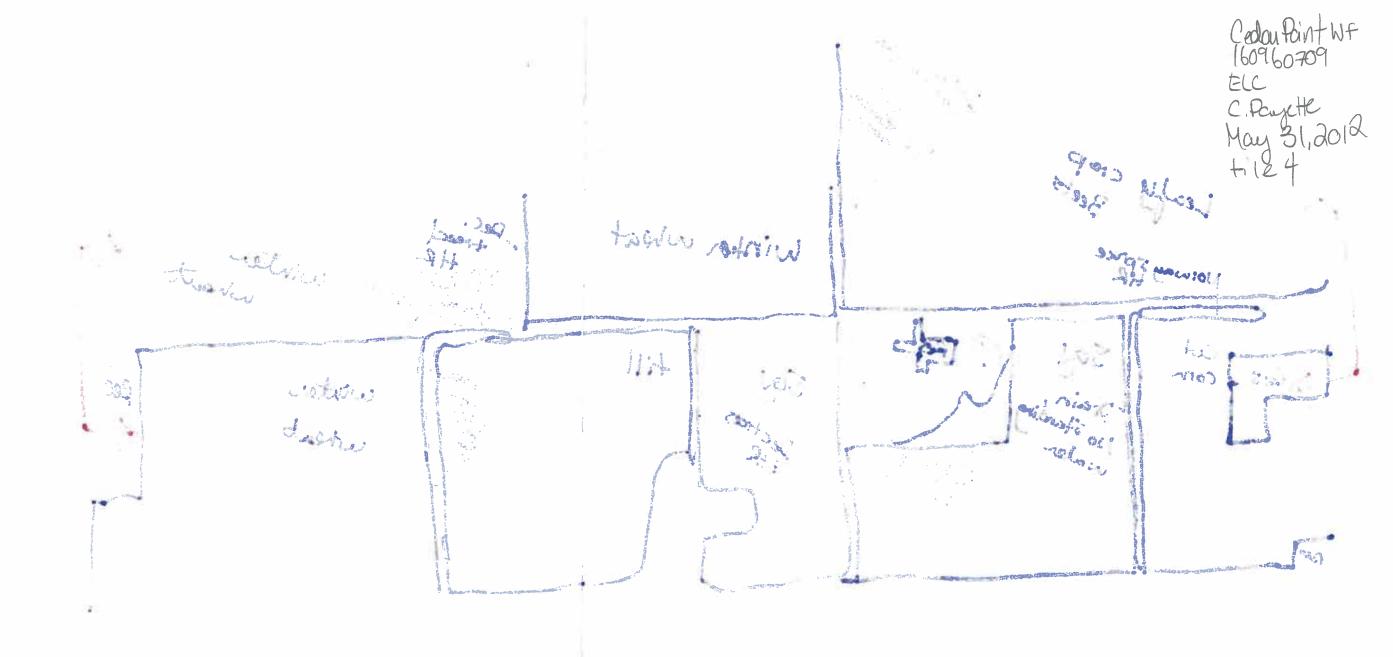
Figure No. Tile 4 of 54

Project Infrastructure Ver- 12 May 07

May 2012 160960709

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Just turnist vi



| | ELC SITE: TAL | | DIVISION: | ELC SITE: POLYGON: | |
|---|--------------------------------|--|---|---|-------------------------------------|
| | SURVEYOR(S): STARTing) | I.M. DATE: | 177 UTMN98 | COMMUNITY DESCRIPTION & CLASSIFICATION SURVEYOR(S): | |
| | CRIPTION | | | 2=SUB-CANOPY 3=UNDERSTOREY | ROUND (GRD.) LAYER NT D=DOMINANT |
| | SUBSTRATE | | PLANT FORM COMMUNITY | specific CODE | LAYER COLL. |
| | | D LACUSTRINE A NATURAL | D PLANKTON D LAKE | 1 2 3 4 CULL. | 2 3 4 |
| | | BOTTOMLAND D CULTURAL | D FLOATING-LVD. D RIVER | | |
| | | D VALLEY SLOPE | D FORB D MARSH | | |
| | | D CLIFF | | | |
| REDRIK ENVIRENCE ENVIRENCE BEROKAND DERRIK ENVIRENCE BEROKAND SPECIES IN ORDER OF DECREASING DOMINANCE ENVIRENCE Image: Envirence SPECIES IN ORDER OF DECREASING DOMINANCE ENVIRENCE Image: Envirence SPECIES IN ORDER OF DECREASING DOMINANCE ENVIRENCE Image: Envirence SPECIES IN ORDER OF DECREASING DOMINANCE ENVIRENCE Image: Envirence SPECIES IN ORDER OF DECREASING DOMINANCE ENVIRENCE Image: Envirence Image: Envirence ENVIRENCE Envirence Image: Envirence Image: Envirence Envirence Envirence Image: Envirence Image: Envirence Image: Envirence Image: Envirence Image: Envirence Image: Envirence Image: Envirence Image: Envirence Image: Envirence Image: Envirence <td>D BASIC BEDRK.</td> <td></td> <td></td> <td></td> <td></td> | D BASIC BEDRK. | | | | |
| Promotion Promotion Promotion | D CARB. BEDRK. | D ALVAR D ROCKLAND D BEACH / BAR 2 SAND CILINE | | | |
| IT CVR SPECIES IN ODDER OF DECREASING DOMINANCE IT CVR SPECIES IN ODDER OF DECREASING DOMINANCE IT CVR SPECIES IN ODDER OF DECREASING DOMINANCE IT T T CV IT T T CV IT T CV SPECIES IN ODDER OF DECREASING DOMINANCE IT T T CV SPECIES IN ODDER OF DECREASING DOMINANCE IT T T T CV SPECIES IN ODDER OF DECREASING DOMINANCE IT T T T T T T T IT | | | © FOREST C PLANTATION | A. L. | |
| If CWR secces in oncer of Decreasing Dominance If CWR sauch secret in Neuror EQUATIO If A A | STAND DESCRIPTION: | | | attack attack | |
| min min min min Nor min min | 5 | | | | |
| OP A | LATER II | - | | | |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | CANOPY | 100 | 04 | | |
| Once A mild Generiting A mild Generiti | SUB-CANOPY 3 | Calledolo Deun Sp | > tell Buttercup | | |
| Image: constraint and constraint a | GRD LAVER 1.7 | Wild Generium > Her | h Robt > Goilic Mustard | | |
| manone: Procreations Andrease Bar. JC Positroni: Andr.Ysis: Bar. JC Bar. JC ANALYSIS: Analysis: Bar. JC Bar. JC ANALYSIS: Analysis: Bar. JC Bar. JC Analysis: Analysis: Analysis: Analysis: Analysis: Bar. JC Bar. JC Bar. JC Analysis: Monone: Renare: Ouc Gar. Manue: Analysis Analysis: Monone: Renare: Ouc Gar. Manue: Analysis Analysis: Monone: Renare: Ouc Gar. Manue: Analysis Analysis Monone: Monone: Monone: Monone: Monone: Analysis Monone: Monone: Monone: Monone: Monone: Analysis Monone: Monone: Monone: Monone: Monone: Analysis Monone: Monone: | 1=>26m | CHTS25m 3=2 <hts10m 4="1<HTS2m</td"><td>5=0.5<ht≤1m 6="0.2<HT≤0.5m" 7="HT<0.2m<br">2VR≤60% 4=CVR>60%</ht≤1m></td><td></td><td></td></hts10m> | 5=0.5 <ht≤1m 6="0.2<HT≤0.5m" 7="HT<0.2m<br">2VR≤60% 4=CVR>60%</ht≤1m> | | |
| Mull S $E u 20$ $H S 1S$ $Mull S$ $Mull$ | 0=NONE | 640VHS10% 2=10-0012120 | | | |
| Image: Note: Image: Note: <th< td=""><td>Aulo</td><td>EW20 HS1</td><td>8</td><td></td><td></td></th<> | Aulo | EW20 HS1 | 8 | | |
| Image: Note: Image: Note:< | 11 | <10 4 | A 25-50 0 | | |
| $\begin{array}{ $ | STANDING SNAGS: | <10 0 | <i>X</i> 25−50 <i>R</i> | | |
| Image: Marche | DEADFALL/LOGS: | <10 R | 25-50 <i>R</i> | | |
| PIONEER YOUNG MID-AGE MID-AGE YSIS: Y YSIS: Y YSIS: DEPTH TO MOTLES/GLEY YSIS: DEPTH TO MOTLES/GLEY DUS / VARIABLE DEPTH TO BEDROCK: Y CLASSI SERIES: CODE: SERIES: CODE: MULUSION CODE: MULUSION CODE: MULUSION COMPLEX | ABUNDANCE CODES: | R=RARE | A=ABUNDANT | | |
| YSIS: YCI YCI <th< td=""><td>-</td><td></td><td>_</td><td></td><td></td></th<> | - | | _ | | |
| DEPTH TO MOTTLEs/GLEY $g=> J_{old} Olds $ $G=> J_{old} Olds $ DEPTH OF ORGANICS: $g=> J_{old} Olds $ $G=> J_{old} Olds $ DEPTH OF ORGANICS: $g=> J_{old} Olds $ $G=> J_{old} Olds $ TION: CODE: $P_{old} Olds $ TON: CODE: $P_{old} Olds $ CODE: $P_{old} Olds $ $P_{old} Olds $ CODE: $P_{old} Olds $ $P_{old} Olds $ Notes: Notes: $P_{old} Olds $ | SOIL ANALYSIS: | | | | |
| DEPTH OF ORGANICS: H (cm) DEPTH TO BEDROCK: H (cm) DEPTH TO BEDROCK: H (cm) TION: (cm) (cm) TION: CODE: H CODE: H (cm) Notes: Notes: (cm) | TEXTURE: | DEPTH TO MOTTLES/GLEY | >12,0 G=1/30 | | |
| DEPTH TO BEDROCK: A. (cm) TION: | MOISTURE: | DEPTH OF ORGANICS: | 4 | | |
| TION: CODE: FU field Parsonnel) Notes: | HOMOGENEOUS / VARIABLE | DEPTH TO BEDROCK: | 0 | | |
| code: F0 code: F00 code: F007 code | COMMUNITY CLASSIFICATION | | 24 | | |
| code: P007 code: P007 code: P007 code: P007 signature: AMM EX Code: bance / Notes: (Field Personnel) | COMMUNITY CLASS: | | | | |
| ION TYPE: CODE: HULL ION TYPE: CODE: HULL INCLUSION CODE: HULL | COMMUNITY SERIES: | | | | |
| COUE: F0.7-2 Page of CODE: Signature: Addd CODE: CODE: (Field Personnel) | ECOSITE: | | | | |
| code: Signature: A AMA code: (Field Personnel) | VEGETATION TYPE: | | Poi | | m is complete 🗆 & legible 🖵. |
| CODE: (Field Personnel) | INCERNION | 1 | CODE: | Signature: | |
| | COMPLEX | / | CODE: | 40 | (Project Manager) |
| | Evidence of Disturbance / Note | S: | | | |

mai Info and Teams/FIELD FORMS/Vegetation/ELC/elc-woodland-wildlife-habitat-form.docx / (DER/VED FROM LEE ET AL., 1998) W:'ve

| Stantec | 1 – 70 So Guelph, 0 Canada Tel: (519 | Consulting Ltd. buthgate Drive DN N1G 4P5) 836-6050 e) 836-2493 | | | | | labitat | odland & \ Assessn | nent | Form |
|---------------------|---|---|---|--|--|--|--|---|-------------------------|---|
| Project Number | . Tile | 1 | | | | Proje | ct Name: | Cedar Po | mt | |
| Date | | Iov. 7/11 | | | | Field P | ersonnel: _ | Cedar Po Scott-Ma | urtin | |
| | TE | MP (°C): | WIN | D: | | CLOU | D: | PPT: | | PPT (in last 24 hrs): |
| Weather Conditions: | | 14 | 1-2 | | | 60 | | ~ | | - |
| ELC Polygon: # 1 | | ssment Type: □ n of Feature: □ | | | | | | | ure | |
| Reptile / Bat Hibe | | [i bi C [i [i | I-Y* / DI-N / e. features the ridge abutment contains pot I-Y* / DI-N / .e. karst topo | at would nts or cul tential b / □-Unk graphy, a | nown provi verts at hib nown | de a route un with cracks/e pernacula fe | s (*if yes, o derground, ntry points, eatures? s (*if yes, o | describe in table including buried c | oncrete c ices or it | r rock (e.g. foundations, nactive animal burrows)] |
| POTENTIAL HIBER | NACULA | | | | | | Photo No | Snn () | hserved | Using Feature |
| UTM | | f | eature Desc | ription | | | FILOLO INO | spp. o | Dacived | Using Feature |
| Bat Roosting Fea | | FEATURE(S) | Unknow with open | vn, no a surroun | ccess dings | s (*if yes, di | cm, side-f | table below) acing cavities ~ No. of Cavities | | h in tree] |
| 01M | | / meeopp | | | | | | | | |
| Stick Nests: | | (| Contains lar ⊐-Y* / ⊠-N | rge stick / | nest | ts? n, no acces | s (*if yes, | describe in tabl | e below |) |
| STICK NEST(S) IDE | NTIFIED | | | | | | | | | |
| UTM | | Tree ID | Tree | e Spp. | | Nest Size | Photo N | o. Spp. (| Observe | d Using Feature |
| | | | | | _ | 1 | | 1 | | |
| Seeps/Springs/Ve | | l | □-Y*/図-N | / D-Unl | ings/ know | vernal pool n, no acces | s? ss (*if yes, | describe in tab | le below | 1) |
| SEEP / SPRING / VE | RNAL PC | OOL FEATURE | | | _ | | 1 | Sub/Emerge | nt Vog | Shrubs/ Logs at Edge |
| UTM | F | eature No. & Ty | pe Featur (Diam | and the second | Wa | ter Depth | Photo No | Sub/Emerge | | Present? |
| | | | | | 2 | | | 1 | | 1 |
| SPECIES & HABIT | AT OBSER | RVATIONS (list | species and | type of | obser | vation & in | dicate on 1 | nap) | _ | |
| | | | | | | | | | | |

| ELC | SITE: Tole |
|------------------|-------------------|
| LLO | POLYGON: |
| Plant Species | DATE: Nov 7/11 |
| List | SURVEYOR(S): SAM. |

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER ABUNDANCE CODES: R = RARE 0 = OCCASSIONAL A = ABUNDANT D = DOMINANT

| SPECIES CODE | 175 | LA | /ER | 2 | COLL. | | | LA | /ER | | co |
|--|-----|----|-----|---|-------|----------------------------------|----|----|-----|---|-----|
| | 1 | 2 | 3 | 4 | COLL. | SPECIES CODE | 1 | 2 | 3 | 4 | COI |
| Com. Buck. | | | | | | O Black | | | | | |
| OB | | | | | | P | | | | | |
| Com. Buck. OB Chube Cheny | | | | | | RESP - | | | | | |
| Calico Ast. | | | | | | RESP N. Laty From | | | | | |
| Serm Spi | | | | | | Prost Aster | | | | | |
| Graph | | | | | | Bhe Beech | | | | | |
| Grape En | | | | | | Sycamo Ve | | | | | |
| Ma | | | | | | Sprehrsh | | | | | |
| Aw | | | | | | Spicebush Wild Geranim | | | | | |
| M5 And Herb Rob 7 | - | | - | | | Sens. Form | | | | | |
| Virg. Strab. | | - | | | | Soft Rush | | | | | |
| Set F Den | - | | | | | FolseNettle | | | | | |
| CINA | - | - | | | | Clearward | | | | | |
| Garlebrush Battlebrush Garrie pust | - | - | - | | | Ma | | | | | |
| Garly Must | - | | | | | | | | | | |
| tan Buder | - | | - | | | C. Evist. BIK Bulrush | | | | | |
| S RIVA J (11) | | | | - | | ROD | | | | | |
| Shag bor R BD | - | | | | | | | | | - | |
| Nug por in | - | | - | | | Phrag - Tay Grod | | | - | | |
| Galse Sol. Soul | - | | | | | Jer elweet | | | | | |
| parse on stand | - | - | - | - | | BSMSha | | | | | |
| Prickly Gooseborn Brist, BIR Current | - | | | | | BIK Elder | - | - | | | |
| b clab | + | | - | | | Hacidae (Gond) | | | | | |
| Run. Stroub 2. aret. | + | | - | | | Carlon Plaver | | | | | |
| OR | - | | | | | - Zala | | | | | |
| OR | | | | | | Zig Zag Be Xinas Fin R: | | | | | |
| rgnman | - | | | | | K. | | | | | |
| Croy Dogn C. | | | | | | nas pr | - | | | | |
| stay than C. | | | | | | A | OR | | | | |

| C II | SITE: 11 | 2 | | | | POLYGON: | SON: (3 | | |
|--|------------------|---------------|--|-------------------|---|--------------------------------|--|--|--|
| COMMUNITY | SURVEYOR(S): SAM | 5:10 | th. | DATE: | DATE: NOU-7 | 111 | | UTME 42° | UTME: 904 |
| DESCRIPTION & CLASSIFICATION | START3Sh | | H 6/9/13 Y | | | UTMZ: | 177 | UTMN | UTMN:9761 |
| POLYGON DESCRIPTION | CRIPTION | | | | | | | | |
| SYSTEM | SUBSTRATE | ш | TOPOGRAPHIC | Ŧ | HISTORY | PLA | PLANT FORM | 8 | COMMUNITY |
| M TERRESTRIAL | D ORGANIC | | LACUSTRINE | A NATURAL | JRAL | DPLAN | VIKTON | DLAKE | ω |
| D WETLAND | MINERAL SOIL | | | D CULTURAL | URAL | | ATING-LVD. | D RIVER | 100 |
| D AQUATIC | D PARENT MIN. | | D VALLEY SLOPE | | | ROFIL | E FORB | MARSH | RSH MAP |
| | D ACIDIC BEDRK | | D ROLL UPLAND | | | D BRY | OPHYTE | | |
| 1410 | D BASIC BEDRK. | | | | COVER | NIX | IFEROUS | D BAR | REN |
| DOPEN WATER DOPEN WATER DI SHALLOW WATER BI SURFICIAL DEP. | CARB. BEDRK | | D ROCKLAND D ROCKLAND D BEACH / BAR D SAND DUNE D BLUFF | 10P | 290 | | | D THICKET D THICKET D SAVANN D WOODLJ | D PRAIRIE D THICKET D SAVANNAH D WOODLAND F FOREST |
| STAND DESCRIPTION: | IPTION: | | | | | | | | NOTIOIN |
| LAYER | HT | CVR | Not the set | ES IN C | RDER OF | DECRE | SPECIES IN ORDER OF DECREASING DOMINANCE | MINAN | CE EDILAL TO |
| L CANOBY | | Ħ | F | SLIGH | Man, Man | V-V-V | 1 96 1 V | 4 3 | |
| 5 | - | - ~ | Sugar Nople | 1221 | > white | +CASK>+ | > Shagbar KHickery | ar RH | ickery |
| 1 | REV 4 | 106 | 9 | 128- | Be | N 28 | >Black Elder | dar | / |
| 4 GRD. LAYER | | 3-4 | 1 219 209 Goldenn | denne | d >Run. | stra. | Isuddun | キノモ | Straubbush > Hevb Kubert |
| HT CODES: CVR CODES: | 1=>26m 0=NONE | 2=10- 1=0% | Te>25m 2=10cHTs26m 3=2cHTs10m 4=1cHTs2m 5=0.5cHTs1m 8=0.2cHTs0.6m 7=HT<0.2m 0=NONE 1=0%cCVRs10% 2=10cCVRs25% 3=25cCVRs6D% 4=CVR+6D% | 0m 4=1 CVRs25% | <pre><hts2m 5="</pre"></hts2m></pre> | 0.6 <hts1 3560% 4</hts1 | tm 6=0.2 <h =CVR>60%</h | T50.6m | 7=HT<0,2m |
| STAND COMPOSITION: | | Bues | MA25, | Anto | | | | BA: | 22 |
| SIZE CLASS ANALYSIS | ALYSIS: | | 0 <10 | A | 10-24 | * | 25 - 50 | 0 | >50 |
| STANDING SNAGS: | 3S: | | R <10 | A | 10-24 | 0 | 25-50 | 0 | >50 |
| DEADFALL/LOGS: | ia | | R <10 | A | 10-24 | 0 | 25 - 50 | 0 | >50 |
| ABUNDANCE CODES: | (S: | | N=NONE R=RARE | RE | O=OCCASIONAL | ONAL | A=ABUNDANT | DANT | |
| COMM. AGE: | PIONEER | | MOUNG | Ň | MID-AGE | M | MATURE | | OLD GROWTH |
| SOIL ANALYSIS: | s: | | | | | | | | |
| TEXTURE: | | | DEPTH TO MOTTLES/GLEY | LES/GI | EY | 1 <u>1</u> | | 8 | |
| MOISTURE: | | | DEPTH OF ORGANICS: | ANICS: | | _ | | | (cm) |
| HOMOGENEOUS / VARIABLE | I VARIABLE | | DEPTH TO BEDROCK: | :OCK: | | _ | | | (cm) |
| COMMUNITY CLASSIFICATION: | CLASSIFICAT | NOL | | | | | | | |
| COMMUNITY CLASS: | ASS: | | | | | CODE: | E FO | _ | |
| COMMUNITY SERIES: | RIES: | | | | | CODE: | FO | 0 | |
| ECOSITE: | | | | | | CODE: | E FO | 0.5 | |
| VEGETATION TYPE: | PE: | | | | | CODE: | HOI :: | 75-6 | 0 |
| ING | INCLUSION | | | | | CODE: | iii | | |
| Ŭ | COMPLEX | | | | | CODE: | - Mi | | |
| | | | | | | | | | |

(DERIVED FROM LEE ET AL., 1998) FIELD FOI

| DESCRIPTION & DATE: CLASSIFICATION SURVEYOR(S): 5/4 CLASSIFICATION SURVEYOR(S): 5/4 LAVERS: 1=CANOPY>10m 2=SUB-CANOPY ABUNDANCE CODES: N=NONE R=RARE SPECIES CODE 1 2 3 4 0 DATE: DATE: SPECIES CODE 1 2 3 4 0 DATE: SPECIES CODE 1 3 5 0 | R=RAR | 14 | | | | | | |
|--|-------------------|-------|--|---------|-------------------|---------|-------|------|
| VERS: 1=CANOPY=10m 2= SUNDANCE CODES: N=NONE SPECIES CODE 1 2 e55uver 0 h1de 45 h verger Traple | =SUB-CAN R=RAR | | And the second s | | NID 00 | | | |
| species code 1 2 essure 6 hite 45 h wyor Raple | 100 | OH OH | 0=0CCASIONAL A=BUNDANT D=DOMINANT | =GROI | | SRD.) L | AVEF | |
| A Anthe A | 1 | 1.00 | U | | LAN | LAYER | | 1100 |
| A But | 3 4 | CULL | arectes code | - | 2 | 3 | 4 | |
| ASK Map | | | | | | | | |
| KH12 KH12 | | | | | | | | |
| Sour KH | | | | | | | | |
| A Oak | | | | | | | | |
| A PART | | | | | | | | |
| enuova | | | | | | | | |
| we Breech | | | | | | | | |
| Suicebush | | | | | | | | |
| Buckelar | | | | | | | | |
| 2142ad 6 Yod | | | | | | | | |
| un. Shawb. | | | | | | | | |
| 10 | | | | | | | | |
| eeh | | | | | | | | |
| Gres Ferr | | | | | | | | |
| 3 | | | | | | | | |
| 1. Lady Fern | | | | | | | | |
| 4avinery | | | | | | | | |
| areparcheta | | | | | | | | |
| SHIEDNISh Gress | | | | _ | | | | |
| Stree Derry | | | | _ | | | | |
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| simature: / Xt of Mo | AN | 1 | Quality Control: This form is complete D & legible D Signature: | form is | comple | ste 🗆 8 | legib | Ľ, |
| (Ciald Bornonal) | Ilanan | | | | (Project Manager) | Manad | (Jec) | |

E ELC SITE: TIAL

COMPLEX Evidence of Disturbance / Notes:

| Stantec | | 1G 4P5 836-6050 | | | | ŀ | | dland & Assess | | |
|--|----------|---|---|---|---|---|--|---|----------------------------|---------------------------------------|
| Project Number | Tile | 1 -Ph | 12 | | | Proje | ect Name: | Cedert | 7. | |
| Date | | - () - I | | | | Field P | ersonnel: | 5.A.1 | ۸. | |
| Weather Conditions: | TEM | IP (°C): 14 | wini /~ | Dj | | CLOU GO | D: | PPT: | | PPT (in last 24 hrs): |
| ELC Polygon: # 2 Extent of Physical Inv | | sment Type: 🗅 of Feature: 🗅 | | | | | | | | |
| Reptile / Bat Hiber | | i. bri Ca i. | -Y* / I-N / e. features the idge abutmen ontains pot -Y* / I-N / e. karst topo | at would nts or cu cential b graphy, | knowr d provi ilverts bat hik knowr | ide a route un with cracks/e bernacula fe | s (*if yes, d iderground, i entry points, e eatures? s (*if yes, d | escribe in tab actuding buried | concrete o evices or in | nactive animal burrows)] |
| POTENTIAL HIBER | NACULA F | | | | | | Photo No. | Spp. | Observed | l Using Feature |
| UTM | | Fe | ature Desc | ription | | | 1 1010 110. | Spp. | 0000000 | 0 |
| Bat Roosting Feat | | Contains pote -Y* / QFN / [i.e. tall trees FEATURE(S) I Tree Spp. | Unknow with open | /n, no a surrour | nding | s (*if ves. d | cm, side-fa | able below) cing cavities No. of Cavities | | gh in tree] t and Type of Cavities |
| | 1 | | | | | | | | | |
| Stick Nests: | | C | ontains lar I-Y* / 🛱 N | rge stic / ⊒-Un | k nes know | ts? /n, no acces | ss (*if yes, (| lescribe in ta | ble below | /) |
| STICK NEST(S) IDE | NTIFIED | | | | | | 1 | 1 0 | 01 | J M. to a Frankriss |
| UTM | | Tree ID | Tree | Spp. | | Nest Size | Photo No | . Spp. | Observe | d Using Feature |
| Seeps/Springs/Ve | | |]-Y*/) -N | / 🛛 - Ur | rings/ hknow | /vernal pool /n, no acces | s? ss (*if yes, d | describe in ta | | |
| UTM | | nture No. & Typ | Featur | e Size | Wa | ater Depth | Photo No. | Sub/Emerg Spp. Pre | ent Veg. sent? | Shrubs/ Logs at Edg Present? |
| SPECIES & HABITA | TOBSER | VATIONS (list s | species and | type of | f obsei | rvation & in | dicate on п | ap) | | |
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| COMMUNITY COMMUNITY ESCRIPTION & LASSIFICATION OLYGON DES | | S | A New YORK OF STREET, N. | | | | |
|---|------------------------------|--|---|--|---|--|------|
| DESCRIPTION & CLASSIFICATION POLYGON DESC | SURVEYOR(S): S | AM | DATE: NOU | 11/2 | | UTME: 3092 | 5 |
| POLYGON DESCRIPTION | START 20 h | HCHL HON | | UTMZ: | 177 | UTMN: 778306 | 0 |
| COLEM | SCRIPTION | | | | | | Γ |
| 0101CM | SUBSTRATE | TOPOGRAPHIC | HISTORY | PLA | PLANT FORM | COMMUNITY | 7 |
| A rest of the second second second | CITANIC T | IT LACUSTRINE | B NATURAL | DPLA | NKTON | DLAKE | |
| D WETLAND | MINERAL SOIL | | | | D SUBMERGED D FLOATING-LVD. | C POND C RIVER | |
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| orte | D BASIC BEDRK. | D TALUS | COVER | | UFEROUS ED | D BARREN | |
| D SHELOW D SHALLOW MATER MATER SURFICIAL DEP. | DI CARB, BEDRK. | D ALVAR D ROCKLAND D BEACH / BAR D SAND DUNE D BLUFF | TR | | | D PRAIRIE D THICKET D SAVANNAH D WOODLAND M FOREST D PLANTATION | 0 Z |
| STAND DESCRIPTION: | RIPTION: | | | | | | |
| 1 4/160 | HT CVR | | SPECIES IN ORDER OF DECREASING DOMINANCE | PECRE | EASING DO | MINANCE | TOL |
| LATER | E | - | R THAN | SKEALER | K INAN, = H | 2 Dad no D | 12 |
| 1 CANOPY | Y | Purity 4 | | | 1 and a | Turn which | T |
| 2 SUB-CANOPY | | N N X A | Sh 22 Sec | 134 | Daciebaura | >>> lower | here |
| 3 UNDERSTOREY | - | a si a | V UN | CK A a | 1 | Gevantu | |
| 4 GRD. LAYEN | 0 | - MMM | 10m 4=1 <hts2m< td=""><td>5=0.5<h7s< td=""><td>1m 6=0.2<h< td=""><td>ITS0.5m 7=HT<0</td><td>2m</td></h<></td></h7s<></td></hts2m<> | 5=0.5 <h7s< td=""><td>1m 6=0.2<h< td=""><td>ITS0.5m 7=HT<0</td><td>2m</td></h<></td></h7s<> | 1m 6=0.2 <h< td=""><td>ITS0.5m 7=HT<0</td><td>2m</td></h<> | ITS0.5m 7=HT<0 | 2m |
| HT CODES: CVR CODES: | D=NONE 1=(| 10%-CVRs10% 2=10-CVRs25% 3=25-CVRs80% 4=CVR>60% | cCVRs25% 3=25 <c< td=""><td>VRs60%</td><td>4=CVR>60%</td><td></td><td></td></c<> | VRs60% | 4=CVR>60% | | |
| STAND COMPO | STAND COMPOSITION: UN 1-1- | Ash 80 Sw7= | Sugar Maple 15 | Redoak | Daks | BA: 24 | |
| SIZE CLASS ANALYSIS | IALYSIS: | A <10 | A 10-24 | 0 | 25 - 50 | R >50 | |
| STANDING SNAGS | IGS: | 0 <10 | 0 10-24 | 4 12 | 25 - 50 | R >50 | |
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| ABUNDANCE CODES | DES: | N=NONE R=R | R=RARE 0=OCCASIONAL | SIONAL | A=ABUNDANT | DANT | |
| COMM. AGE: | PIONEER | NOUNG | MID-AGE | 4 | MATURE | OLD GROWTH | HTWO |
| SOIL ANALYSIS | SIS: | | | | | | |
| TEXTURE: | | DEPTH TO MOTTLES/GLEY | TLES/GLEY | =6 | | G= | |
| MOISTURE: | | DEPTH OF ORGANICS: | SANICS: | _ | | | (cm) |
| HOMOGENEOL | HOMOGENEOUS / VARIABLE | DEPTH TO BEDROCK: | ROCK: | - | | | (cm) |
| COMMUNITY | COMMUNITY CLASSIFICATION | N: | | | | | |
| COMMUNITY CLASS: | :LASS: | | | CODE: | Ŧ | 0 | |
| COMMUNITY SERIES: | ERIES: | | | CODE: | | 200 | |
| ECOSITE: | | | | CODE: | | -004 | |
| VEGETATION | VEGETATION TYPE: Day - Fresh | h white ASh | 4 | CODE: | 1 | -p00- | |
| - | INCLUSION | | | CODE: | DE: | | |
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LAYERS: 1=CANOPY>10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.)LAYER ABUNDANCE CODES: N=NONE R=RARE 0=OCCASIONAL A=ABUNDANT D=DOMINANT 1 AVED

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| of a | | - | | - (| | Quality Control: This form is complete D & legible D | form is | compl | ete 🗆 | & legit | ble D. |
| Signature: | X | K | 3 | 12 | f | Signature: | | | | | |
| LA | | | | Į | | | | | | | |

W:14880urcellhternal Info and Teams/FIELD FORMS/Vagetation/ELD/alo-woodland-wild/tie-habital-form.docx / (DERVED FROM LEE ET AL., 1988)

| ELC | SITE: Tile 2 | 423092 4778306 |
|------------------|------------------|-------------------|
| LLC | POLYGON: | |
| Plant Species | DATE: Nov- 7/h | |
| List | SURVEYOR(S): SAM | 1630 h - 1742h |

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER ABUNDANCE CODES: R = RARE O = OCCASSIONAL A = ABUNDANT D = DOMINANT

| | | LA | /ER | | 0011 | | | LAY | /ER | | 0011 |
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| 11 mil | | | | | | Se Maj. racem. | | | | | |
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| Com Buck. | | | | | | | | | | | |
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| An | | | | | | | | | | | |
| Stanberry | | | | | | | | | | | |
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| Agrinany Roan Strand. | | | | | | | | | | | |
| Wild Mint | | | | | | | | | | | |
| Be | | | | | | | | | | | |
| Arm Germspi | | | | | | | | | | | |
| A Gewasp. C. arct. | | | | | | | | | | | |
| Blue Beech. Wild Geronium. | | | | | | | | | | | |
| Wild Germann. | | | | | | | | | | | |
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| for mond | | | | | | | | | | | |
| Bottlebus | | | | | | | | | | | |
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| Ench Ntsha | | | | | | NC | _ | - | - | | |
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Mourn Dive. Kaccoon

| Stantec | 1 – 70 S Guelph, Canada Tel: (51 | Southgat ON | P5 3050 | | | | ŀ | | dland & Asses | | |
|--|---|----------------|---|--|--|-----------------------------------|---|--|--------------------------------|---------------------------------|--|
| Project Number | | e) | | | | | Proje | ct Name: | Cedar P | bint | |
| | - l | | /11 | | | - | Field P | ersonnel: | Cedar P S.A. | Μ. | |
| | | | 21. | WINI | D. | | CLOUI | | PPT | : | PPT (in last 24 hrs): |
| Weather Conditions: | 1 | емр (°С)4 | <i>-)</i> . | 1-2 | | | 70 | | ~ | ~ | N N |
| ELC Polygon: # | | | nt Type: 🛛-' | | | | | | | | |
| Reptile / Bat Hiber | | | [i.e brid Co [i.e | Y* / 2 - N / features the lge abutme ntains pol Y* / 2 - N / karst topo | at would nts or cu tential b / □-Unk graphy, a | nown provi lverts at hib | de a route un with cracks/e ernacula fe | derground, in atry points, o eatures? s (*if yes, d | escribe in ta actuding buri | ed concrete c crevices or it | or rock (e.g. foundations, nactive animal burrows)] |
| POTENTIAL HIBER | NACUL | A FEAT | | | | | | Photo No. | Sm | Observed | I Using Feature |
| UTM | | | Fei | ature Desc | ription | | | Photo No. | - Shi | . Observed | r comg r cuture |
| Bat Roosting Fea | | [i.e | Y* / Y-N / U a. tall trees of TURE(S) II Tree Spp. | with open | surrour | ndings | s (*if yes, d s, DBH >25 Decay Cl | icm, side-fa | ncing cavitie | s ~10m hig | gh in tree] t and Type of Cavities |
| U I III | | | | | | | | | | | |
| Stick Nests: | | | C | ontains la -Y* / 🔟-N | rge stic / □-Un | k nes know | ts? n, no acce | ss (*if yes, | describe in | table belov | v) |
| STICK NEST(S) IDE | NTIFIE | D | | | | | Dis as | I mr ar | | 01 | d Using Feature |
| UTM | | Tre | ee ID | Tre | e Spp. | | Nest Size | Photo No | . 8 | p. Observe | ed Using Feature |
| Seeps/Springs/Vo | | | | I-Y* / 🖾-N | 1/0-Ur | rings/ hknow | vernal poo n, no acce | ls? ss (*if yes, | describe in | table belov | N) |
| UTM | | 1 | e No. & Typ | Featur | re Size | Wa | ater Depth | Photo No | | ergent Veg. Present? | Shrubs/ Logs at Edg Present? |
| | | | _ | | | | | 1 | | | 1 |
| SPECIES & HABIT BCCH - VO MODO - VO White-Toiled) Grey Squivrel Raccoon - T | | | IONS (list s | pecies and | l type of | fobse | rvation & in | ndicate on n | nap) | | |

| | ;; | SAM | | DATE: X | Nov.7, | ///) UTMZ: 1- | n + 1 | UTMN: | 986 | COMMUNITY POLYGON: COMMUNITY DATE: DESCRIPTION & | | | |
|-------------------------------|--|---|--|--|--|--|---|-----------------------------|-----------------|--|------------|-------------------|-----------|
| CLASSIFICATION 1030 h | NO | 11 | 19 N | | _ | | - | 477% | FC | #SUB-CANOPY 3=UNDERSTOREY | S | D (GRD. | LAYE |
| SYSTEM SUBS | SUBSTRATE | TOPOG | TOPOGRAPHIC FEATURE | HISTORY | ž | PLANT FORM | FORM | COMMUNITY | ALINA | DEOCCAS | | LAYER | INAN |
| CALERRESTRIAL DORGANIC | SOIL | | | NATURAL CULTURAL | | D PLANKTON D SUBMERGED D FLOATING-LVD. | ON REED LAND. | D LAKE D POND D RIVER | | SPECIES CODE 1 2 3 4 COLL. SPECIES CODE | - | 3 | 4 |
| | | D VALLE | Y SLOPE | | | T FORB | | I MARSH SWMAP | | | | + | |
| D ACIDI | | DROLL | UPLAND | | | STDECIDL | OUS | 1 FEN | | | | + | |
| SITE | | D TALUS | CE / CAVE | COVER | ER | DMIXED | | MEADO | | | | + | - |
| D OPEN WATER D CARE | D CARB. BEDRK. | D ALVA | LAND | D OPEN D SHRUB | | | | THICKE | THAT | | | | |
| BSURFICIAL DEP. | | D SAND | DUNE | 2 | | | | LFORES | TION | () See | | ++ | |
| STAND DESCRIPTION: | | | | | | | | | | 1 have 1 | | + | - |
| LAYER | HT CVR | | SPECIES IN | | DER OF D | ECREAS | ORDER OF DECREASING DOMINANCE THAN: >GREATER THAN: = ABOUT EQUAL TO) | NANCE DUT EQU | (AL TO) | Contraction of the second seco | | | |
| 1 CANOPY | 2 4 | 1 | Suger Maple | | - Beech | > Rede | > REDOCK > W-1- ASh | 1-4 | 45 | | | - | _ |
| 2 SUB-CANOPY | 5 | See | Scoor Maule | N | -while | <45+ | Ech>/renueod | poo | | | | + | - |
| UNDERSTOREY | 4-3 J | Con | ComeBuckthorn | therh | > che | RECH | > Cheke Cherry >1 | Arrowwood | rood | | | + | |
| . LAYER | 6 4 Gurlie Mustard > Avans Sp > Celled Aster | L Ger | 110 74 | Stard | >Au | 2 542 | 10-7 Cel | LCO A | C. Per | | | - | |
| HT CODES: 1= CVR CODES: 0= | 1=>26m 2=10 <h1525m 0="U-051<br" 3="U-05113m" 4="1<H152m">0=NONE 1=0%<cvr410% 2="10<CVR525%" 3="25<CVR560%" 4="CVR">60%</cvr410%></h1525m> | 0 <hts25m 0%<cvrs1< td=""><td>3=2<h151 0% 2=10<0</h151 </td><td>UM 4=1<h< td=""><td>1=26<cvrs< td=""><td>80% 4=C</td><td>R>60%</td><td></td><td></td><td></td><td></td><td>$\left \right$</td><td></td></cvrs<></td></h<></td></cvrs1<></hts25m | 3=2 <h151 0% 2=10<0</h151 | UM 4=1 <h< td=""><td>1=26<cvrs< td=""><td>80% 4=C</td><td>R>60%</td><td></td><td></td><td></td><td></td><td>$\left \right$</td><td></td></cvrs<></td></h<> | 1=26 <cvrs< td=""><td>80% 4=C</td><td>R>60%</td><td></td><td></td><td></td><td></td><td>$\left \right$</td><td></td></cvrs<> | 80% 4=C | R>60% | | | | | $\left \right $ | |
| STAND COMPOSITION: | MAG | 60 Be | 300 | Nr 10 | | | | BA: 2 | 24 | | | - | |
| SIZE CLASS ANALYSIS: | | R | <10 | 0 | 10-24 | A 2 | 25-50 | 0 | >50 | | | - | _ |
| STANDING SNAGS: | | X | <10 | 0 | 10-24 | 0 2 | 25 - 50 | X | >50 | | | + | _ |
| DEADFALL/LOGS: | | K | ×10 | 0 | 10-24 | _ | 25-50 | 8 | >50 | | | + | - |
| ODES: | | N=NONE | R=RARE | | ASIO | | A=ABUNDANT | | a second second | | | | |
| COMM. AGE: PI | PIONEER | NOUNG | DNG | MID MID | MID-AGE | XMATURE | IRE | OLD | OLD GROWTH | | | | |
| SOIL ANALYSIS: | | | | | | | | | - | | | + | - |
| TEXTURE: | | DEPTH | DEPTH TO MOTTLES/GLEY | TLES/GLE | > | 16 | | G= | - | | | + | _ |
| MOISTURE: | | DEPTH | DEPTH OF ORGANICS | ANICS: | | | | | (cm) | | | + | + |
| HOMOGENEOUS / VARIABLE | ABLE | DEPTH | DEPTH TO BEDROCK: | SOCK: | | | | | (cm) | | | - | + |
| COMMUNITY CLASSIFICATION: | FICATIO | ï | | | | | | | | | | + | + |
| COMMUNITY CLASS: | | | | | | CODE: | 10 | | | | | - | + |
| COMMUNITY SERIES: | | | | | | CODE: | LOD | 50 | | | | - | |
| VEGETATION TYPE: NVV~ | 1- Fresh | | Sugar Maple | 10 | Beech | CODE: | FODS | 05-3 | | | | _ | |
| 1 | | | 1 | | | CODE. | | | | Page_of Add Quality Control: This form is complete 🗆 & legible Q. | form is co | mplete C | l & legit |
| INCLUSION | z | _ | X | | | | Y | | | Signature: // // // // // // // // // // // // // | | | |
| UT INTO D | | | 1. | | | | | | | (Ciald Damonal) | (De | (Decine) & Annual | Incore |

udoox / (DERIVED FROM LEE ET AL., 1999) - Dfau Istion/EL.Cloic cellnternal Info and Teams/FIELD FORMS/Vege W.Vras

| ELC | SITE: Tile 2 | |
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| ELC | POLYGON: | E-422984 |
| Plant Species | DATE: Nov.7/11 | N-4778534 |
| List | SURVEYOR(S): 54M | |

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER ABUNDANCE CODES: R = RARE 0 = OCCASSIONAL A = ABUNDANT D = DOMINANT

| | 2 | LAY | (ER | | 0011 | | | LA | /ER | | COLL. |
|---|---|-----|-----|---|-------|--------------|---|----|-----|---|-------|
| SPECIES CODE | 1 | 2 | | 4 | COLL. | SPECIES CODE | 1 | 2 | 3 | 4 | COLL. |
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| Ms | R | 1 | | | | | | | | | |
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| NH Ns OR Be ID Bn | D | | | | | | | | | | |
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| Stantec | 1 – 70 S Guelph Canada Tel: (51 | Southga | 6050 | | | | ŀ | | dland & Assessi | | |
|--|--|--------------|---------------------|---|--|--------------------------|---|--|--|---------------------------|--|
| Project Number | : Cel | ar Pt. | Tile | 2 | | | Proje | ct Name: | Ceder | pt. | |
| Date | | 100-7, | 141 | | | | Field P | ersonnel: | 5.A.1 | | |
| Weather Conditions: | | EMP (°]4 | C): | WIN - 2 | D: | | CLOU 76 | | PPT: | | PPT (in last 24 hrs): |
| ELC Polygon: # <u>}</u> Extent of Physical In | _ | | | | | | | | lk through fea | ture | |
| Reptile / Bat Hibe | | | [i bi C [i | I-Y* / ⊠-N .e. features the ridge abutme Contains po I-Y* / ⊠-N .e. karst topo | / D-Unkr hat would ints or cul- tential ba / D-Unkr ography, al | provi verts at hik | de a route un with cracks/e pernacula fe a, no acces | iderground, in intry points, o eatures? s (*if yes, o | escribe in tab actuding buried | concrete c vices or it | or rock (e.g. foundations, nactive animal burrows)] |
| POTENTIAL HIBER | RNACUL | A FEA | | DENTIFIE eature Desc | | | | Photo No. | Spp. 0 | Observed | Using Feature |
| UTM | | - | F | eature Dest | ription | | | 1 1000 110. | - Oppi | | |
| POTENTIAL BAT R UTM | OOSTIN | [i. | e, tall trees | with open | surroun | dings | 5, DBH >25 | icm, side-fa | able below) Icing cavities No. of Cavities | | jh in tree] t and Type of Cavities |
| Stick Nests: | | | i I | Contains la □-Y* / ᡚ-N | rge stick /□-Unk | nes | ts? n, no acces | ss (*if yes, | describe in tal | ole belov | /) |
| STICK NEST(S) IDE | ENTIFIE | D | | | | | | | | | |
| UTM | | Tr | ee ID | Tre | e Spp. | | Nest Size | Photo No | . Spp. | Observe | d Using Feature |
| Seeps/Springs/V | | | | (S) IDENTI | I/ Q-Unl | ings/ know | vernal pool | ls? ss (*if yes, | describe in tal | | v) Shrubs/ Logs at Edg |
| UTM | | Featur | e No. & Ty | pe Featur (Dian | re Size | Wa | ter Depth | Photo No | Sub/Emerg Spp. Pre | | Present? |
| SPECIES & HABIT | AT OBS | ERVAT | TONS (list | species and | l type of | obsei | vation & ir | idicate on n | 1ap) | | |
| | | | | | | | | | | | |

| CLASSIFICATION | START: 1 | START: L END;7421 | DATE: | TT/ | UTMN: 9143 | POLYGON: COMMUNITY DESCRIPTION & CLASSIFICATION SURVEYOR(S): | |
|--|---|--|--|--|--|---|---|
| POLYGON DESCRIPTION SYSTEM SUBSTR | SUBSTRATE | TOPOGRAPHIC | C HISTORY | PLANT FORM | COMMUNITY | a-CANOP | Y 3=UNDERSTOREY 4=GROUND (GRD.) LAYER 0=OCCASIONAL A=ABUNDANT D=DOMINANT |
| Katerrestrial d d wetland d aquatic d d | d organic d'Mineral Soil d Parent Min. d Acidic Bedrik | D LACUSTRINE D ROTTOMLAND D TERPACE D VALLEY SLOPE B TABLELAND D CLIFF D CLIFF | DE CULTURAL | D PLANKTON D SLOATING-LVD D GRAMINOID D FORB D LICHEN D LICHEN D RYOPHYTE BCDECIDUOUS | D LAKE D POND D RVER D STREAM D MARSH D FEN D BOG D BOG | SPECIES CODE LAYER COLL | SPECIES CODE LAYER |
| SITE DOPEN WATER DOPEN WATER DOPEN WATER DOPEN WATER BEDROCK | d basic bedrk. D carb. bedrk. | D TALUS D CREVICE / CAN D ALVAR D ALVAR D ROCKLAND D ROCKLAND D BEACH / BAR D BLUFF D BLUFF | /E COVER D OPEN B TREED | | D BARREN D MEADOW D MEADOW D THRAIRIE D THRKET D SAVANNAH D WOODLAND D PLANTATION D PLANTATION | | |
| STAND DESCRIPTION: | :NOI | | | | | 150 mg | |
| LAYER | HT CVR | | CIES IN ORDER OF | SPECIES IN ORDER OF DECREASING DOW >>MUCH GREATER THAN; >GREATER THAN; = AE | MINANCE BOUT EQUAL TO) | (fitave | |
| | 2 4 | Sugar New | le >Beech>Ba | Sugar haple > Beech > Basswood > Whiche | edsh . | | |
| 2 SUB-CANOPY 3 UNDERSTOREY | 5 2 | Rib. ener. > | -RIK Doch | Shy Beech | | | |
| 0 | 0 | ZigZag Gold | Zigzag Goldaniad > Blue Coho Sh > | senant & hangs | .ds | | |
| HI COUES: CVR CODES: | 1=>25m 2=10 0=NONE 1=0 | 0 <ht<25m 3="2<HT<<br">)%<cvr<10% 2="10<</td"><td>2=10<h1s25m 3="2<H1S10m" 4="1<H1S2m" 5="0.5<H1S1m" 6="0.2<<br">1=0%<cvrs10% 2="10<CVRS25%" 3="25<CVRS60%" 4="CVR">60%</cvrs10%></h1s25m></td><td>F</td><td>≤0.5m 7=HT<0.2m</td><td></td><td></td></cvr<10%></ht<25m> | 2=10 <h1s25m 3="2<H1S10m" 4="1<H1S2m" 5="0.5<H1S1m" 6="0.2<<br">1=0%<cvrs10% 2="10<CVRS25%" 3="25<CVRS60%" 4="CVR">60%</cvrs10%></h1s25m> | F | ≤0.5m 7=HT<0.2m | | |
| STAND COMPOSITION: | Sugar | Maple 55 1 | Beech 35 3 | DI PR | BA: 23 | | |
| SIZE CLASS ANALYSIS: | IS: | 0 <10 | 4 10-24 | A 25-50 | 0 >50 | | |
| STANDING SNAGS: | | <i>o</i> <10 | 0 10-24 | A 25-50 | R >50 | | |
| DEADFALL/LOGS: | | 0 <10 | 0 | 2 | K >50 | | |
| ABUNDANCE CODES: | | N=NONE R=RARE | ARE D= OCCASIONAL | DNAL A=ABUNDANT | NT | | |
| COMM. AGE: | PIONEER | YOUNG | MID-AGE | | OLD GROWTH | | |
| SOIL ANALYSIS: | | | | | | | |
| TEXTURE: | | DEPTH TO MOTTLES/GLEY | 'LES/GLEY | g= | G | | |
| MOISTURE: HOMOGENEOLIS / VAPIABLE | | DEPTH OF ORGANICS: | ANICS: | M/M | (cm) | | |
| CORMAN INITY CLASSIFIC ATION. | CIEIO ATION | | | | (int) | | |
| COMMUNITY CLASS: | SILICATION | | | CODE: EO | | | |
| COMMUNITY SERIES: | | | | | 6 | | |
| ECOSITE: | | | | | 50 | | |
| VEGETATION TYPE: Dry | Dry-Fresh | · Sugar Mapk- | K- Beech | a | D5-2 | | |
| | ION | | | CODE: | | Pageof | Quality Control: This form is complete |
| COMPLEX | | | | | | Signature: AS | Signature: |

W/tresource/Internal Info and Teams/FIELD FORMS/Vegetation/ELC/elc/woodiand-wild/ife-habitat-form.dox/ (DERIVED FROM LEE ET AL., 1998)

| ELC | SITE: Tile 2 | |
|------------------|--------------------------|--|
| LLC | POLYGON: 3 E-422 946 | |
| Plant Species | DATE: Nov.7/11 N-4779143 | |
| List | SURVEYOR(S): SAM | |

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER ABUNDANCE CODES: R = RARE 0 = OCCASSIONAL A = ABUNDANT D = DOMINANT

| SPECIES CODE | | LA | | | COLL. | | SPEC | IES CO | DE | | | LAY | YER | | COLL |
|--|---|----|---|---|-------|---|------|--------|----------------------|---|---|-----|------------|---|------|
| A REAL PROPERTY AND A REAL | 1 | 2 | 3 | 4 | COLL. | | SFEC | 123 CC | UE | | 1 | 2 | 3 | 4 | COLL |
| Be | | | | | | | | | | | | | | | |
| 2R | | | | | | | | | | | | | | | |
| Mh | | | | | | | | | | | | | | | |
| Hs | | | | | | | | | | | | | | | |
| Cahoch | | | | | | | | | | | | | | | |
| ZIA Zag | | | | | | | | | | | | | | | |
| Carreo | - | 1 | | - | | | | | | | | | | | |
| BID Rasp | - | | | | | | | | | | | | | | |
| Mh Hs Cohosh Zig Zag Carreo BIR Risp OB | - | - | | | | - | | | 55 ¹ 0.55 | - | - | - | | | |
| CAVINA. | | | | - | | | | | | | - | | | | |
| Strub. Avers | | | | | | - | | | | | _ | | | | |
| BD | | - | | | | | | | | | | | _ | | |
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| An pi | _ | - | | | | | | | | | | - | | | |
| | - | - | | | | | | | | | | | | | |
| Strand Di | - | - | | _ | | - | _ | _ | | | _ | _ | | | |
| strand, Curptent (R.anov) Wedfern (Dr. Intern) | | | | | | | | | _ | | | | | | |
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| Wil Gen (Dro proton) | _ | | | | | | | | _ | | | | | _ | |
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| | | | - | | | | | | | | | | _ | | 1 |

| Stantec | 1 – 70 S Guelph, Canada Tel: (51 | Consulting L Southgate Drive ON N1G 4P5 9) 836-6050 19) 836-2493 | | | | | I | | 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - | d & Wild essment | |
|---------------------|---|---|--|--|--|--------------------------------------|---|---|---|---|--|
| Project Number | Tike | 2 | | | | | Proj | ect Name: | Cer | larpt. | |
| Date | | su.7/11 | | | | | Field F | - Personnel: - | S., | lar Pt. A. M. | |
| Weather Conditions: | T | емр (°С): 14 | | WIND: 1-2 | | | clou 70 | | | PPT: | PPT (in last 24 hrs): |
| ELC Polygon: # 3 | - | essment Type on of Feature: | | | | | | | | | |
| Reptile / Bat Hiber | | | □-Y [i.e. f bridg Con □-Y [i.e.] | features that ge abutments tains poter * / @-N / C karst topogra | J-Unkn would p or culv ntial ba J-Unkn | own orovi erts t hib own | t, no acces de a route un with cracks/o pernacula f a, no acces | s (*if yes, o aderground, entry points, eatures? as (*if yes, o | describe including exposed 1 | in table below, buried concrete o ock crevices or i in table below | or rock (e.g. foundations, nactive animal burrows)] |
| UTM | NACULA | AFLAIURE | Contraction of the | ure Descrip | otion | | | Photo No | | Spp. Observed | I Using Feature |
| | | | | | | | | | | | |
| Bat Roosting Feat | | [i.e. tall tre G FEATURE(| N/D es wi S) IDE | ENTIFIED | no aco | cess ings | s (*if yes, a | icm, side-fi | acing ca | vities ~10m hig | gh in tree] t and Type of Cavities |
| UTW | Tree I | D Tree S | րի, | | r lioto i v | 10. | Decay Ci | ass (1-3) | 140, 01 C | avittes freigh | rand Type of Carries |
| Stick Nests: | | | | ntains large (* / 🖾-N / D | | | | ss (*if yes, | describe | e in table below | /) |
| STICK NEST(S) IDE | NTIFIED |) | | | | | | | | | |
| UTM | | Tree ID | | Tree S | pp. | _ | Nest Size | Photo No | | Spp. Observe | d Using Feature |
| | | | _ | - | | | <u> </u> | 1 | | | |
| Seeps/Springs/Ve | rnal Po | ols: | | ntains seep /* / 囟-N / 0 | | | | | describe | e in table belov | v) |
| SEEP / SPRING / VE | RNAL P | OOL FEATUR | E(S) | 1.455 D1 34 | 23 1 | | | 1 | Sub/I | | Shrubs/ Logs at Edg |
| UTM | F | Feature No. & ' | Гуре | Feature S (Diamete | 63001 8 | Wa | ter Depth | Photo No | | Emergent Veg. p. Present? | Present? |
| | | | | | | | _ | 1 | _ | | |
| SPECIES & HABITA | T OBSE | RVATIONS (1 | ist spe | ecies and ty | pe of ol | bser | vation & ir | dicate on r | nap) | | |
| | | | | | | | | | | | |

| ELC | SITE: TILE2 |
|------------------|---------------------------|
| | POLYGON: (4)+5 & 6 (back) |
| Plant Species | DATE: Nov. 8/11 |
| List | SURVEYOR(S): SAM |

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER ABUNDANCE CODES: R = RARE 0 = OCCASSIONAL A = ABUNDANT D = DOMINANT

| SPECIES CODE | | | YEF | | COLL. | | | | LA | YER | 2 | |
|--|-----|---|-----|---|-------|----|-----------------------------------|-------|-----|-----|-----|--------|
| | 1 | 2 | 3 | 4 | COLL. | - | SPECIES CODE | 1 | 2 | - | 4 | COLL. |
| bern 1 | | | | | | 14 | Run Strand | | | | D | |
| Gray Roy nd. Stimb. | | | | | | 1 | Run Showb. Ench Ntshd. | | | | -10 | |
| Strue b. | | | 1 | n | | Ť | E CLI CLI CLI A | 4 | 212 | all | - | |
| NS | | - | | P | | - | Stary False Sol Seal | , | F | C | 大 | Ð |
| | | _ | | | | | Zig Zag. Herb Rept | | * | -41 | | B |
| Ew | D | | | | | | Herb Robt | | | | | |
| Dondelien | | | | | | | Sm Ghod | | | D | | |
| Aw | D | - | | | | | Bottlebrush E. | | 42 | 30 | 62 | |
| Calico | | | p | | | | N- | 1 | 77 | 1.1 | 00 | 6 |
| Hs | n | | | | | | - CAR | 4 | 11 | 1 | 83 | 0 |
| Cart: | U | + | - | | | 12 | h ll i | | | | - | |
| Const: Ribiquer. | _ | | | | | Ġ |) Pircklyberse DurvfRasp Be | | | | | |
| | 3 | | | | | | Mun f Rasp | | | | | |
| 0 B | | | | | | U | Be | P | A | A | | |
| P) | | | | D | | | BD E-423 | 0個 | 31 | | | |
| Com Buckthern | | A | | | | | BD E-423 10 N-4779 | Se la | 200 | 2 | | |
| Con Mana | | 1 | | - | | | MH . | 1.58 | 108 | 2 | - | |
| Com Buckthirm Con Marma Moonsæd Rasp (BIK) | | | | | | | | | | | | |
| Rend (RIK) | | | | | | | Genna | | | | | |
| Masps (prix) | _ | | | | | | Hs | | | | | |
| pa | 0 | | | | | | Calico Leek | | | | | |
| Nampberry | - | | D | | | | Zig Zag | | | | | |
| Banyberry Gerannum Virg. Waterlert Bluebaech | | | 1 | | | | Zig Zag Xmas Form Am | | | - | - | |
| Virg. Waterleak | | | | | | t | An | | | | - | |
| Bluebach | | p | p | | | | Garantum | - | | - | | |
| P. in June . | | ~ | P. | | | + | | _ | | - | _ | |
| C. infum. Dwarf Rasp mge Lassstrife Harthom sp. | - | | - | - | | - | Agrimony Run Strawb. | | | | | |
| pwart husp | | | - | _ | | | | | | | | |
| mge Laisestrik | | | | | | | Fulse Sol. Ser. | | | | | |
| Haw them sp. | | A | | | | | Carlon Florer | | | | 1 | |
| KOD all | | | | | | | Dawing Arranwood | - | | 1 | 6 |) over |
| Component (Veronca) Africinati | | | | | | | Jack. | | | + | 1 | 15- |
| <u>, , , , , , , , , , , , , , , , , , , </u> | -/1 | | | | | L | Pair Maria | | | | | 141 |
| FM HSE AN & | Ż | | | | |) | Dowo Prepers D-F | Be | M | H B | 1h | 11 |
| | | | | | | | BCCA | | | | 0 | |
| | | | | | | | Crow | | | | | |

| | 3=UNDERSTOREY 4=GROUND (GRD.) LAYE DEDOMINIANT DEDOMINIANT SPECIES CODE 1 2 3 POLI 1 2 3 | Signature: (Drnino): I his form is complete LI & legible LI. |
|--|---|--|
| ELC SITE: COMMUNITY POLYGON: COMMUNITY DATE: DESCRIPTION & DATE: CLASSIFICATION & SURVEYOR(S): | LAYERS: 1=CANOPY-10m Z=SUB-CANOPY ABUNDANCE CODES: N=NONE R=RARE SPECIES CODE 1 2 3 4 CC APPENDE CODE 1 2 3 4 CC CODE CODE 1 2 3 4 CC CODE COD | ig i |
| POLYGON: (A) 1/11 UTME: 2063 UTMZ: 177 UTMN: 2063 | PLANT FORM COMMUNITY PLANT FORM COMMUNITY DEVENTION DLAKE DEVENTION DLAKE DEVENTION DLAKE DEVOND DLAKE DEVOND DRATEAH DEVOND DRATEAH DEVOND DRATEAH DEVOND DRATEAH DECREANINOID DRATEAH DECREANINOID DRATEAH DECREANINOID DRATEAH DECREASING DOMINANCE DRATATION DESTERANCE DRATATION DESTERANCE DRATATION DECREASING DOMINANCE DRATATION DESTERASING DOMINANCE DRATATION DESTERASING DOMINANCE DRATATION DESTERASING DRATATION DESTERASING DRATATION DESTERASING DRATATION DESTERASING DRATATION DESTERASING DRATATION DESTERASING DRATATION DAL DLAND DAL DLAND MATURE | CODE: |
| P. TILR & S.A.M. DATE: NEV 8 END:927 h | TE TOPOGRAPHIC HISTORY PLANT FORM COMMUNIT Investment Investment ENVERING MANTURAL ENVERING PLANT FORM COMMUNIT Investment ENVERING RIVERNE RIVERNE RIVERNE RIVERNE RIVERNE ENVERNE | |
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W:/resource/Internal Info and Teams/FIELD FORMS/Vegetation/ELC/elc-woodland-wildlife-habitat-form.dock / (DERIVED FROM LEE ET AL., 1998)

| Stantec | | Southg ON N1G 9) 836 | -6050 | | | | ŀ | Woo łabitat | | d & V essn | | |
|------------------------|---------|-------------------------------|--|--|---|------------------------------|---|---|----------------------------------|-----------------------|-------------------------|------------------------------------|
| Project Number | The | 2 | | | | | Proje | ct Name: _ | Cer | Sar Pt | ~. | |
| Date | : Na | | /n | | | | Field P | ersonnel: | 5- | A.M. | | |
| Weather Conditions: | | EMP (* | °C): | WIN S | 1D: 92 | | CLOUI 70 | D: | | PPT: | - | PPT (in last 24 hrs): |
| ELC Polygon: # 4 | | | ent Type: 🗆 Feature: 🗆 | | | | | | | | ure | |
| Reptile / Bat Hibe | | | [i b C L | J-Y * / ⋈ -N i.e. features t ridge abutme Contains po J-Y * / ⋈ -N i.e. karst topo | / D-Unk hat would ents or cu otential b / D-Unk ography, | d provi lverts bat hit | hibernacula a, no access de a route un with cracks/e pernacula fe a, no access aned mines o | s (*if yes, o derground, entry points, eatures? s (*if yes, o | describe including exposed | buried c rock crev | oncrete o ices or in | active animal burrows)] |
| POTENTIAL HIBER | RNACUL | A FEA | | | | | | Photo No | 1 | Spp. O | bserved | Using Feature |
| UTM | | | F | 'eature Des | cription | | | 1 1010 110 | | oppro | | |
| POTENTIAL BAT F UTM | Tree | [i IG FE | I-Y* / I-N .e. tall trees ATURE(S) Tree Spp | s with open | 1 SUITOUI | nding | s, DBH >25 | icm, side-f | acing ca | avities ~ Cavities | | h in tree] and Type of Cavities |
| Stick Nests: | | | | Contains la | arge stic | k nes iknow | ts? n, no acce | ss (*if yes, | describ | e in tab | le below | i) |
| STICK NEST(S) ID | ENTIFIE | D | | | | | | | | | | |
| UTM | | Т | ree ID | Tre | ee Spp. | - | Nest Size | Photo N | 0. | Spp. (| Observe | d Using Feature |
| Seeps/Springs/V | | | | 0-Y*/00-N | N/Q-Ur | orings. hknov | /vernal poo /n, no acce | ls? ss (*if yes, | | | | |
| UTM | | | re No. & Ty | Featu | meter) | W | ater Depth | Photo N | | /Emerge pp. Pres | | Shrubs/ Logs at Edg Present? |
| SPECIES & HABIT | AT OBS | ERVA | TIONS (list | t species an | d type of | f obse | rvation & in | ndicate on | map) | | | |
| | | | | | | | | | | | | |

Sm Grod For I Manua Correxespp Soft Rush E- 423003 N- 4777942 Equisation Riber (R. anericenter) XXX MS OB p1 C.glacil. c. infum C.gra/. Viola Sy. Ger Sp. Canco Buck. ** Nam-Y BIR Rusp. * Ew Downy Arrow-wood

| ELC SITE: COMMUNITY POLYGON: DESCRIPTION SURVEYOR(S): CLASSIFICATION SURVEYOR(S): | LAYERS: 1=CANOPY-10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER ABUNDANCE CODES: N=NONE R=FARE 0=OCCASIONAL A=ABUNDANT D=DOMINANT SPECIES CODE 1 2 3 4 COLL. SPECIES CODE 1 2 3 4 COLL. | | | Aladred Aladre | | | | | | | | | | | | | | - / Xera | ACTIME Qua | Jetme |
|--|--|---|--|--|---|--------------------|----------------------|-----------------------------------|------------------|----------------|-----------------------|---|---------------------------|------------------|-------------------------------|----------------------------|-------------|-----------------|-------------------------------|----------------------|
| LAYERS: 1=CANOPY>10m ABUNDANCE CODES: N=NO SPECIES CODE | | | | 1 Sal | | | | | | | | | | | | | Page_of_/ x | Signature: Ja M | | (Field Personnel) |
| I COMMUNITY DLAKE DPOND DRIVER DRIFEAM DRATSH DRATSH DRATSH DFEN | | D BARREN D MEADOW D PRADOW D FHICKET D THICKET D SAVANNAH D SAVANNAH D PLANTATION | MINANCE | R HICKOWY | y >Cellce Aster | BA: 20 | R >50 | R >50 R >60 | - | OLD GROWTH | G= | (cm) | (cm) | | | 05-2 | | | | |
| PLANT FORM | D PLANKTON D SUBMERGED D FLOATING-LVD. D GRAMINOID D FORB D LICHEN D BRYOPHYTF | IR DECIDIOUS D CONFEROUS MIXED | SPECIES IN ORDER OF DECREASING DOMINANCE | 27 BESSWOOD | 2. Bury Arrow wood = Prickly Gasebury XC 2. Wild Garanium XJACK/M/Wilpit > Genum 2=10-417255m 3=2-447540m 4=144722m 5=0.5-41751m 6=0.2-41750.5m 1=0%-CVR510% 2=10-CVR226% 3=25-CVR260% 4=CVR260% | | 4 25-50 | 0 25-50 0 25-50 | - | X MATURE | =6 | MM | 141. | CODE: FU | FO | CODE: F0D CODE: F0D | CODE: | ODF. | CODE: / | |
| | HISTORY MNATURAL CULTURAL | COVER D OPEN D SHRUB D TREED | ES IN ORDER OF | 2)Sugar Mayle 2 Bessinas aple > White Ash > Shabor | wood = Nric INN Juck/n m 4=1 <hts2m 5="0<br">(Rs25% 3=25<cvrs< td=""><td></td><td>A 10-24</td><td>R 10-24 Ø 10-24</td><td></td><td>MID-AGE</td><td>LEY</td><td>ICS:</td><td></td><td></td><td></td><td></td><td>0</td><td></td><td>2</td><td></td></cvrs<></hts2m> | | A 10-24 | R 10-24 Ø 10-24 | | MID-AGE | LEY | ICS: | | | | | 0 | | 2 | |
| 10/01/1 | TOPOGRAPHIC FEATURE DIACUSTIRINE DIACUSTIRINE DIACUSTIRINE DIACUSTIRINE DIACUSTIAND DIACUSTICAND DIACUSTICAND DIACUSTICAND DIACUSTICAND DIACUSTICAND | D CLIFF T ALUS D TALUS D CREVICE / CAVE D ALVAR D ALVAR D BLUFF D BLUFF D BLUFF | | Beech SSL. Sugar Maple | 5-4 2 Burry Arrow wood = Prickly Gargeby 6 3 Wild Granium Juck Inhing 1 7 500 1=>26m 2=10-41525m 3=2411520m 4=141122m 5=0.541151m 6=0.241 0=NONE 1=08-6078-5108, 2=10-6078-2588, 3=236-6078-5088, 4=67078-5088 | Mh 32 Bde | 0 <10 | 0 <10 4 <10 | N=NONE R=RARE | MOUNG | DEPTH TO MOTTLES/GLEY | DEPTH OF ORGANICS: DEPTH TO REDROCK. | | | | Sugar Maple - Beech Forest | | 1 | 4 | |
| | SUBSTRATE D ORGANIC ÉÉMINERAL SOIL D PARENT MIN. | BEDRK | TION: HT CVR | 60 | 5-4 6 1=>25m 0=NONE | N: Bebal | | 4 | N | PIONEEK | DE | | | | | | NO | EX | | ance / notes: |
| POLYGON DESCRIPTION | SYSTEM CTERRESTRIAL D WETLAND D AQUATIC C C C C C C C C C C C C C | SITE D OPEN WATER D SHALLOW WATER B SURFICIAL DEP. D BEDROCK | STAND DESCRIPTION: LAYER | 1 CANOPY 2 SUB-CANOPY | 4 GRD. LAYER HT CODES: CVR CODES: | STAND COMPOSITION: | SIZE CLASS ANALYSIS: | STANDING SNAGS: DEADFALL/LOGS: | ABUNDANCE CODES: | SOIL ANALYSIS: | TEXTURE: | MOISTURE: HOMOGENEOUS / VARIABLE | COMMUNITY CLASSIFICATION: | COMMUNITY CLASS: | COMMUNITY SERIES: ECOSITE: | VEGETATION TYPE: Dry-Fresh | INCLUSION | COMPLEX | Evidence of Disturbance / N-4 | -אומבוורב הו הופוחות |

W/tresource/Internal Info and Teams/FIELD FORMS/Vegetation/ELC/elc-woodland-wildlife-habitat-form.dox / (DERIVED FROM LEE ET AL., 1998)

| Stantec | | 1G 4P5 336-6050 | | | | | odland & at Assess | | |
|--|----------|--|--|---|--|--|---|---------------------------------------|---|
| Project Number: | Tite | 2 | | | Pro | ject Name: | Cedar. | pt. | |
| Date: | | 18/11 | | | Field | Personnel: | | 4 pr. | |
| Weather Conditions: | TEMP | ° (°C): | WIND: | 2 | CLO | JD: 70 | PPT: | | PPT (in last 24 hrs): |
| ELC Polygon: $\frac{\# 5}{5}$ | | ment Type: 🛛-\ of Feature: 🖾-E | | | | | | | |
| Reptile / Bat Hiberr | | □-) [i.e. brid Cor □-) [i.e. | features that ge abutments ntains poten (* / 2 - N / 2 karst topogra | I-Unknow would pro- or culverts tial bat h I-Unknow | n, no acces vide a route u with cracks/ ibernacula f n, no acces | ss (*if yes, nderground, entry points, eatures? ss (*if yes, | describe in table including buried | concrete vices or | or rock (e.g. foundations inactive animal burrows) |
| UTM | ACULAFE | | ture Descrip | tion | | Photo No | . Spp. (| bserve | d Using Feature |
| | | | | | | | · opp. c | , , , , , , , , , , , , , , , , , , , | a comp reature |
| POTENTIAL BAT RO | [| -Y* / Q-N / D [i.e. tall trees with trees with the second | ith open sur ENTIFIED | no acces rounding hoto No. | is (*if yes, d s, DBH >25 Decay Cli | cm, side-f | table below) acing cavities ~ No. of Cavities | | gh in tree] t and Type of Cavities |
| Stick Nests: | | | ntains large /* / 図-N / ロ | | | s (*if ves. | describe in tabl | le belov | y) |
| TICK NEST(S) IDEN | TIFIED | | 1 | | | | | | / |
| UTM | T | ree ID | Tree Sp | p. | Nest Size | Photo No | . Spp. (| Observe | d Using Feature |
| Seeps/Springs/Vern SEEP / SPRING / VERN | | Q-Y | | -Unknow | vernal pools n, no acces | s? s (*if yes, i | describe in tabl | e belov |) |
| UTM | | re No. & Type | Feature Siz (Diameter) | ze wy | ter Depth | Photo No. | Sub/Emerger Spp. Press | | Shrubs/ Logs at Edg Present? |
| PECIES & HABITAT | OBSERVA' | TIONS (list snee | cies and type | e of obser | vation & inc | licate on m | an) | | |
| | | | | | | | mp) | | |

| | | Signature: (Project Manager) |
|---|---|----------------------------------|
| UTIME:423205 UTIME:423205 UTIMN: COMMUNITY DESCRIPTION & DATE: CLASSIFICATION SURVEYOR(S): | LAYERS: 1=CANOPY-10m 2=SUB-CL ABUNDANCE CODES: N=NONE REPAIR SPECIES CODE 1 2 3 PECIES CODE 1 2 3 Page of Signature: | (Field Personnel) |
| POLYGON: | | CODE: |
| Cedar Rint - Tile 2 :YOR(S): SA.M. DATE: NOU.8. Ell N END: 9271 | NUMBERTRATE TOPOGRAPHIC HISTORY PLANT FORM RGANIC BINTORINE DATURAL PLANTFORM RGANIC BINTORINE DATURAL BINTING-UNITING REAL BINTORINE DATURAL BINTING-UNITING REAL BINTORINE DATURAL BINTING-UNITING REAL BINTORINE DATURAL BINTORINE DATURAL CIDIC BEDRK BINTOL UPLANID DCULTURAL BINTING-UNITING CIDIC BEDRK BINTOL DATURAL DERRACE DERRACE SIDIC BEDRK CALTURAL DOPEN DERRACE DERRACE SIDIC BEDRK CALURA DOPEN DERRACE DERRACE SIDIC BEDRK CALURA DOPEN DERRACE DERRACE SIDIC BEDRK CALURA DOPEN DERRACE DERRACE ARB BEDRK CARENTRA DOPEN DERRACE DERRACE ARB BEDRK DERRACE DOPEN DERRACE DERRACE ARB BEDRK DERRACE DERRACE DERRACE DERRACE ARB BEDRK DERRACE DERRACE DERRACE DERRACE ARD DERRACE DORACE DERRACE DERRACE ARANDE DORACE | tes: |
| ELC SITE: Cedar community Description a start. CLASSIFICATION a START. | SYSTEM SUBSTRATE TOPOGR SYSTEM SUBSTRATE TOPOGR SYSTEM SUBSTRATE INVERIN DETERACION EMINERAL SOIL INVERIN EMINERAL SOIL DRIGANIC INVERTIN AQUATIC PARENT MIN. STABLEJA AQUATIC PARENT MIN. STABLEJA BASIC BEDRK BASIC BEDRK INVALLEY SITE DACIDIC BEDRK DCLIFF STALLOW CARB. BEDRK DCLIFF BASIC BEDRK DCREVICE DCLIFF BASIC BEDRK DCREVICE DCREVICE BEDROCK DESCRIPTION: DCREVICE AND DESCRIPTION: LAVER ALVAR STAND DESCRIPTION: LAVER ALVAR ACANOPY A A AND AND DESCRIPTION: LAVER ALVAR AND DESCRIPTION: LAVER ALVAR AND DESCRIPTION: A AND AND DESCRIPTION: AND A AND DESCRIPTION: AND A AND DESCRIPTION: AND A AND DESCRIPTION: A A AND DESCRIPTION: AND A AND COMPOSITION: AND A AND | Evidence of Disturbance / Notes: |

W:/resource/Internal Info and Teams/FIELD FORMS/Vegetation/ELC/elc-woodiand-wild/ife-habitat-form.dox / (DERIVED FROM LEE ET AL., 1988)

| Stantec | Stantec Consulting 1 – 70 Southgate Driv Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | | | | odland & t Assess | | |
|--|--|---|---|---|---|--|----------------------|---|
| Project Number: | Tile 2 | | | Pro | oject Name: | Cedar | pt. | |
| Date: | Nov-8/11 | | | Field | Personnel: | S.A.M | 1 million 1 | |
| Weather Conditions: | TEMP (°C): | WIND: | | CLO 7 | 1000 | PPT: | | PPT (in last 24 hrs): |
| ELC Polygon: #6 | Assessment Type | e: □-Visual; roads | ide, no a | ccess / 🖄 | Physical; w | alk through fea | ature | |
| Extent of Physical Inv | estigation of Feature | : □-Entire / ⊠-Pa | rtial, wal | k through | polygon (ind | dicate on map) | | |
| Reptile / Bat Hibern POTENTIAL HIBERN | | bridge abutments o Contains potenti D-Y* /2 N / D- [i.e. karst topograp] | Unknown yould prov or culverts al bat hil Unknown | n, no acce ide a route u with cracks bernacula n, no acce | ss (*if yes, o inderground, /entry points, features? ss (*if yes, o | describe in table including buried of exposed rock cre | concrete vices or | or rock (e.g. foundations, inactive animal burrows)] |
| UTM | ACOLATEATORE | Feature Descripti | ion | | Photo No. | Spp. C | bserve | d Using Feature |
| | | | | | | | | |
| POTENTIAL BAT ROUUTM | [i.e. tall tre | 1 | oundings | s (*if yes, c s, DBH >2 Decay Cl | ōcm, side-fa | cing cavities ~ | | gh in tree] at and Type of Cavities |
| Stick Nests: | | Contains large s □-Y* / 10-N / □- | | | ss (*if ves. d | lescribe in tabl | e belov | v) |
| STICK NEST(S) IDEN | | | | 1 | | | - 20101 | |
| UTM | Tree ID | Tree Spp. | | Nest Size | Photo No. | Spp. C | bserve | d Using Feature |
| Seeps/Springs/Verr | | Contains seeps/s -Y* / -N / -U E(S) IDENTIFIED | Unknown | remal pool n, no acces | s? ss (*if yes, a | l lescribe in table | e belov | v) |
| UTM | Feature No. & T | $\frac{\mathbf{Freature Size}}{(\text{Diameter})}$ | Wat | er Depth | Photo No. | Sub/Emergen Spp. Prese | | Shrubs/ Logs at Edge Present? |
| | | | | | | | | Ye.s |
| SPECIES & HABITAT | UBSERVATIONS (lis | it species and type (| of observ | ation & in | dicate on ma | <u>ip)</u> | | |

| ELC | SITE: Tile 3 |
|------------------|--------------------------------|
| | POLYGON: 3-3 /3-3 / 3-1 (back) |
| Plant Species | DATE: Nov. 8/11 |
| List | SURVEYOR(S): SAN. |

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER ABUNDANCE CODES: R = RARE O = OCCASSIONAL A = ABUNDANT D = DOMINANT

| SPECIES CODE | | LAY | 1 | | COLL. | SPECIES CODE | | COLI |
|--|---|-----|-----|---|--------------|---|----|------|
| OF EVILO UUDE | 1 | 2 | 3 | 4 | | | 4 | COLI |
| SA MA | D | | | | | 7-3/Sm Brone | | |
| 12 | | A | | | | V Sume | | |
| Run Strawb. | | | | | | tan Grod 1 | 2 | |
| Grape | | | | | | 3-3) Sm Brome Sumre Tavi 6'rod Rosa prog. | | |
| Ving Creep. | | | | | | Aarmon 1 | | |
| An | 0 | | | | 1.10 | MB | | |
| CB | | | | | | Aw O | | |
| Callo | | | | | | BES | | |
| Gen | | | | | | Red Generic | | |
| HS | | | | | | ka comp. | | |
| Com. Buck. | | | | | | Grene | | |
| OR | | | Hig | | | Covered North D | | |
| Zinzag | | | | | | C. arned | | |
| Barhemist | | | | | | C. plander | - | |
| Shi Mh Id Run Strawb. Groppe Ving Creep. An CB Collico Geum HS Con. Buck. OR Z. 9209 Garhefust C. arct. Strub. | | | | | | NL platern | - | |
| strub. | | | | | | Rosa proj. Agrimmy MB Aw Aw O BES Red Fescre Red Fescre Red Comp. Crepe Grey Mogul C. amea C. blonde NL Planton Spron b. Grey Acster QA Lace Calu Cycol | b | |
| Rod Rasp | | | | | | Gazger | 2 | |
| Red Rasp Be | | | | - | | GAL .e. | | |
| Ghistri. | | | | | | Coli crad | - | |
| Be Chr. S.fri. Leek | | | | | | Garly Great Millfeil Denth Spic- G-LG100 | - | |
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| AND INC. | | | | | | Oxaye. NEASJer BIKResp | - | |
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| spros peeper | | | | | | 423062 | M | 1 |
| The Mark I have been seen as a second s | | | | | | 4777117 | () | |

| | | | UB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER R=RARE O≕OCCASIONAL A=ARI INDANT D=DOMINIANT | DLL. SPECIES | | | | | | | | | | | | | | | | | | | | | | | | | | Quality Control: This form is complete & legible . | oignature: |
|--------------------------|--|-----------------------------|---|---------------------------|-----------------------------|--------------------------------|---------------------------------------|--------|--------------------|--|----------------------------|--|------------|---|--------------------|----------------------|-----------------|----------------|--------------------|--------------------|----------------|-----------------------|--------------------|-------------------|---------------------------|---------------------------------------|---------|----------------------------|--------------|--|---------------------------------|
| UTME: A COLYGON: | UTMN: COMMUNITY DATE: UTMN: T7347 DESCRIPTION DATE: | CLASSIFICATION SURVEYOR(S): | COMMUNITY LAYERS: 1=CANOPY>10m 2=SUB-CANOPY ABUNDANCE CODES: N=NONE R=RARE C | | | ARREN EADOW AIRTO | X THICKET D SAVANNAH D WOODLAND | FOREST | 1 Cal N | ICE | EQUAL TO) | > Giant Rague ed | | 11c0A54eV 7=HT=0.2m | | 150 | 00. | 092 | 001 | OLD GROWTH | | | (cm) | (cm) | | | | | Dane of And | Signature: | |
| Nov - 8/1) DITGON: | UTMZ: 17 T UTI | | RY PLANT FORM | D PLANKTON D SUBMERGED | | ER D MIXED | | | | SPECIES IN ORDER OF DECREASING DOMINANCE | Hawthorn Sp >> Aurie >> Aw | (There | 619 53 | | BA: | 10-24 25-50 | | | IONAL | MATURE | | =0 | VIN | WHA | | CODE: CU | | CODE: CUT1 CODE: CUT1 | | coue: | CODE: |
| -TAK 3 A.M. DATE: | L ENDIDATH | | TOPOGRAPHIC FEATURE | | D TERRACE D VALLEY SLOPE | CREVICE / CAVE | | | | | | | Can | 1=>56m 2=10<+11=26m 2=<+11=77 7 7 7 1=> 7 9 1=> 7 0=0 0=0 (0=> 4) 1=>56m 2=10<+11=26m 2=>2<+11=10 m 4=1<+11=25m 5==0.5<+11=17 m 6==0.2<+1 D=NONE 1=0%<-CVR510% 2=10CCVR555% 3=25<-77=560% 4==0.2<+11=20% 2=100% 2=10CVR555% 3=25<-77=560% 4==0.2<+11=20% 2=100% 2=10CVR555% 3=25<-77=560% 4==0.2<+11=20% 2=10CVR555\% 3=25<-77=560% 4==0.2<+11=20% 2=10CVR555\% 3=25<-77=56% 4==0.2<+11=20% 2=10\% 2=10 | NIA | <10 10- | | | N=NONE R=RARE 0=OC | X YOUNG MID-AGE | | DEPTH TO MOTTLES/GLEY | DEPTH OF ORGANICS: | DEPTH TO BEDROCK: | | | | Apple Mineral Cultural | with I woney | | / |
| COMMUNITY SURVEYOR(S): S | CLASSIFICATION & START: 52 | POLYGON DESCRIPTION | SYSTEM SUBSTRATE | | D AQUATIC D PARENT MIN. | SITE DOPENWATER D CARB. BEDRK. | MATER MATER DESURFICIAL DEP. | | STAND DESCRIPTION: | LAYER HT CVR | CANOPY | 2 SUB-CANOPY 4 2 3 INNEDETOREY 4 #E 2 | GRD. LAYER | 1=>25m 0=NONE | STAND COMPOSITION: | SIZE CLASS ANALYSIS: | STANDING SNAGS: | DEADFALL/LOGS: | ABUNDANCE CODES: | COMM. AGE: PIONEER | SOIL ANALYSIS: | | | | COMMUNITY CLASSIFICATION: | COMMUNITY CLASS: COMMUNITY SERIES: | COSITE: | EGETATION TYPE: Haw therm- | INCLUSION | COMPLEX | Vidence of Disturbance / Nation |

W:resource/Internal Info and Teams/FIELD FORMS/Vegetation/ELCtelc-woodland-wild/fe-habitat-form.dox/ (DERIVED FROM LEE ET AL., 1988)

3-1 Riparton A-Apple D-Banth Con-Brock Sh h 18° 70% oland B: R2 E-422095 N-4777347 Sh Browle Reeserry Gape Musd. Rob NEADer Callo Tom Gurod Rose. Grant Rag wed Leavel wayamment OR 0-An TallNettle Cadnip Charkwillow not hervarn 6-L 6 1rod Sour Cherry Cottomood Con Thistle maneed Bin deck ProstABAEr

| ELC PILE CAN PA | ·- T1k3 | POLYGON: | | | |
|--|---|---|---|----------------------------------|--|
| COMMUNITY SURVEYOR(S): | 5 | =: Nov. 8/17 | UTME: | | |
| DESCRIPTION & START. CLASSIFICATION | h END: 1/43 h | TTT | UTMN: (| COMMUNITY DESCRIPTION & DATE: | |
| POLYGON DESCRIPTION | | | | CLASSIFICATION SURVEYOR(S): | |
| SYSTEM SUBSTRATE | TOPOGRAPHIC FEATURE | Ϋ́ | COMMUNITY | B-CANOP | Y 3=UNDERSTOREY 4=GROUND (GRD.) LAYER O=OCCASIONAL A=ARI INDANT D=DCOMINANT |
| DI WETLAND DI MINERAL SOIL | LACUSTRINE D RIVERINE D BOTTOMLAND | ANATURAL DPLANKTON DSUBMERGED DCULTURAL DFLOATING-LVD | D LAKE D POND | O | SPECIES CODE |
| D AQUATIC D PARENT MIN. | D TERRACE D VALLEY SLOPE | C GRAMINOID | LI RIVER DI STREAM DI MARSH | | л 20 4 |
| D ACIDIC BEDRK. | | | C SWMAP | | |
| SITE DEASIC BEDRK. | CREVICE / CAVE | ER D MIXED | LI BOG DI BARREN DI MEADOW | | |
| - | | | D PRAIRIE D THICKET | | |
| DEDROCK | D SAND DUNE | | | | |
| STAND DESCRIPTION: | | | I FLAN IA HON | 1 300 N / | |
| LAYER HT C | CVR SPECIES IN O | SPECIES IN ORDER OF DECREASING DOMI | DOMINANCE | 1 Hawkey | |
| CANOPY 2 4 | 1 | Sugar Mainte 27 WALKEATER THAN; = ABOUT EQUAL TO) | DUT EQUAL TO) | | |
| SUB-CANOPY 3 | 2 Ironwood | | | | |
| 3 UNDERSTOREY 6 5 4 | 2 Corlic Nysbord | a Ashar > Red | Rasp berry | | |
| 1=>25m | 0 <ht<25m 3="2<HT<10m" 4-<="" td=""><td>7219299 60</td><td>idenced = Run Should</td><td></td><td></td></ht<25m> | 7219299 60 | idenced = Run Should | | |
| | 1=0% <cvr<10% 2="10<CVR<25%" 3="25<CVR<60%" 4="CVR">60%</cvr<10%> | 5=0.5 <ht≤1m 2VR≤60% 4=CV</ht≤1m | 6=0.2 <ht≤0.5m 7="HT<0.2m<br">/R>60%</ht≤0.5m> | | |
| STAND COMPOSITION: | | <u>a</u> | BA: | | |
| SIZE CLASS ANALYSIS: | <10 | 10-24 25-50 | 250 | | |
| STANDING SNAGS: | <10 | | | | |
| DEADFALL/LOGS: | | | 09~ | | |
| ABUNDANCE CODES: | RARE | SIONAL | ne~ | | |
| COMM. AGE: PIONEER | YOUNG NUND-AGE | MAT | OLD GROWTH | | |
| SOIL ANALYSIS: | | | | | |
| EXTURE: | DEPTH TO MOTTLES/GLEY | Y g= G= | | | |
| MOISTURE: | DEPTH OF ORGANICS: | A 1 / A | (cm) | | |
| 10M0GENEOUS / VARIABLE | DEPTH TO BEDROCK: | W/N | (cm) | | |
| OMMUNITY CLASSIFICATION: | | | | | |
| OMMUNITY CLASS: | | CODE: FO | | | |
| CONTE: COSITE: | | 101 | | | |
| TON TYPE: DAY-Fresh | | CODE: | | | |
| | Lucus | | -8- | | |
| INCLUSION | | CODE: | Page | e_of_ LAN M | Quality Control: This form is complete 🗆 & legible 🗅 . |
| Vidence of Disturbanco / Motor | | CODE: | | Signature: | Signature: |
| | | | | (Field Personnel) | (Project Manager) |
| and of pistulbalice / Noles | | | | | (Field Personnel) |

Writesource/Internal Info and Teams/FIELD FORMS/Vegetation/ELC/elc-wood/and-wild/ife-habitat-form.dox/ (DERIVED FROM LEE ET AL., 1998)

| Stantec | | 1G 4P5 336-6050 | | | | | odland & at Assess | | |
|-------------------------|----------|---|---|--|--|---|---------------------------|----------------------|--|
| Project Number: | Tile | 3 | | | Pro | ject Name: | Cedor / | 27. | |
| Date: | Nov | 1-8/11 | | | Field | Personnel: | - | | |
| Weather Conditions: | TEM | P (°C): | WIND: 2 | | CLOI | JD: 70 | PPT: | | PPT (in last 24 hrs): |
| ELC Polygon: # | | ment Type: □-\ of Feature: □-E | | | | | | iture | |
| Reptile / Bat Hiberr | | □) [i.e. brid. Cor □) [i.e. | features that w ge abutments o ntains potenti /* / D-N / D- karst topograpi | Unknown ould prov or culverts al bat hil Unknown | n, no acces ide a route u with cracks/ bernacula f n, no acces | entry points eatures? s (*if yes, | describe in tabl | concrete vices or | or rock (e.g. foundations, inactive animal burrows) |
| POTENTIAL HIBERN UTM | ACULA FI | weeks and the second | ENTIFIED ture Descripti | ion | | Photo No | Snn (| hearvo | d Using Feature |
| OTM | | real | ture Descripti | | | F HOLO INC | spp. c | Juserve | u Osing reature |
| Bat Roosting Featu | | Contains poten -Y* / A-N / [i.e. tall trees w EATURE(S) IDI | -Unknown, n ith open surro ENTIFIED | o access oundings | s <i>(*if yes, d</i> s, DBH >25 | cm, side-f | acing cavities ~ | | |
| UTM | Tree ID | Tree Spp. | DBH Ph | oto No. | Decay Cl | ass (1-5) | No. of Cavities | Heigh | t and Type of Cavities |
| 1 | | · · · · · · · · · · · · · · · · · · · | <u> </u> | | <u> </u> | I | | 1 | |
| Stick Nests: | | Cor □-\ | ntains large s /* / ͡͡͡͡͡͡͡͡͡ / ͡͡͡ː-I | tick nest Unknowi | s? n, no acces | s (*if yes, | describe in tabl | e belov | v) |
| STICK NEST(S) IDEN | TIFIED | | | | | | - | | |
| UTM |] | Tree ID | Tree Spp | • | Nest Size | Photo No | o. Spp. C | Observe | d Using Feature |
| Seeps/Springs/Verr | | Q-Y | | Unknow | | | describe in tabl | e belov | 1) |
| UTM | 1 | re No. & Type | Feature Size (Diameter) | . [| ter Depth | Photo No | Sub/Emerger Spp. Prese | | Shrubs/ Logs at Edge Present? |
| | | [| | | | | | | |
| SPECIES & HABITAT | OBSERVA | TIONS (list spe | cies and type | of observ | vation & inc | licate on n | nap) | | |
| Spring Reep | ver – V | D | | | | | | | |
| | | | | | | | | | |

| | CI ASSIEICATION | STARTSIL | END; IL 2 L | | UTMZ: 1-X-1 | UTMN: | COMMUNITY DATE: | |
|--|-------------------------------|-----------------------------|---|---|--|---|--------------------------|--|
| STRATE TOPOSERS INSTORY PLANT FORM COMMUNITY NIC EXATURE MINUALI DIAMONOE DIAMONOE DIAMONOE NIC ENERNE MINUALI DIAMONOE DIAMONOE DIAMONOE NICH DIAMONOE DIAMONOE DIAMONOE DIAMONOE DIAMONOE REDRIK EDIAL DIAMONOE DIAMONO | LYGON DESC | CRIPTION | 2011 | | 171 | /11// 4 | | |
| NIC DIACRESSING INCREMENT DIACRESSING INCRE | SYSTEM | SUBSTRATE | TOPOGRAPHIC | HISTORY | PLANT FORM | COMMUNITY | Ç | TOREY 4=GROUN |
| AT SOLL ENERTINGLY ENERTINGLY ENERTINGLY ENERTINGLY TIMIN TOTALIT ENERTINGLY ENERTINGLY ENERTINGLY TIMIN TOTALIT ENERTINGLY ENERTINGLY ENERTINGLY ENERTINGLY ENERTINGLY ENERTINGLY ENERTINGLY ENERTINGLY ENERTINGLY <td< td=""><td>SIAL</td><td></td><td>D LACUSTRINE</td><td>I NATURAL</td><td>D PLANKTON D SUBMERGED</td><td></td><td>SPECIES CODE LAYER COLL.</td><td>S</td></td<> | SIAL | | D LACUSTRINE | I NATURAL | D PLANKTON D SUBMERGED | | SPECIES CODE LAYER COLL. | S |
| EIERK EIKELAND EIKERAND EIERK EIKER EIKER EIEKK EIKER EIKER EIEKK EIKER EIKER EIEKK EIKER EIKER EIEKK EIKER EIKER EIKK EIKER | | | | COLTURAL | D FLOATING-LVD. D GRAMINOID | D RIVER | 3 | 2 3 4 |
| EERK PULS EERK PULS | | | D TABLELAND | | D LICHEN | D SWMAP | | |
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W:/resource/Internal Info and Teams/FIELD FORMS/Vegetation/ELC/elc-wood/and-wild/fe-habitat-form.dox/ (DERIVED FROM LEE ET AL., 1998)

| Stantec | | N1G 4P5 836-6050 | | | | | | | and & ssess | | dlife t Form |
|--|------------|---|--|--------------------------------|---|--|--|---------------------------------|---|----------------------|--|
| Project Number: | Tik | e 3 | | | | Pro | ject Name | : (| esar | pt. | |
| Date: | No | 0.8/11 | | | | Field | Personnel | : | iedar S.A. | .M. | |
| Weather Conditions: | TEM | IP (°C): | wir 2 | ND: | | CLO 7 | | | PPT: | | PPT (in last 24 hrs): |
| ELC Polygon: # 3 | Assess | sment Type: 🛛 | -Visual; ro | adside | e, no a | ccess 🕅 | Physical; \ | walk th | rough fea | iture | 4 |
| Extent of Physical Invo | estigation | of Feature: 🔲 | -Entire / Ç | }-Parti | al, wal | k through p | oolygon <i>(ir</i> | ndicate | on map) | | |
| Reptile / Bat Hiberr | | [i.c bri Cc [i.c | -Y* / Q-N e. features t dge abutme ontains po -Y* / Q-N e. karst topo | / | nknowi ild prov culverts bat hil nknowi | hibernacu n, no acces ide a route u with cracks/ bernacula i n, no acces oned mines of | ss (*if yes, nderground, entry points features? ss (*if yes, | descri , includi , expose | ng buried o d rock cre | concrete vices or | or rock (e.g. foundations inactive animal burrows) |
| POTENTIAL HIBERN UTM | ACULA F | | | | | • | DL . A. N. | | 6 6 | | 111 · F / |
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| Bat Roosting Featu POTENTIAL BAT ROO UTM | | Contains pote -Y* / A-N / C [i.e. tall trees v EATURE(S) II Tree Spp. | Unknov with open | v <mark>n, no</mark> surrou | access indings | s (*if yes, a | icm, side-f | acing o | oelow) cavities ~ | | gh in tree] t and Type of Cavities |
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| STICK NEST(S) IDEN | TIFIED | | · · / · · | | | ., | | 4000/11 | <u>, , , , , , , , , , , , , , , , , , , </u> | 0.001011 | |
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| UTM | 1 | ıre No. & Type | Feature (Diame | Size | Wat | er Depth | Photo No | | Emergen pp. Prese | | Shrubs/ Logs at Edge Present? |
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| SPECIES & HABITAT | OBSERVA | 111ONS (list sp | ecies and f | ype of | observ | vation & inc | <u>dicate on n</u> | 1ap) | | | |
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| ELC | SITE: Tr | le 4 | |
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| Plant Species | DATE: | Nov. 8/1 | 12092 -> 1302h |
| List | SURVEYOR | R(S): SAM | |

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER ABUNDANCE CODES: R = RARE 0 = OCCASSIONAL A = ABUNDANT D = DOMINANT

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| Y | Wt Spruce | | | | | _ | | Op. | | | - | 3 |
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COLL. WrivesourceNnternal Info and Teams/FIELD FORMSIVegetation/ELCtelc-woodland-wildlife-habitat-form.docx / (DERIVED FROM LEE ET AL., 1998) 4=GROUND (GRD.) LAYER INDANT D=DOMINANT 4 (Project Manager) 3 LAYER 2 A=ABUNDANT SPECIES CODE 3=UNDERSTOREY Signature: 0=OCCASIONAL COLL. LAYERS: 1=CANOPY>10m 2=SUB-CANOPY ABUNDANCE CODES: N=NONE R=RARE C 4 m LAYER (Field Personnel) with the DESCRIPTION & DATE. CLASSIFICATION SURVEYOR(S): 2 OLYGON: A V DATE: SITE: 11/00 SPECIES CODE COMMUNITY 000 ELC Signature: Page of CUTI (Hawthern) FOD 7-3 (Burcak/Ms/Ew) UTMN: 4777695 (cm) (cm) OLD GROWTH (>>MUCH GREATER THAN; >GREATER THAN; = ABOUT EQUAL TO) COMMUNITY DLAKE DLAKE DRIVER DRIVER DRIVER DRARSH DRARSH DRARSH DRARSH DRARSH DRARSH DRARSH DRARSH DRARSH DRADOW DRAD 1=>25m 2=10<HT<25m 3=2<HT<10m 4=1<HT<2m 5=0.5<HT<1m 6=0.2<HT<0.5m 7=HT<0.2m UTME: 11) # >50 >50 >50 Gray Degwood >> How thorn sp > Red Oson Dogwood Parile led Aster = Cores gracillina > Agringeny Cu 72-4 SPECIES IN ORDER OF DECREASING DOMINANCE wild Straw bury > self (tan 1 > ay a stricta White ASA >> Silver Maple >> Sugar Maple C47J BA: ll U 44 50 A=ABUNDANT 1 D PLANKTON D SUBMERGED D FLOATING-LVD. D GRAMINOID D FORB D LICHEN D LICHEN D BRYOPHYTE D BRYOPHYTE D BRYOPHYTE D MIXED PLANT FORM CODE: CUM 0=NONE 1=0%<CVR≤10% 2=10<CVR≤25% 3=25<CVR≤60% 4=CVR>60% 25 - 5025 - 5025 - 50MATURE POLYGON: UTMZ CODE: CODE: CODE: CODE: CODE: II. 0=OCCASIONAL Nov-81 JEGETATION TYPE: Gray Deguood Cultural Thicket Type 40-24 10 - 2410 - 24HISTORY COVER MID-AGE **G-CULTURAL** D NATURAL OPEN SHRUB TREED DEPTH TO MOTTLES/GLEY DATE: DEPTH OF ORGANICS: DEPTH TO BEDROCK: R=RARE D LACUSTRINE D RIVERINE D RIVERINE D CALLEY SLOPE D VALLEY SLOPE P TABLELAND D CALLEY SLOPE D CALLAND D CALLY D CALLEY D CALLAND D CALLUS D TOPOGRAPHIC FEATURE SA.M. END:/202 <10 <10 <10 SITE: Cedy M. - The X YOUNG N=NONE CVR 3 Evidence of Disturbance / Notes 4 3 COMMUNITY CLASSIFICATION: DESCRIPTION & START: 309 SURVEYOR(S): SUBSTRATE D ACIDIC BEDRK MINERAL SOIL D BASIC BEDRK D CARB. BEDRK D PARENT MIN. 43 PIONEER 2-6 D ORGANIC HOMOGENEOUS / VARIABLE POLYGON DESCRIPTION 片 + STAND DESCRIPTION: INCLUSION COMPLEX SIZE CLASS ANALYSIS: STAND COMPOSITION: COMMUNITY SERIES: UNDERSTOREY COMMUNITY CLASS: SUB-CANOPY GRD. LAYER STANDING SNAGS: DEADFALL/LOGS: ABUNDANCE CODES: SOIL ANALYSIS: CANOPY WATER D'SURFICIAL DEP CI OPEN WATER COMMUNITY LAYER D TERRESTRIAL COMM. AGE: ELC SYSTEM CVR CODES: D WETLAND SITE **D BEDROCK** HT CODES: D AQUATIC VIOISTURE: TEXTURE: ECOSITE:

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Ð Or ComBrek En Grey Agus Au Ribes amer. False Sol seal Run. Strawb. stron b. Bd Z19 Zag Ob Agrimony Howth, sp. BIR Rusp. Calleo Virg. Crueper C. aroti c. Int. Gourn Namy Be H S I J

Stone pile E-421141 N-4717453 N-4717453 Bphidoso 103293,294

Ba/Or/Be

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Writesource/Internal Info and Teams/FIELD FORMS/Vegetation/ELCtelc-woodland-wildlife-habitat/form.dox/ (DERIVED FROM LEE ET AL., 1988)

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| Date | : N | 0 v. { | 3/11 | | | | | Field | Personnel: | | 14 | lor P S.A | . M. |
| Weather Conditions: | TE | EMP (| | | WIN 2 | ID: | | | DUD: 70 | | PPT: | <u> </u> | PPT (in last 24 hrs): |
| ELC Polygon: # | - | | | | | | | | -Physical; v polygon <i>(in</i> | | | iture | |
| Reptile / Bat Hiber | | | | [i.e. bridy Con □-Y [i.e. | (* / IN / features the ge abutment tains pot (* / IN / karst topo | / D-Ur nat wou nts or c tential / D-Ur graphy, | hknow Id prov ulverts bat hi hknow | n, no acce ide a route with cracks bernacula | /entry points features? ess (*if yes, | descri , includi , expose | ng buried ed rock cre | concrete vices or | or rock (e.g. foundations inactive animal burrows) |
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| POTENTIAL BAT RO UTM | OOSTING Tree II | [i.e | e. tall tre | es wi) IDI | ith open | surrou | Inding | s, DBH >2 | describe in 5cm, side-f lass (1-5) | facing | | | gh in tree] t and Type of Cavities |
| Stick Nests: | | | | | ntains lar Y* / 🖾-N / | | | | ess (*if yes, | descri | be in tab | le belov | v) |
| STICK NEST(S) IDEN | TIFIED | | | | | 1 | | 1 | | | | | |
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| | DESCRIPTION & START CLASSIFICATION POLYGON DESCRIPTIO | | - 1-11 | | | | 14 M | | POLYGC | - 24 | | | | and the second s | | T |
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| | | | BOTTOMLAND | CULTURAL | D SUBMER | GED DF | OND | | 1 | 2 3 | | | 1 | | - | COLL. |
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W:/resource/Internal Info and Teams/FIELD FORMS/Vegetation/EICtiefc-woodland-wild/fife-habitat-form.dox / (DERIVED FROM LEE ET AL., 1998)

| Stantec | Stantec Consul 1 – 70 Southgate Guelph, ON Canada N1G 4f Tel: (519) 836-6 Fax: (519) 836-2 | e Drive P5 050 | | | | | odland & Wild Assessmen | |
|--|---|--|--|---|--|--|---|---|
| Project Number | Tile 4 | | | | Proj | ect Name: | cedar Pt. | |
| Date | Nov-81 | / 1 | | | Field F | - Personnel: _ | 3.A.M. | |
| Weather Conditions: | TEMP (°C | | WIND: | | CLOL GO | ID: -70 | PPT: | PPT (in last 24 hrs): |
| ELC Polygon: #3 | - | | | | | | alk through feature licate on map) | |
| Reptile / Bat Hiber | | [i.e. f bridg Cont □-Y [i.e. l | ieatures that wo e abutments or tains potentia * / I-N / I-U carst topography | nknowr uld prov culverts I bat hił nknowr | n, no acces ide a route un with cracks/o pernacula for n, no acces | es (*if yes, c nderground, i entry points, eatures? es (*if yes, c | lescribe in table below ncluding buried concrete | or rock (e.g. foundations, inactive animal burrows)] |
| POTENTIAL HIBERI | NACULA FEATU | | the second s | n | | Photo No. | Snn Observe | d Using Feature |
| 420689/47776 | 36 Reck Pi | and the second sec | ure Descriptio | <u>u</u> | | 103279 | spp. Observe | a comg r cature |
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| Bat Roosting Feat | □-Y [i.e. DOSTING FEAT | * / 0-N / 0- tall trees wi URE(S) IDE free Spp. | NTIFIED | access undings to No. | s (*if yes, d s, DBH >25 Decay Cli | icm, side-fa | icing cavities ~10m hi | gh in tree] at and Type of Cavities |
| Stick Nests: | | Q-Y | * / Q-N / Q-U | Inknow | n, no acces | ss (*if yes, d | describe in table below | N) |
| STICK NEST(S) IDEN | 1 | | | | | | | ITT - Tradema |
| UTM | Tree | ID | Tree Spp. | | Nest Size | Photo No | . Spp. Observe | ed Using Feature |
| Seeps/Springs/Ver | | Q -Y | 1 | | | | describe in table below | |
| UTM | Feature N | lo. & Type | Feature Size (Diameter) | Wa | ter Depth | Photo No. | Sub/Emergent Veg. Spp. Present? | Shrubs/ Logs at Edge Present? |
| | | | | | | <u> </u> | 1 | 1 |
| SPECIES & HABITA Wood Frog Gray Squ SOSP - V DOWO- | $\frac{1 \text{ OBSERVATIO}}{-OB}$ $\frac{-OB}{10}$ \sqrt{O} | DNS (list spec | cies and type o | of obser | vation & in | dicate on m | ap) | |

| ELC | SITE: Tile 5 | |
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| | POLYGON: 1) 12 | |
| Plant Species | DATE: Nov. 9/11 | į |
| List | SURVEYOR(S): SAM | • |

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER ABUNDANCE CODES: R = RARE 0 = OCCASSIONAL A = ABUNDANT D = DOMINANT

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LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER ABUNDANCE CODES: R = RARE 0 = OCCASSIONAL A = ABUNDANT D = DOMINANT

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| | DESCRIPTION & START 344 | POLYGON DESCRIPTION SYSTEM SUBSTRATE | + | DITERRESTRIAL DORGANIC DWETLAND DAMINERAL SOIL | SITE LI BASIC BEUKK. D OPEN WATER D CARB. BEDRK. MATER WATER D CARB. BEDRK. | DESURFICIAL DEP. | STAND DESCRIPTION: | 토 | CANOPY | 3 UNDERSTOREY 4 | | C=NONE | STAND COMPOSITION: | SIZE CLASS ANALYSIS: | STANDING SNAGS: | DEADFALL/LOGS: | COMM. AGE: PIONEER | SOIL ANALYSIS: | TEXTURE: | MOISTURE: | HOMOGENEOUS / VARIABLE | COMMUNITY CLASSIFICATION: | COMMUNITY CLASS: | COMMUNITY SERIES: | ECOSITE: VEGETATION TYPE: Dry-Mo15+0 (A | | | COMPLEX |

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| Project Number: | Tile | \$5 | | | | Proj | ect Name: | Cedar P) | | |
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| Bat Roosting Feature | | | with open | surrou | ndings | s (*if yes, d s, DBH >25 | cm, side-fa | able below) acing cavities ~ No. of Cavities | | gh in tree] t and Type of Cavities |
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| SEEP / SPRING / VER UTM | 1 | L FEATURE(S ure No. & Typ | Footure | Size | Wa | ter Depth | Photo No. | Sub/Emerger Spp. Press | | Shrubs/ Logs at Edge Present? |
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| SPECIES & HABITAT | T OBSERVA | ATIONS (list s | pecies and | type of | obser | vation & in | dicate on m | ap) | | |

| 1941 - 3 | | 4.M. | 3=UNDERSTOR | | COLL. SPECIES CODE 1 2 3 4 COLL. | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Quality Control: This form is complete D & learble D | Signature: | (Project Manager) |
|----------------|----------------------------------|----------------------------------|---|------------------------|----------------------------------|-------------------------|------------------|---------------|---------------------------|------|------------------|------------|--------------------|---------------------------------------|-------------------------|---------------|-------------|--------------------------|---|--|--------------------|----------------------|-----------------|-------------------------------------|----------------------------|--------------------|----------------|-----------------------|-----------|------------------------|---------------------------|------------------|-------------------|------------------------------|--------------------------------|--|--------------------|----------------------------------|
| | POLYGON: | & DATE: UALE: UN SURVEYOR(S): S. | LAYERS: 1=CANOPY>10m 2=SUB-CANOPY ABUNDANCE CODES: N=NONF R=RAPF C | SPECIES CODE LAYER | 1 2 3 4 | 6ray Regud- b D | Im m | Red Osper 0 | Nannypoury O | 6 nd | 00 | Relevant C | Arr | Eulmanne n | selfiteel 0 | Alphoneny 0 | | | | | | | | | | | | | | | | | | | | | Signature: Art 3 m | (Field Personnel) |
| POLYGON: | /11 | 3 | PLANT FORM COMMUNITY | Ē | | D STREAM | D LICHEN D SWMAP | | | | <u> </u> | I FOREST | | 1.004 | THAN; = ABOUT EQUAL TO) | | Narnyberry | Smooth Gol | B=0.5 <htstm b="0.5</th"><th></th><th>lq BA:</th><th>25-50 >50</th><th></th><th>25 - 50 >50 25 - 50 \creater >50</th><th>A=ABUNDANT</th><th>MATURE OI D GROWTH</th><th></th><th></th><th>1 4</th><th>1/4 (cm)</th><th></th><th>CODE: CU</th><th>0</th><th></th><th>CODE: CUT1-4</th><th>CODE: Page</th><th>Siç CODE:</th><th></th></htstm> | | lq BA: | 25-50 >50 | | 25 - 50 >50 25 - 50 \creater >50 | A=ABUNDANT | MATURE OI D GROWTH | | | 1 4 | 1/4 (cm) | | CODE: CU | 0 | | CODE: CUT1-4 | CODE: Page | Siç CODE: | |
| Cedar Pt Files | | y El bonny ytte | | D LACUSTRINE D NATURAL | | | | I TALUS | | ÷. | | | | CVR SPECIES IN ORDER OF DECREASING DO | _ | Sate As < SMI | | CHAR CLUSTER OF OF PAPOR | 2=10 <ht225m 3="2<HT<10m" 4="1<HT22m" 5="0.5<</td"><td>0=NONE 1=0%<cvr≤10% 2="10<CVR≤25%" 3="25<CVR≤60%" 4="CVR">60%</cvr≤10%></td><td>/ 4</td><td>< 10 10 - 24</td><td><10 10 24</td><td></td><td>N=NONE R=RARE 0=OCCASIONAL</td><td>X YOUNG MID-AGE</td><td>-</td><td>DEPTH TO MOTTLES/GLEY</td><td></td><td>DEPTH TO BEDROCK:</td><td>ON:</td><td>ŏ</td><td>ö</td><td></td><td>cultural Thicket</td><td>0</td><td></td><td></td></ht225m> | 0=NONE 1=0% <cvr≤10% 2="10<CVR≤25%" 3="25<CVR≤60%" 4="CVR">60%</cvr≤10%> | / 4 | < 10 10 - 24 | <10 10 24 | | N=NONE R=RARE 0=OCCASIONAL | X YOUNG MID-AGE | - | DEPTH TO MOTTLES/GLEY | | DEPTH TO BEDROCK: | ON: | ŏ | ö | | cultural Thicket | 0 | | |
| ELC SITE: | COMMUNITY DESCRIPTION & TABT. | CLASSIFICATION 21AN 0824K | SYSTEM SUBSTRATE | DERRESTRIAL DORGANIC | D WETLAND STMINERAL SOIL | D AQUATIC D PARENT MIN. | D ACIDIC BEDRK | D BASIC BEDRK | DOPEN WATER D CARB. BFDRK | 1000 | DESURFICIAL DEP. | LI BEUROCK | STAND DESCRIPTION: | LAYER HT | 1 CANOPY 3 | SIIE-CANOBY | UNDERSTOREY | - | | CVR CODES: 0=NONE | STAND COMPOSITION: | SIZE CLASS ANALYSIS: | STANDING SNAGS: | DEADFALL/LOGS: | ABUNDANCE CODES: | COMM. AGE: PIONEER | SOIL ANALYSIS: | TEXTURE: | MOISTURE: | HOMOGENEOUS / VARIABLE | COMMUNITY CLASSIFICATION: | COMMUNITY CLASS: | COMMUNITY SERIES: | ECOSITE: VEGETATION TVBE. | CONTRACTOR LIFE: Oray Dog wood | INCLUSION | COMPLEX | Evidence of Disturbance / Notes: |

W:/resource/Internal Info and TeamsIFIELD FORMSIVegetationIELC/telc-woodiand-wild/ife-habitat-form.dox/ (DERIVED FROM LEE ET AL., 1988)

| Q-Y [i.e. 1 | ntire / @Parti | Field CLC 7/ e, no access / 🗹 | | Oeder Pt. S.A.M. PPT: | PPT (in last 24 hrs) |
|--|---|--|--|---|---|
| 9 / Ŋ AP (°C): 5 sment Type: □-V of Feature: □-E eatures: Con □-Y [i.e. | /isual; roadside intire / @Parti tains potential | Field CLC 7/ e, no access / 🗹 | d Personnel: | S.A.M. PPT: | PPT (in last 24 hrs) |
| AP (°C): 5 5 5 5 5 5 5 5 5 5 5 5 5 | /isual; roadside intire / @Parti tains potential | e, no access / 🗹 | - :DUD: 2 | PPT: | PPT (in last 24 hrs) |
| Sment Type: □-\ of Feature: □-E eatures: Con □-Y [i.e. | /isual; roadside intire / @Parti tains potential | e, no access / 🛙 | 2 | ~ | PPT (in last 24 hrs) |
| of Feature: □-E eatures: Con □-Y [i.e. | ntire / @Parti | | Physical; w | | |
| Q-Y [i.e. 1 | tains potential | | polygon (ind | |) |
| Con -Y [i.e.] | * / D-N / D-Un features that wou ge abutments or c tains potential * / D-N / D-Un carst topography. | nknown, no acce ald provide a route culverts with cracks bat hibernacula nknown, no acce | ess (*if yes, c underground, i s/entry points, c features? ess (*if yes, c | lescribe in table be ncluding buried conce exposed rock crevices | rete or rock (e.g. foundations or inactive animal burrows) |
| | and the second se | | | | |
| Feat | ure Description | <u>a</u> | Photo No. | Spp. Obser | rved Using Feature |
| [I.e. tall trees with | h open surrou NTIFIED | indings, DBH >2 | 5cm, side-fa | cing cavities ~10m | high in tree] ight and Type of Cavities |
| Coni | tains large stic * / IMP-N / ID-I In | k nests? | es (*if ves d | escribe in table be | loui |
| | | 1010001, 110 2000 | 55 (11 yes, u | escribe in table be | 10W) |
| Tree ID | Tree Spp. | Nest Size | Photo No. | Spp. Obser | rved Using Feature |
| Q -Y* | / 🖾 - N / 🖵 - Un | rings/vernal pool known, no acces | ls? ss (*if yes, de | escribe in table bei | low) |
| | | Water Depth | Photo No. | Sub/Emergent Ve Spp. Present? | g. Shrubs/ Logs at Edge Present? |
| TIONS (list speci | es and type of | observation & in | dicate on ma | 2) | |
| | [1.e.] EATURE(S) IDE Feat Contains potent □-Y* / I-N / □- [i.e. tall trees wit EATURE(S) IDE Tree Spp. Cont □-Y ⁴ Free ID : Cont □-Y ⁴ . FEATURE(S) II tre No. & Type | [1.e. karst topography EATURE(S) IDENTIFIED Feature Description Contains potential bat roosting □-Y* / □-N / □-Unknown, no [i.e. tall trees with open surrou EATURE(S) IDENTIFIED Tree Spp. DBH Phote □ □ Contains large stic □-Y* / □-Y* / □-Vn Tree Spp. Contains seeps/sp □-Y* / □-Y* / □-Vn Free ID Tree Spp. □-Y* / □-Y* / □-Vn Free ID Tree Spp. □-Y* / □-Y* / □-Vn Feature Size (Diameter) | [1.e. karst topography, abandoned mines EATURE(S) IDENTIFIED Feature Description Contains potential bat roosting features? □-Y* / □-Unknown, no access (*if yes, [i.e. tall trees with open surroundings, DBH >2 EATURE(S) IDENTIFIED Tree Spp. DBH Photo No. Decay C Contains large stick nests? □-Y* / □-Unknown, no acces Contains large stick nests? □-Y* / □-Vnknown, no acces Contains seeps/springs/vernal poo □-Y* / □-Vnknown, no acces FEATURE(S) IDENTIFIED IDENTIFIED Tree Spp. Nest Size □-Y* / □-N / □-Unknown, no acces FEATURE(S) IDENTIFIED Ire No. & Type Feature Size (Diameter) Water Depth | [1.e. karst topography, abandoned mines or caves] EATURE(S) IDENTIFIED Feature Description Photo No. Contains potential bat roosting features? □-Y* / \$0-N / □-Unknown, no access (*if yes, describe in tagle. tall trees with open surroundings, DBH >25cm, side-facter. EATURE(S) IDENTIFIED Tree Spp. DBH Photo No. Decay Class (1-5) N Contains large stick nests? □-Y* / \$0-N / □-Unknown, no access (*if yes, description in the second se | EATURE(S) IDENTIFIED Feature Description Photo No. Spp. Observation Contains potential bat roosting features? Photo No. Spp. Observation P.Y* / \$\vee A-N / \$\overline -Unknown, no access (*if yes, describe in table below) [i.e. tall trees with open surroundings, DBH >25cm, side-facing cavities ~10m EATURE(S) IDENTIFIED Tree Spp. DBH Photo No. Decay Class (1-5) No. of Cavities He Contains large stick nests? Photo No. Decay Class (1-5) No. of Cavities He Contains large stick nests? Photo No. Decay Class (1-5) No. of Cavities He Contains large stick nests? Photo No. Spp. Observation Photo No. Spp. Observation Contains large stick nests? Photo No. Spp. Observation Spp. Observation Contains seeps/springs/vernal pools? Photo No. Spp. Observation Contains seeps/springs/vernal pools? Photo No. Sub/Emergent Vertice FEATURE(S) IDENTIFIED Sub/Emergent Vertice Sub/Emergent Vertice |

| | | Signature: (Project Manager) |
|---|--|---|
| ELC SITE: POLYGON: COMMUNITY DESCRIPTION & BATE: CLASSIFICATION SURVEYOR(S): | LAYERS: 1=CANOPY-10m ABUNDANCE CODES: N=NONE REPCIES CODE TAYER REPCIES CODE TAYER REPCIES REPCIES CODE TAYER REPCIES R | Signature: A. A. M. W. (Field Personnel) |
| POLYGON: 23 | Teroscrathic ERATTIRE HISTORY PLANT FORM COMMUNITY TERVERINE BODINAND BOTORIAND BOTORIAND TREERACE VALLE'SLOFE FORME TAUES MATURAL FLOATINGLYO BODINAND CUT TREERACE CONTENSIONE FORME CUT TAUES PLANTFORM PLANTFORM DIAGE CONTENSIONE BODINE BERNAND CUT TAUES PLANTFORM PLANTFORM DIAGE CONTENSIONE BERNAND CUT TAUES DIAGE CONTENSIONE BERNAND CUT TAUES DIAGE CONTENSIONE BERNAND CUT TAUES DIAGE CONTENSIONE BERNAND CUT TAUES DIAGE CONTENSIONE BERNAND CUT TAUES DIAGE CONTENSIONE BERNAND CUT TAUES DIAGE CONTENSIONE DERVERTING CONTENSIONE BERNAND ATAUES DIAGE CONTENSIONE DERVERTING CONTENSIONE BERNAND ATAUES DIAGE CONTENSIONE DERVERTING CONTENSIONE CONTENSIONE DERVERTING CONTENSIONE CONTENSIONE DERVERTING CONTENSIONE CONTENSIONE DERVERTING CONTENSIONE CONTENSIONE CONTENSIONE CONTENSIONE CONTENSIONE DERVERTING CONTENSIONE CONTENSI | |
| R(S): H | RATE L Soll MIN. MIN. MIN. MIN. MIN. MIN. MIN. MIN. | |
| ELC SITE: C COMMUNITY COMMUNITY CLASSIFICATION CLASSIFICATION | | COMPLEX Evidence of Disturbance / Notes: |

W/vesource/internal info and Teams/FIELD FORMS/vegetation/ELC/elc-wood/and-wild/ife-habitat-form.doox / (DERIVED FROM LEE ET AL., 1998)

| Stantec | Stantec Consulting Ltd 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | | | | odland & W at Assessme | |
|--|--|--|---|---|--|---|--|
| Project Number: | Tile 5 | | | Pr | oject Name: | Cedar 1 | 27. |
| Date: | Nov.9/11 | | | Field | Personnel: | | |
| Weather Conditions: | TEMP (°C): | WIND: | | CLC 70 | | PPT: | PPT (in last 24 hrs): |
| ELC Polygon: # 3 | Assessment Type: | -Visual: roadsid | le no a | access / M | - Physical: w | alk through feature | |
| | stigation of Feature: | | | | | | |
| Reptile / Bat Hibern | | ontains potentia | | | | | |
| POTENTIAL HIBERNA | lı. bri Co | e. features that wo idge abutments or ontains potentia -Y* / 22N / Q-U e. karst topography | uld prov culverts I bat hi nknow | vide a route to with cracks bernacula n, no acce | nderground, /entry points, features? ss (*if ves. | describe in table be, including buried concre exposed rock crevices describe in table be | ete or rock (e.g. foundations or inactive animal burrows) |
| UTM | | ature Descriptio | n | | Photo No. | Spp. Obser | ved Using Feature |
| | | | | | | | |
| Without an and a second s | [i.e. tall trees v STING FEATURE(S) II Tree ID Tree Spp. | DENTIFIED | access undings | s ("If yes, c s, DBH >25 Decay Cl | ōcm, side-fa | acing cavities ~10m | high in tree] ght and Type of Cavities |
| Stick Nests: | Cc D- | ontains large stic | ck nest | s? | c /*if yoo | lescribe in table bel | |
| STICK NEST(S) IDENT | IFIED | | INTOW | 1, 110 acces | 55 (11 yes, c | lescribe in lable per | ow) |
| UTM | Tree ID | Tree Spp. | | Nest Size | Photo No. | Spp. Obser | ved Using Feature |
| | | |] | | <u> </u> | 1 | |
| Seeps/Springs/Verna | _ | ntains seeps/sp Y* / ⊠2N / ❑-Ur | rings/v nknowr | ernal pool | s? is (*if yes, a | lescribe in table belo | ow) |
| | AL POOL FEATURE(S) | | 1 | | | | |
| UTM | Feature No. & Type | Feature Size (Diameter) | Wat | er Depth | Photo No. | Sub/Emergent Veg Spp. Present? | . Shrubs/ Logs at Edge Present? |
| DECIDO A VILDER | | | 1 | | | | |
| PECIES & HABITAT C | DBSERVATIONS (list spo | ecies and type of | observ | ation & ind | licate on ma | ıp) | |
| | | | | | | | |
| A=carcass: DP=distinctive | parts: FF=feeding evidence: | Fat 1 and | | | | | |

| -Tiles | 4/14 | S-A.M. | DPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER O=OCCASIONAL A=ABUNDANT D=DOMINANT | COLL. SPECIES CODE LAYER COLL. | 4 % N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Quality Control:This form is complete 🛛 & legible 🗇. | Signature: (Project Manager) |
|----------------------|---------------------------------------|--------------|---|--------------------------------|-------|-------------------------|----------------|-----------------------------|----------------------------|------------|-----------------------|--------------------|-----------------------------------|-------------------------------|---------------|----------------------|----------------------|----------------------|--|---------|--------------------|----------------------|-----------------|----------------|----------------------------|--------------------|----------------|-----------------------|--------------------|------------------------|---------------------------|------------------|-------------------|------------|-------------------------------|--|--|
| ELC SITE: Cedar Bint | COMMUNITY DESCRIPTION & DATE: NOU- | surveyor(s): | LAYERS: 1=CANOPY>10m 2=SUB-CANOPY ABUNDANCE CODES: N=NONE R=RARE C | SPECIES CODE LAYER | 2 | | Basswood O | Shaffork Aichow 0 | 1/2 1/10/1 | Red Rasp. | ~ | lar around | | N. Lody Fern | Agrimeny | Grape | Run Strawb bus 2 | 2141400 | Bisnly | Geam sp | Ribes an ericanam. | Crey legress | | | | | | | | | | | | | | Page_of_ A Ana | Signature: (Field Personnel) |
| | 9/ 11 UTME:418803 | | PLANT FORM COMMUNITY | | | | | | | D SAVANNAH | I WOODLAND RFOREST | | DECREASING DOMINANCE | EATER THAN; = ABOUT EQUAL TO) | ASh> Basswood | > Nann | lanna > Corex actata | | .5 <ht≤1m 6="0.2<HT≤0.5m" 7="HT<0.2m</th"><th></th><th>BA:</th><th>A 25-50 N >50</th><th>K 25-50 A >50</th><th>N</th><th>VAL A=ABUNDANT</th><th>MATURE OLD GROWTH</th><th></th><th>g= 47 G= 7120</th><th>(cm)</th><th>>/20 (cm)</th><th></th><th>CODE: FO</th><th>CODE: FOD</th><th>CODE: FOD7</th><th>CODE: FOD7-1</th><th>CODE:</th><th>CODE:</th></ht≤1m> | | BA: | A 25-50 N >50 | K 25-50 A >50 | N | VAL A=ABUNDANT | MATURE OLD GROWTH | | g= 47 G= 7120 | (cm) | >/20 (cm) | | CODE: FO | CODE: FOD | CODE: FOD7 | CODE: FOD7-1 | CODE: | CODE: |
| or Pt. Tile 5 | S. J. N. DATE: NOV. | 20 | | D LACUSTRINE | | | | D TALUS D CREVICE / CAVE | OP | | ID BLUFF | | SPECIES IN ORDER OF DECREASING DO | (>>MUCI | Niteh Swhite | Gray begwood > white | Ner | Geensp > Paisan Ny > | 2=10 <ht<25m 3="2<HT<10m" 4="1<HT<2m" 5="0.5<HT<1m" 6="0.2<HT<br">1=0%<c 2="10<C/VB<25%" 3="25.5<U</td" vb<10%=""><td></td><td>n/4</td><td>0 <10 A 10-24</td><td>U <10 R 10-24</td><td>0</td><td>N=NONE R=RARE 0=OCCASIONAL</td><td>YOUNG X MID-AGE</td><td></td><td>DEPTH TO MOTTLES/GLEY</td><td>DEPTH OF ORGANICS:</td><td>DEPTH TO BEDROCK:</td><td></td><td></td><td></td><td></td><td>Deciduous Forest</td><td></td><td></td></c></ht<25m> | | n/4 | 0 <10 A 10-24 | U <10 R 10-24 | 0 | N=NONE R=RARE 0=OCCASIONAL | YOUNG X MID-AGE | | DEPTH TO MOTTLES/GLEY | DEPTH OF ORGANICS: | DEPTH TO BEDROCK: | | | | | Deciduous Forest | | |
| ELC SITE: Ceder | DESCRIPTION & START 0 2 9 | CRIPTION | SYSTEM SUBSTRATE | RIAL | 0 | D AQUATIC D PARENT MIN. | D ACIDIC BEDRK | SITE DASIC BEDRK. | DOPEN WATER D CARB. BEDRK. | WATER | D BEDROCK | STAND DESCRIPTION: | | LAYER HT CVR | 3-3 | SUB-CANOPY | 5 | LAYER 6-7 | HI CODES: 1=>25m 2=10 CVR CODES: 0=NONF 1=0 | | STAND COMPOSITION: | SIZE CLASS ANALYSIS: | STANDING SNAGS: | DEADFALL/LOGS: | ABUNDANCE CODES: | COMM. AGE: PIONEER | SOIL ANALYSIS: | CL | MOISTURE: | HOMOGENEOUS / VARIABLE | COMMUNITY CLASSIFICATION: | COMMUNITY CLASS: | COMMUNITY SERIES: | ECOSITE: | VEGELATION TYPE: FIESA- FUELS | INCLUSION | COMPLEX Evidence of Disturbance / Notes |

W/tesource/internal info and Teams/FIELD FORMS/Vegetation/ELC/elc-wood/and-wild/ife-habitat-form.dox/ (DERIVED FROM LEE ET AL., 1999)

| Stantec | Stantec Consulti 1 – 70 Southgate Guelph, ON Canada N1G 4P5 Tel: (519) 836-605 Fax: (519) 836-24 | Drive | | | 1707 PC 1 | odland & t Assessr | | |
|--|---|---|----------------------------------|---|---|---|--------------------|---|
| Project Number: | Tile 5 | | | Pro | ject Name: | Cedarpo | L. | |
| Date | Nov.9 | 111 | | Field | Personnel: | Cedarft 5.A, | n. | |
| Weather Conditions: | TEMP (°C): 15 | | WIND: | CLC | UD: 70 | PPT: | | PPT (in last 24 hrs): |
| ELC Polygon: # 4 | Assessment T | ype: 🛛-Vi | sual; roadside | e, no access /) | Physical; w | alk through feat | ure | |
| Reptile / Bat Hiberi | nacula Features | □-Y* [i.e. fe bridge Conta □-Y* | abutments or c ains potential | reptile hibernac hknown, no acce ld provide a route i ulverts with cracks bat hibernacula hknown, no acce abandoned mines | ss (*if yes, c inderground, i /entry points, features? ss (*if yes, c | lescribe in table ncluding buried c exposed rock crev | oncrete ices or | or rock (e.g. foundations, inactive animal burrows)] |
| POTENTIAL HIBERN | ACULA FEATUR | | | | 1 | 1 | | |
| UTM | | Featu | re Description | 1 | Photo No. | Spp. O | bserve | d Using Feature |
| POTENTIAL BAT RO UTM | [i.e. ta OSTING FEATU | I trees with | h open surrou | access (*if yes, ndings, DBH >2 | 5cm, side-fa | | | gh in tree] t and Type of Cavities |
| Stick Nests: | | | ains large stic | k nests? hknown, no acce | ss /*if ves (| describe in table | e helov | N() |
| STICK NEST(S) IDEN | TIFIED | | | ikilowii, no acce | 33 (<i>II y</i> C3, C | | 5 50101 | •/ |
| UTM | Tree ID | | Tree Spp. | Nest Size | Photo No | . Spp. C | bserve | ed Using Feature |
| Seeps/Springs/Ver SEEP / SPRING / VER | | □ -Y* | / 👰 - N / 🖵 - Ur | brings/vernal poo hknown, no acce | | lescribe in table | e belov | v) |
| UTM | Feature No. | 1 | Feature Size (Diameter) | Water Depth | Photo No. | Sub/Emergen Spp. Prese | | Shrubs/ Logs at Edge Present? |
| SPECIES & HABITAT | OBSERVATION | S (list speci | ies and type of | i observation & i | l ndicate on m | ap) | | |

| ELC SITE: Coder PH. | MTHE 5 | | POLYGON: | 3 | ELC SITE: | | Г |
|--|---|----------------------------|--|--------------------------|---|--|----|
| | S-A.M. DATE: | Nov. | 11/6 | UTME:41874 | | | 1 |
| DESCRIPTION & STARTOG A | END YOSCH | | UTMZ: 177 | UTMN: 78004 | COMMUNITY DESCRIPTION & DATE: CLASSING SUBVEVODES. | | TT |
| POLYGON DESCRIPTION | | | | | 1 | | - |
| | | HISTORY | PLANT FORM | COMMUNITY | LAYERS: 1=CANOPY>10m 2=SUB-CANOPY ABUNDANCE CODES: N=NONE R=RARE C | (3=UNDERSTOREY 4=GROUND (GRD.)LAYER O=OCCASIONAL A=ARUNDANT D=DOMINANT | |
| RIAL | D LACUSTRINE TANAT | MATURAL | D PLANKTON | D LAKE | LAYER | ES CODE LAYER | - |
| D WETLAND MINERAL SOIL | | D CULTURAL | E FLOATING-LVD. | | 1 2 3 4 | | |
| D AQUATIC D PARENT MIN. | | | | D STREAM | | | - |
| D ACIDIC BEDRK. | D ROLL. UPLAND | | | D SWMAP | | | |
| DI BASIC BEDRK. | | | I CONIFEROUS | D BOG | | | - |
| TI OPEN WATED TI CARB BENRK | 00 | ER | D MIXED | D MEADOW | | | - |
| | D ROCKLAND D SHRUB | CB CB | | | | | - |
| H SURFICIAL DEP | | ED | | D SAVANNAH D WOODLAND | | | |
| L PLPACCA | | | ` | CFOREST | | | - |
| STAND DESCRIPTION: | | | | | | | |
| LAYER HT CVP | | ORDER OF D | SPECIES IN ORDER OF DECREASING DON | OMINANCE | | | |
| | (>>MUCF | 'HAN; >GRE | ATER THAN; = AB | ABOUT EQUAL TO) | | | |
| CANOPY | the 6 m | Ash | > Bus sweed > Shagbert Hic | agbork Hickory | | | |
| _ | book | Buc | THORN > NANY | | | | |
| UNDERSTOREY | Callco Aster > R | > Raspherry | 57 | anna | 1 Charles 1 | | |
| LAYER 7-0 | Running Strawb. bush > | bush> 5 | Self Heal > 49 | Arimony | 111 40 | | |
| HI CODES: 1=>25m 2=10 CVR CODES: 0=NONE 1=0 | 2=10 <ht<25m 3="2<HT<10m" 4="1<HT<27m" 5="0.5<HT<1m" 7="HT<0.2m<br" 8="0.2<HT<0.5m">1=0%<cvtr<10% 2="10<CVTR<55%" 3="25<CVDecenox" 4="0<00000000000000000000000000000000000</th"><th><pre>cHT<2m 5=0.0</pre></th><th>5<hts1m 6="0.2<HTS</th"><th>0.5m 7=HT<0.2m</th><th></th><th></th><th></th></hts1m></th></cvtr<10%></ht<25m> | <pre>cHT<2m 5=0.0</pre> | 5 <hts1m 6="0.2<HTS</th"><th>0.5m 7=HT<0.2m</th><th></th><th></th><th></th></hts1m> | 0.5m 7=HT<0.2m | | | |
| | | | | | | | |
| STAND COMPOSITION: | | h /9 | | BA: |)) | | |
| SIZE CLASS ANALYSIS: | O <10 A | 10-24 | A 25-50 | <u>N</u> >50 | | | |
| STANDING SNAGS: | <10 0 | 10 24 | | N/ | | | |
| DEADFALL/LOGS: | 0 | 10-24 | 0 25 50 | 09~ // | | | |
| ABUNDANCE CODES: | RARE | 0=OCCASIONAL | - | | | | |
| COMM. AGE: PIONEER | YOUNG NID-AGE | D-AGE | MAT | OI D GROWTH | | | |
| SOIL ANALYSIS: | | | | | | | |
| CL | DEPTH TO MOTTI ES/CI EV | | 03 | ~14~ | | | |
| MOISTURE: 5 | DEPTH OF ORGANICS. | | 2 | | | | |
| HOMOGENEOUS / VARIABLE | DEPTH TO BEDROCK: | | 61 | (cm) | | | |
| COMMUNITY CLASSIFICATION: | | | 6 | | | | |
| COMMUNITY CLASS: | | | CODE: E0 | | | | |
| COMMUNITY SERIES: | | | | 0 | | | |
| ECOSITE: | | | | 07 | | | |
| VEGETATION TYPE: Fresh-Maist Low | land white fore st | TYDE C | | 1-20 | | | |
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| COMPLEX | | | oue. | | Sig | Quanty Control: I nis form is complete 🗆 & legible 🗖. | |
| Evidence of Disturbance / Notoc: | | ŏ | CODE: | | | | |
| | | | | | (Freid Personnei) | (Project Manager) | |

Writesourcelinternal Info and TeamskFIELD FORMSNegetation/ELCtelc-woodland-wildlife-habitat-form.dox/ (DERIVED FROM LEE ET AL., 1998)

| Stantec | | I1G 4P5 836-6050 | | | | | | | dland & Assess | | |
|---|---------|---|--|--|--|---|--|---------------------------------|---|---------------------|--|
| Project Number: | Tile | 5 | | | | Pro | oject Name | e: | Cec | lov | þt. |
| Date: | Nov | .9/11 | | | | Field | Personnel | l: | S-A | 4. M | (|
| Weather Conditions: | TEM | P (°C): | WIN | ID:) | | CLO | ud: 70 | | PPT: | | PPT (in last 24 hrs): |
| ELC Polygon: # 5 Extent of Physical Inve | | ment Type: □- of Feature: □- | | | | | | | | ture | |
| Reptile / Bat Hibern POTENTIAL HIBERN | | [i.e bric Co [i.e | Y* / D-N features the dge abutme ntains pot Y* / D-N / karst topo | Anat wor nat wor nats or tential Contial graphy | nknow uld prov culverts l bat hi nknow | vide a route u with cracks. bernacula | ss (*if yes, inderground entry points features? ss (*if yes, | , de l, inc s, exj | scribe in table Huding buried of posed rock crea scribe in table | oncrete vices or | or rock (e.g. foundations inactive animal burrows) |
| UTM | | | ture Desc | | n | | Photo No | 0. | Spp. O | bserve | d Using Feature |
| | | | | | | | | | | | a comprendere |
| Bat Roosting Featur | | Contains poter -Y* / AN / C [i.e. tall trees w EATURE(S) ID Tree Spp. | I-Unknow with open s | n, no surrou D | acces | s (*if yes, c | icm, side-i | facir | ng cavities ~ | | gh in tree] It and Type of Cavities |
| | 1 | | | | | | | | | | |
| Stick Nests: | | | ntains larç Y* / 🗭-N / | | | | ss (*if yes, | des | scribe in table | e belov | v) |
| STICK NEST(S) IDEN1 | | | | | | | | | | | |
| UTM | | ree ID | Tree | Spp. | | Nest Size | Photo No | 0. | Spp. O | bserve | d Using Feature |
| Seeps/Springs/Vern SEEP / SPRING / VERN | | Q-Y | Y*/)@GN/ | Q-Ur | orings/\ hknowi | vernal pool n, no acces | s? ss (*if yes, | des | cribe in table | e belov | v) |
| UTM | Featu | re No. & Type | Feature (Diamet | | Wat | ter Depth | Photo No | . 5 | Sub/Emergen Spp. Presei | | Shrubs/ Logs at Edge Present? |
| | | | | | <u> </u> | | | | | | |
| SPECIES & HABITAT (| JBSERVA | IIONS (list spe | cies and t | ype of | observ | vation & ind | licate on n | nap) | | | |

| | | | (3=UNDERSTOREY 4=GROUND (GRD.) LAYER O=OCCASIONAI 4=ARI INIDANT 0=DCASIONAI 4=ARI INIDANT 0=DCASIONAI | ES CODE | 1 2 3 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Quality Control: This form is commission & locity of | Signature: | (Project Manager) |
|-----------|--|-----------------------------|---|---------------------------|---------------------|--------------------|--------------------|------------------|------------|---------------------------------------|--------------------|-----------------------------------|--|-----------|--------------|--------------|---|---|--------------------|----------------------|-----------------|----------------|------------------|-------------|----------------|-----------------------|--------------------|------------------------|---------------------------|------------------|-------------------|------------------------------|---------------|--|--------------------|----------------------------------|
| ELC SITE: | Y s | CLASSIFICATION SURVEYOR(S): | LAYERS: 1=CANOPY>10m 2=SUB-CANOPY ABUNDANCE CODES: N=NONE R=RARE 0 | SPECIES CODE LAYER CC | - | | | | | | | | | V NOV VNV | 1 che 10 1 | 1 THEN | H. | | | | | | | | | | | | | | | | | Page_of | Signature: Ag & RM | (Field Personnel) |
| I D | UTME: 41 8818 UTMN: - 7-001 | 411/111 | COMMUNITY | D LAKE | D RIVER D STREAM | D MARSH D SWMAP | BOG | MEADOW | THICKET | LL SAVANNAH D WOODLAND D FOREST | I PLANTATION | MINANCE | UT EQUAL TO) | - | = Nany berry | mbleweed | ≤0.5m 7=HT<0.2m | | | >50 | 3 | >50 | ne< | OI D GROWTH | | | | (cm) | (ma) | | | | -4 | | | |
| POLYGON: | 9/11 UTMZ: 177 | - | PLANT FORM | D PLANKTON D SUBMERGED | GRAMINOID | | | | | | | ECREASING DOMIN | (>>MUCH GREATER THAN; >GREATER THAN; = ABOUT EQUAL TO) | | Dogwood | 714 | | | BA: | 25-50 | 25 EO | 25 - 50 | - | MAT | | | 1 4 | h / 9 | | CODE: CU | | CODE: CU 11 | CODE: CUT | cobe: | CODE: | |
| 5 | DATE: NW | - | HISTORY | DINATURAL | A COLI URAL | | | COVER | M SHRUB | ם ואבבט | | SPECIES IN ORDER OF DECREASING DO | TER THAN; >GRE | 0 | 1 Ked -09 | Pan icles | n 4=1 <ht<2m 5="0.5</td"><td>'R≤25% 3=25<cvr≤6< td=""><td>n/9</td><td>10-24</td><td>10-24</td><td>10-24</td><td>-</td><td>MID-AGE</td><td></td><td>s/GLEY de</td><td></td><td></td><td></td><td>00</td><td>8</td><td></td><td>ry pe thet</td><td></td><td>00</td><td></td></cvr≤6<></td></ht<2m> | 'R≤25% 3=25 <cvr≤6< td=""><td>n/9</td><td>10-24</td><td>10-24</td><td>10-24</td><td>-</td><td>MID-AGE</td><td></td><td>s/GLEY de</td><td></td><td></td><td></td><td>00</td><td>8</td><td></td><td>ry pe thet</td><td></td><td>00</td><td></td></cvr≤6<> | n/9 | 10-24 | 10-24 | 10-24 | - | MID-AGE | | s/GLEY de | | | | 00 | 8 | | ry pe thet | | 00 | |
| Cedar Pt | 5.4.M. | | TOPOGRAPHIC FEATURE | | D TERRACE | D ROLL. UPLAND | D CLIFF D TALUS | D CREVICE / CAVE | D ROCKLAND | D SAND DUNE | | - | - | 5 | Oray by wood | Marine Color | 2=10 <ht<25m 3="2<HT<10m" 4="1<HT<2m</td"><td>U=NUNE 1=D%<cvr<10% 2="10<CVR<25%" 3="25<CVR<60%" 4="CVR">60%</cvr<10%></td><td></td><td><10</td><td><10</td><td><10 <10</td><td>N=NONE R=RARE</td><td>X YOUNG</td><td></td><td>DEPTH TO MOTTLES/GLEY</td><td>DEPTH OF ORGANICS:</td><td>DEPTH TO BEDROCK:</td><td></td><td></td><td></td><td></td><td>wood cultural</td><td></td><td>1</td><td></td></ht<25m> | U=NUNE 1=D% <cvr<10% 2="10<CVR<25%" 3="25<CVR<60%" 4="CVR">60%</cvr<10%> | | <10 | <10 | <10 <10 | N=NONE R=RARE | X YOUNG | | DEPTH TO MOTTLES/GLEY | DEPTH OF ORGANICS: | DEPTH TO BEDROCK: | | | | | wood cultural | | 1 | |
| SITE: Ce | | CRIPTION | ATE | ILI URGANIC | | × Y | D BASIC BEDRK. | | | | TION: | HT CVR | + | 1 | 1.5 | 6-7 |] | U-NONE 1=0% | :NO | 'SIS: | | | Ň | PIONEER | | ā | | | SSIFICATION: | | | | ned | NON | EX | oance / Notes: |
| ELC | COMMUNITY DESCRIPTION & CLASSIFICATION | POLYGON DESCRIPTION | SYSTEM | | | | | | | DESURFICIAL DEP. | STAND DESCRIPTION: | LAYER | 1 CANODY | 0 | - | 4 GRD. LAYER | HT CODES: CVB CODES: | | STAND COMPOSITION: | SIZE CLASS ANALYSIS: | STANDING SNAGS: | DEADFALL/LOGS: | ABUNDANCE CODES: | COMM. AGE: | SOIL ANALYSIS: | TEXTURE: | MOISTURE: | HOMOGENEOUS / VARIABLE | COMMUNITY CLASSIFICATION: | COMMUNITY CLASS: | COMMUNITY SERIES: | ECOSITE: VEGETATION TVBE: | | INCLUSION | COMPLEX | Evidence of Disturbance / Notes: |

W/tesourcelInternal Info and TeamsIFIELD FORMSIVegetationIELCtelc-woodland-wildlife-habitat-form.docx / (DERIVED FROM LEE ET AL., 1998)

| Stantec | Stantec Consulting L 1 – 70 Southgate Driv Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | | | odland & t Assess | | |
|--|--|---|--|---|--|---------------------|--|
| Project Number: | Tile 6 | | Pr | oject Name: | Ced | or f | 04. |
| Date: | Nov.9/11 | | Field | Personnel: | S., | 4.r | |
| Weather Conditions: | TEMP (°C): | WIND: | CLC 7 | | PPT: | | PPT (in last 24 hrs): |
| ELC Polygon: # 6 | Assessment Type: | Q-Visual; roadsid | de, no access / 🖾 | Physical; w | alk through fea | ture | 1 |
| Extent of Physical Inv | estigation of Feature: | 🛛-Entire / 🖄-Par | tial, walk through | polygon (inc | dicate on map) | | |
| Reptile / Bat Hiberr POTENTIAL HIBERN | | □-Y* / 셜-N / □-L [i.e. features that we bridge abutments or Contains potentia □-Y* / ☑-N / □-L [i.e. karst topograph | culverts with cracks al bat hibernacula Jnknown, no acce | ss (*if yes, c inderground, i /entry points, features? ss (*if yes, c | describe in table including buried c exposed rock crev | oncrete vices or | or rock (e.g. foundations inactive animal burrows) |
| UTM | ACOLA FEATORE(S) | Feature Description | Dn | Photo No. | Spp. O | bserve | d Using Feature |
| | | | | | | | 0 |
| POTENTIAL BAT RO | [i.e. tall tree | 1 1 | to access (*if yes, of oundings, DBH >2: to No. Decay C | ōcm, side-fa | able below) icing cavities ~ No. of Cavities | | gh in tree] t and Type of Cavities |
| Stick Nests: | | Contains large sti | | ss (*if ves. c | lescribe in table | e belov | y) |
| STICK NEST(S) IDEN | TIFIED | | | (), - | | | / |
| UTM | Tree ID | Tree Spp. | Nest Size | Photo No. | . Spp. O | bserve | d Using Feature |
| Seeps/Springs/Vern SEEP / SPRING / VERN | | Contains seeps/s □-Y* / ∯-N / □-U | prings/vernal poo Inknown, no acce | s? ss (*if yes, d | lescribe in table | e belov |) |
| UTM | Feature No. & Ty | Eastuna Sime | Water Depth | Photo No. | Sub/Emergen Spp. Prese | | Shrubs/ Logs at Edge Present? |
| SPECIES & HABITAT | OBSERVATIONS (list | snecies and type o | f observation & in | dicate on me | | | 1 |
| | | | | • | | | |

| ELC | SITE: TILE 6 | |
|------------------|------------------|--------------|
| | POLYGON: | start 1552 |
| Plant Species | DATE: Nov. 8/11 | Ghat ; 17232 |
| List | SURVEYOR(S): 5AM | |

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER ABUNDANCE CODES: R = RARE O = OCCASSIONAL A = ABUNDANT D = DOMINANT

| | | LA' | YER | ł | COLL. | | CDEC | | DDE | | LA | YER | | COLL. |
|--|------|-----|-----|----|-------|---|-------|--------|-----|---|----|-----|---|-------|
| SPECIES CODE | 1 | 2 | 3 | 4 | COLL. | | SPEC | IES CO | JDE | 1 | | | 4 | COLL. |
| Bluck Oak | | | | | | | | | | | | | | |
| Sylamore | | | | | | | | | | | | | | |
| Bjack Oak Sycamore Or Mh Em | | | | | | | | | | | | | | |
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| Corra-Buck | | 0 | | | | | | | | | | | | |
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| Glyc. sori | | | p | 12 | | | | , | / | | | | | |
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W:tresourcelInternal Info and Teams/FIELD FORMS/Vegetation/ELC/elc-wood/and-wildlife-habital-form.dox/ (DERIVED FROM LEE ET AL., 1998)

| Stantec | | 1G 4P5 336-6050 | | | 1 | | dland & Assessr | | |
|--|-----------|---|---|--|--|---|--|-------------------------|--|
| Project Numbe | - Tile | 6 | | | Proje | ect Name: | Cedor P | 7. | |
| Date | | ov. 8/11 | | | Field F | ersonnel: | 5.A. | | |
| Weather Conditions: | TEM | P (°C): | WIND: | | clou GO | D: | PPT: | _ | PPT (in last 24 hrs): |
| ELC Polygon: # | - | ment Type: Q-\ | | | | | | ure | |
| Reptile / Bat Hibe | | [i.e. brid Col ` [i.e. | features that we ge abutments or ntains potentia Y* / A-N / D-L karst topograph | Jnknow ould prov culverts al bat hi Jnknow | n, no acces vide a route un with cracks/e bernacula fe n, no acces | s (*if yes, c derground, i entry points, c eatures? s (*if yes, c | lescribe in table ncluding buried c | oncrete o vices or i | or rock (e.g. foundations, nactive animal burrows)] |
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| | | ture No. & Type | Feature Size (Diameter) | | ater Depth | Photo No. | Sub/Emerger Spp. Prese | | Shrubs/ Logs at Edge Present? |
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| UTM | | | I | | | | | | The second s |

| ELC | SITE: TILE G |
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| ELC | POLYGON: (2) |
| Plant Species | DATE: Nov.9/11 |
| List | SURVEYOR(S): SAM |

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER ABUNDANCE CODES: R = RARE O = OCCASSIONAL A = ABUNDANT D = DOMINANT

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| Groy's Selge. | | | | | | | | | | | |
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| Spicebush By Manny Decker | | | | | | | | | | | |
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| - Woodcoek | | | m | cro | -topograph | 1 | | | | | |

- Deoporta

- Wood Fred Wood Loek

| | | (Project Manager) |
|--|---|--|
| ELC SITE: COMMUNITY DESCRIPTION & CLASSIFICATION SURVEYOR(S): | LAYERS: 1=CANOPY-10m 2=SUB-CANOP ABUNDANCE CODES: NANONE REARE SPECIES CODE 1 2 3 4 C | (Field Personnel) |
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W:vesource/Internal Info and Teams/FIELD FORMS/Vegetation/ELC/elc-wood/and-wildlife-habitat-form.docx / (DERIVED FROM LEE ET AL., 1998)

| Stantec | | 1G 4P5 336-6050 | | | | | 1000 | ्य अ | land & Assessr | nent | |
|---|---------------------|---------------------------------|---|---|------------------------------------|---|--|-------------------------|--|-----------------------|--|
| Project Number: | Tile | 6 | | | | Proj | ect Name: | | Cedar | Pt. | |
| Date | No | v.8/11 | | | | Field F | Personnel: | | 5.1 | 1.M. | •. |
| Weather Conditions: | 1 | P (°C): | WIN | ID: | | CLOU GO | ID: | | PPT: | | PPT (in last 24 hrs): |
| ELC Polygon: # | - | ment Type: 🛛- of Feature: 📮- | | | | | | | | ure | |
| Reptile / Bat Hiber | | [i.e brid Co [i.e | Y* / Q-N features the dge abutme ntains po Y* / Q-N karst topo | / D-Un nat woul nts or cu tential / D-Un graphy, | known ld provulverts bat hil | ide a route ur with cracks/e bernacula fe | s (*if yes, iderground entry points eatures? s (*if yes, | des , inclu , exp | cribe in table uding buried c osed rock crev cribe in table | oncrete vices or i | or rock (e.g. foundations, nactive animal burrows)] |
| POTENTIAL HIBERN | ACULA F | | | | | | | 1 | | | III.t. Frating |
| UTM | | Fea | ature Desc | ription | l | | Photo No | 0. | Spp. O | bservec | I Using Feature |
| POTENTIAL BAT RC UTM | OSTING F Tree ID | [i.e. tall trees v | | | | | | | | | |
| | | | | | | | | | | | |
| Stick Nests: | | | ontains lar ∙Y* / ⊠-N | | | | s (*if yes, | des | cribe in table | e below |) |
| STICK NEST(S) IDEN | | | | | | 1 | 1 | | | | |
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| Seeps/Springs/Ver | | | Y* / 🛛-N | / 🛛 - Un | | vernal pools n, no acces | | des | cribe in table | e below | () |
| UTM | Feat | ure No. & Type | Feature (Diame | | Wa | ter Depth | Photo No | o. 8 | Sub/Emergen Spp. Prese | | Shrubs/ Logs at Edge Present? |
| | Var) | nal Pools | 3m + | | | ٦, | | | 1 | | 7 |
| SPECIES & HABITAT | OBSERV. | ATIONS (list sp | ecies and | type of | obser | vation & in | dicate on 1 | map) | | | |
| Spring Peer Leopard Fi W-T Deer - Gray Squin Wood Frog Amer. Woo | TK | | | | | | | | | | |
| Amer. Was | d cock | -0B | | | | | | | | | |



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Ag type & Redwood lots Legend 120m Zone of Investigation Proposed Turbine Location O MET Tower Access Road ----- Transmission Line ----- Underground Collector Line Turbine Laydown Area Substation Expressway / Highway - Road Watercourse Constructed Drain Waterbody Municipal Boundary Property Boundary Land Status Optioned Properties (Suncor) NextEra Properties ELC Status ELC - Need Codes ELC- Complete

DRAFT

Notes

- 1. Coordinate System: NAD 1983 UTM Zone 17N
- 2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011. ©Lambton County 2011.
- 3. Imagery Source- Suncor Energy Includes Material © 2011 of the Queens printer for Ontario. All rights reserved. Imagery Date: 2010



Stantec

Client/Project

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Suncor Energy Cedar Point Wind Project

Figure No.

Tile 4 of 54

Project Infrastructure- Aquatics Ver- 12 June 27

July, 2012 160960709

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Cedon Point ELC Tile 5 July 4, 2012 C. Payette 1609 60709

| TA | 1 – 70 Sou Guelph, Ol Canada N Tel: (519) 8 | 1G 4P5 336-6050 | | | | | odland & It Assess | | |
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| Stantec | Fax: (519) | | | | | | | | |
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| | | 8,2012 | | | Field | Personnel: | INTER STREET, INTER | Iter | |
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| POTENTIAL BAT RO UTM | | [i.e. tall trees w ATURE(S) ID Tree Spp. | ith open s | urround | lings, DBH >2 | 5cm, side-fa | acing cavities ~ No. of Cavities | | gh in tree] It and Type of Cavitie: |
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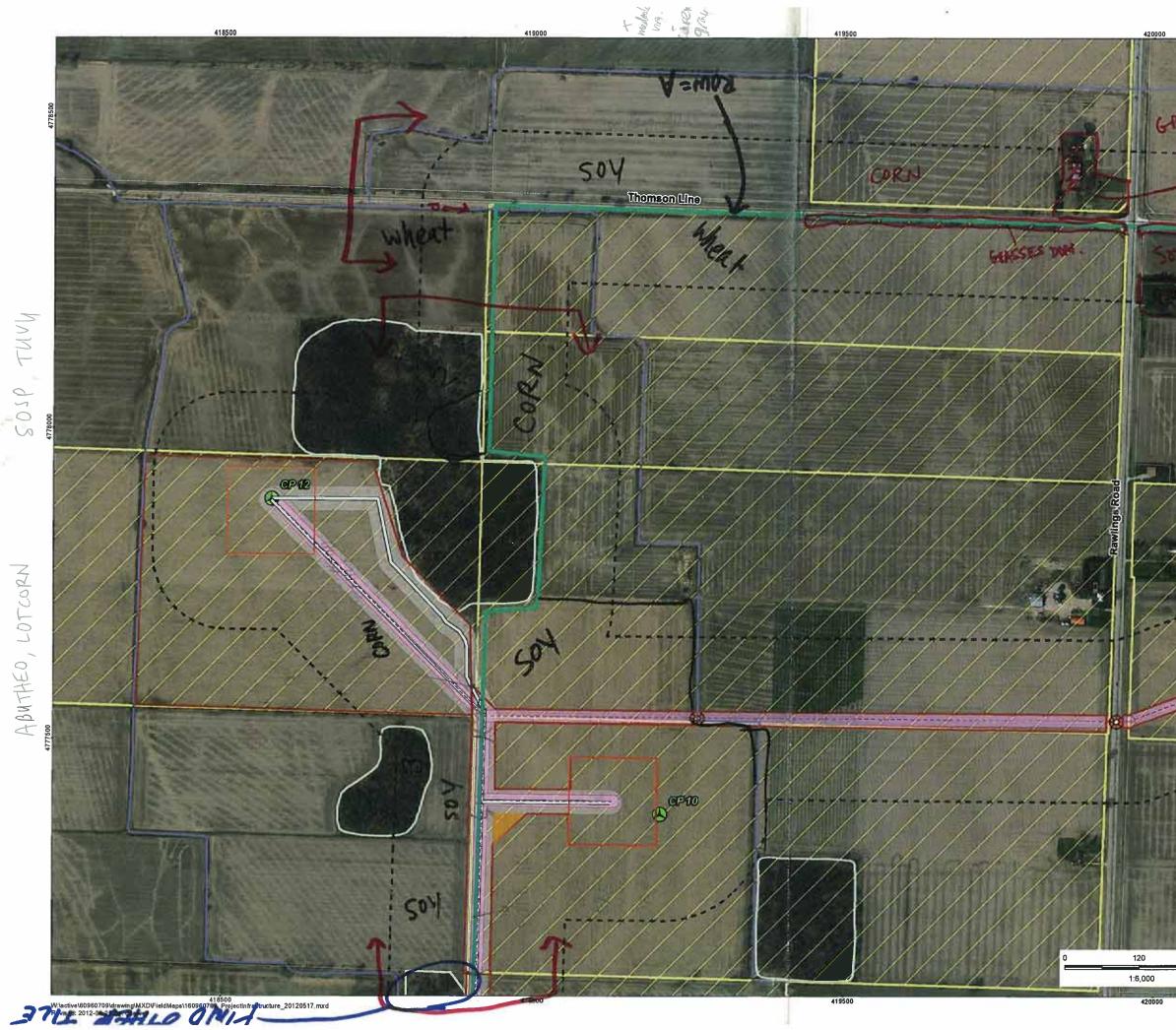
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| Stantec | Stantec Con 1 – 70 South Guelph, ON Canada N10 Tel: (519) 83 Fax: (519) 83 | gate Drive 3 4P5 6-6050 | | | | dland & Wild Assessment | |
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| STICK NEST(S) IDEN UTM | | ree ID | Tree Spp. | Nest Size | Photo No. | Spp. Observe | d Using Feature |
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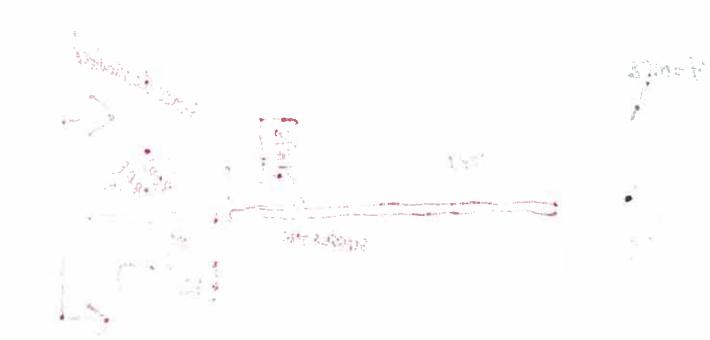


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| Stantec | Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | | | Woodland & Wildlife Habitat Assessment Form | | | | |
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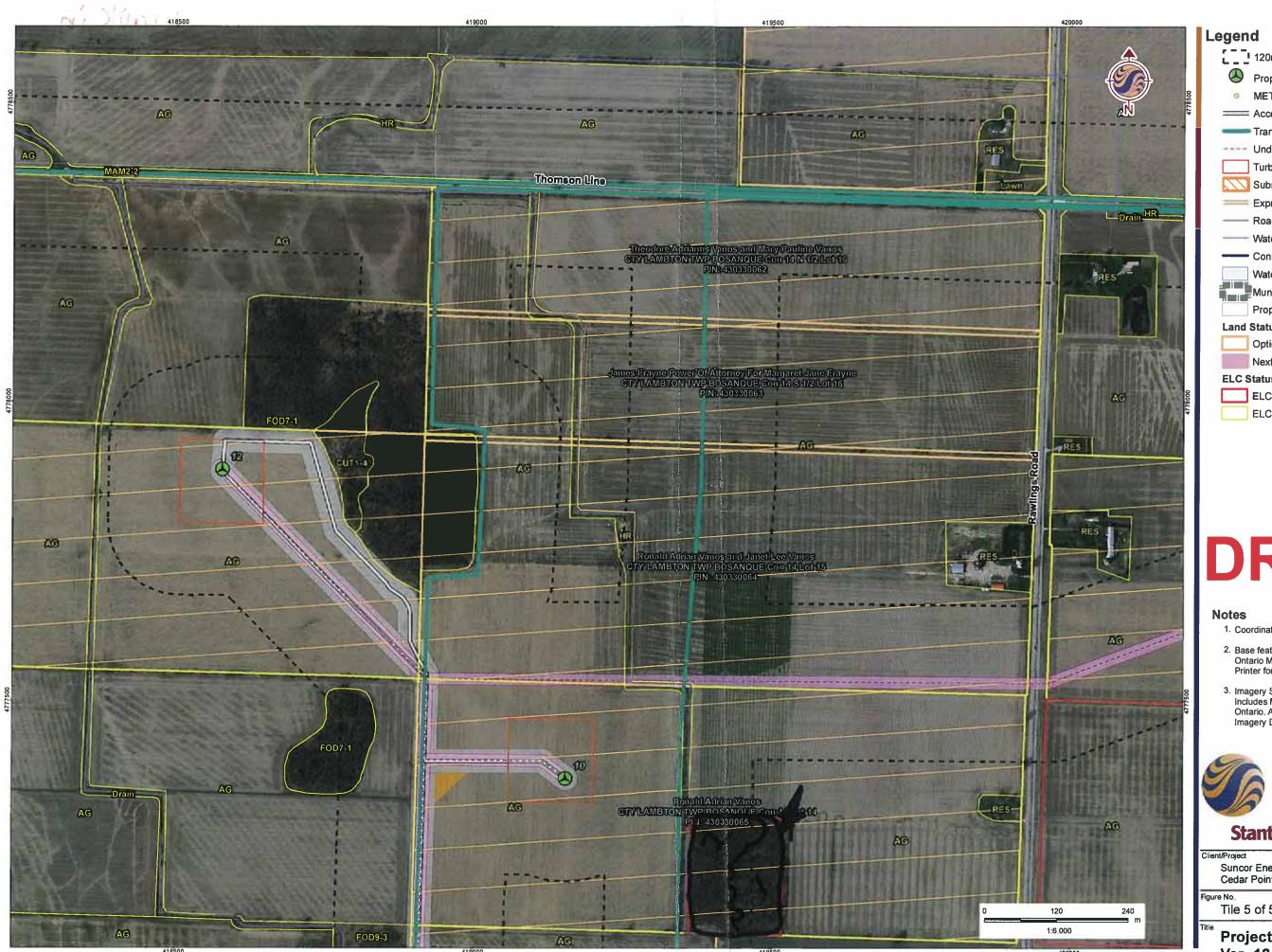
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| Stantec | | | | | Proje | ct Name: / | rola Pai | t la | IF |
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| Date | July | 10,2012 | | - | Fleiu F | ersonnei, | C. Paugette | | |
| | • | P (°C): | WIND: | | CLOU | D: | PPT: | | PPT (in last 24 hrs): |
| Weather Conditions: | 29 | | 3-4 | | 640 | | None | | Pare |
| ELC Polygon: #5-2 Extent of Physical Im | | | ntire / 🛛 - Partia | i, walk | through p | otygon <i>(indi</i> | | ure | |
| Reptile / Bat Hiber | | U-Y (i.e. 1 bridg Con U-Y (i.e. 1 | re-abutments or c tains potential * / CI-N / CI-Un karst topography. | iknown, Id provic ulverts v bat hib iknown | , no acces le a route un vith eracks/e ernacula fe no acces | s ("if yes, de derground, in nury points, e satures? s ("if yes, de | cluding buried c aposed rock crev | oncrete (ices or i | or rock (e.g. foundations, nactive animal burrows) |
| POTENTIAL HIBER | NACULA FI | | ure Description | | | Photo No. | Spp. O | bserved | Using Feature |
| UTM | | E Cas | die Desemption | | 1.1.1.1 | | | 0.000 | |
| POTENTIAL BAT R UTM | OOSTING F Tree ID | Tree Spp. | DBH Phot | o No. | Decay Cla | | cing cavities ~ | | and Type of Cavities |
| Stick Nests: | 1111 | Cor Q-1 | ntains large stic (* / 12-N / 12-U | nknown | 87 1, no acces | is ("if yes , d | lescribe in tabl | e belov | /) |
| STICK NEST(S) IDE | NTIFIED | Tree ID | Tree Spp. | | Nest Size | Photo No. | Spp. 0 | Dhserve | d Using Feature |
| UTM | | | THU OPPI | See. | 18-11 David | | | | |
| Seeps/Springs/Ve | | G-1 | ntains seeps/sj /* / 0-N / 0-U IDENTIFIED | onings/v nknowr | remal pool n, no acces | s? \$ 8 (*if yes , c | | | |
| UTM | | ure No. & Type | Feature Size (Diameter) | Wat | er Depth | Photo No. | Sub/Emerger Spp. Pres | | Shrubs/ Logs at Edge Present? |
| - | Thre | schat ! | -earth mes | F N | Alv | NA | no | | yos-abido |
| SPECIES & HABITA | en andere an | - 0 - | ales and tune a | f obser | ration & in | dicate on m | an) | | 9 |
| | | | | | | | | | |

CA=careass: DP=distinctive parts: FE=feeding evidence: FY=eggs/nest; HO=bouse/den; OB=observed; SC=seat: SI=other sign; TK=track: VO=vocalization

| | | Signature: (Project Manager) |
|---|--|--|
| ELC BITE: COMMUNITY DEBCRIPTION A DATE: CLASSIFICATION BURVEYOR(B); | IAVERS: 1-CANOPY-ION 3-UNDERCONDER ABUNDANCE COORES: NANORE ABUNDANCE COORES: NANORE ABUNDANCE COORES: NANORE ANNOR APECIES COORE APECIES COORE APECIES COORE APECIES APECIES APECIES | |
| POLYBON: S.J. JUTHE: JUTHE: UTHE: | | Shurdaver yauge stad age |
| Clarge Luft Luft arts: C. Rug He DATE: END: C. Rug He DATE: | | Thicken & JA |
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Fred wood lot * red Aa 120m Zone of Investigation Proposed Turbine Location MET Tower Access Road ------ Transmission Line ----- Underground Collector Line Turbine Laydown Area Substation Expressway / Highway - Road Watercourse Constructed Drain Waterbody Municipal Boundary Property Boundary Land Status Optioned Properties (Suncor) NextEra Properties ELC Status ELC - Need Codes ELC- Complete DRAFT 1. Coordinate System: NAD 1983 UTM Zone 17N 2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011. ©Lambton County 2011. Imagery Source- Suncor Energy Includes Material © 2011 of the Queens printer for Ontario. All rights reserved. Imagery Date: 2010

Stantec

Suncor Energy Cedar Point Wind Project

Tile 5 of 54

Project Infrastructure- Aquatics Ver- 12 June 27

July, 2012 160960709

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ASSEDS Redard From Road



Legend

- 120m Zone of Investigation
- Proposed Turbine Location
- MET Tower
- Access Road
- Transmission Line
- ----- Underground Collector Line
- Turbine Laydown Area
- Substation
- Expressway / Highway
- Road - Watercourse
- ----- Constructed Drain Waterbody Municipal Boundary Property Boundary
- Land Status
- Optioned Properties (Suncor)
- NextEra Properties
- ELC Status
- ELC Need Codes
- ELC- Complete

DRAFT

Notes

- 1. Coordinate System: NAD 1983 UTM Zone 17N
- 2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011. ©Lambton County 2011.
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Stantec

Client/Project

Suncor Energy Cedar Point Wind Project

Figure No.

Tile 6 of 54

Project Infrastructure- Aquatics Ver- 12 June 27

July, 2012 160960709

Cedan Point ELC T. le 6 July 4,2012 C. Payette 160960709





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Ver- 12 June 27



| ELC STEE COLOR POINT | Anodro | DATE: DA. | No 100 | UTME: | | EC | SITE: POLYGON: | | | | | | 8 × - |
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| a N | 5 END: 10:45 | _ | MZ: | UTMN: | | COMMUNITY DESCRIPTION & | | Diel. | | | | | |
| OLYGON DESCRIPTION | | | | | | | | | | | | | 7 |
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| JAL | | WATURAL | D PLANKTON D SUBMERGED | D LAKE | | SPECIES CODE | | LAYER | tos V | ES CODE | LAYER | 245.0 | COLL |
| | 4 | DCULTURAL | D FLOATING-LVD. | D RIVER D STREAM | | ACESACC | | | | Barted Som | 77 N | • 0 | 月4 (1) (1) (1) |
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| 1=28 | 2=10cHTs25m 3=2cHTs10 | m 4=1 <hts2m 5="</td"><td>3=24HIS10m Va14HISm Ba034HIS10m B=0.24HIS05m</td><td>Em Tahledom</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></hts2m> | 3=24HIS10m Va14HISm Ba034HIS10m B=0.24HIS05m | Em Tahledom | | | | | | | | | |
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| EADFALL/LOGS: | A <10 | A 10-24 | 25-50 | R >50 | | | and the second | | | | | | Т |
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| /idence of Disturbance / Notes: | | V 11 . | 110 | の一般の語の一般の | | and Maria | (Field P | (Field Personnel) | | | (Project Manager) | er) | |
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| e. | | 2 | | | | MANANA PARA | A state of the sta | | | | | | |

Witesource)mamal Info and Teams/FIELD FORMS/Vegetation/ELC/elc-wood/and-wildtife-habital-form none / InFRIVEN FRAMI I FE FT AI + 000

| Stantec | | 1G 4P5 336-6050 | | | | 31 19 10004 | odland & t Assessi | | |
|---|--|---|---|---|---|---|--|--------------------|--|
| Project Number: | : 160 | 960709 | | | Pro | iect Name: | Cedar Po | int | |
| Date: | | ,2012 | - and the second | | Field | - Personnel: | CiParette. | 12 2 5 | ava |
| 이 아이에 소재하는 것 | TEME | P (°C): | WIND | | CLO | 10. | PPT: | | PPT (in last 24 hrs): |
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| ELC Polygon: <u>#9-6</u> Extent of Physical Inv | Service and the service of the servi | ment Type: 🗅- of Feature: 🐢- | | | | | alk through fea | | 0 |
| Reptile / Bat Hiberr | | Li.e (i.e Co Li.e (i.e. | fcatures that lge abutments ntains pote Y* / - N / E kurst topogr | -Unknow t would prov s or culverts ntial bat hi -Unknow | n, no acces /ide a route u with cracks/ bernacula 1 n, no acces | entry points. o entry points. o entry points. o entry points. o entry points. o entry points. o entry points. o | lescribe in table neluding buried of | ices or | or rock (e.g. foundations inactive animal burrows) |
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| POTENTIAL BAT RO UTM | | □-Y* / ∰-N / □ [i.ə. tall trees w EATURE(S) ID Tree Spp. | /ith open su ENTIFIED | irrounding | s, DBH >25 | cm, side-fa | cing cavities ~ No. of Cavities | | gh in tree] t and Type of Cavities |
| | 1993년 1993년 1983년 1983년 1987년 1987년 1987년 198 | Co | ntains large | stick nes | ts? | n (*** voo | lescribe in tabl | - helei | n den er statsfer er der er stemme |
| Stick Nests: | | | F 7 G99871317 5 | 1-OUNIOW | | a (nyes, u | escribe in tabl | a paion | |
| | TIFIED | 51 | 运送法 21 | | | S 165 M 16 | and the second state of th | | |
| Stick Nests: STICK NEST(S) IDEN UTM | | Tree ID | Tree S | pp. | Nest Size | Photo No. | Spp. C |)bserve | d Using Feature |
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| STICK NEST(S) IDEN UTM Seeps/Springs/Verr SEEP / SPRING / VERJ | nal Pools: | Tree ID Con Con FEATURE(S) | ntains seep Y* / Ø-N / C IDENTIFIE Feature S | os/springs/v]-Unknow ED ize Wa | Nest Size | s? s (*il yes, a | escribe in table | ə bəlov ıt Veg. | d Using Feature v) Shrubs/ Logs at Edge |

CA=carcass: DP=distinctive parts: FE=feeding evidence: FY=eggs/nest; HO=house/den; OB=observed; SC=scar: SI=other sign; TK=track: VO=vocalization

| СТ | | I IN OT | Mik IN Haven | 10PY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER E 0=OCCASIONAL A=ABUNDANT D=DOMINANT | ML SPECIES CODE 1 | Scarbet Samulary | Capterbarrent Salar | N contemptor | 10 Khusp | MULLEIN R | | | | | | | | | | | | | | | | | | | | | | Quality Controt: This form is complete D & legible D. | Signature: | (Project Manager) |
|------------|--------------------|---|---------------------------|--|--|-------------------------|---|----------------------|--------------------------|-------------------------|----------|-------------------|--|------------------------------|-----------------------|---------------------------------------|---|--|-------------------|---------------------|----------------|----------------------------------|-------------------|-----------------|---------|------------------------------------|----------------------------|-----------------|------------------|-----------------|----------------------|---|------------|---------------------------------|
| 9 | OLYGON: 9-A | DESCRIPTION & DATE: DCC S, 201 CLASSIFICATION SURVEYOR(S): 0 | | LAYERS: 1=CANOPY>10m 2=SUB-CANOPY ABUNDANCE CODES: N=NONE R=RARE (| SPECIES CODE | Predoak B-0 | hickey | 0 | d- | tersuer P | 3 | Amileed R | Blue beech R | | | | | | | | | | | | | red mark of | Venturbard R | | COUSE XX | their alanua Ca | R | Page of | Signature: | (Field Personnel) |
| | UTALE: | UTMZ: UTMN: | | PLANT FORM COMMUNITY | D PLANKTON D LAKE D SUBMERGED D POND D FLOATING-LVD. D RIVER | D GRAMINOID D STREAM | DLICHEN DSWMAP DBRYOPHYTE DFEN DECINICIUS | D CONFEROUS D BARREN | D MIXED D MEADOW | D THICKET D SAVANNAH | E POREST | LI PLANIATION | SPECIES IN ORDER OF DECREASING DOMINANCE | ATER THAN; = ABOUT EQUAL TO) | BURGE SMere BURKINCER | VILL J Ruber > but them | in Planer goulic mustered | ON 4=CVR>60% | BA: Constraints | A 25-50 P >60 | N | A 25-50 N >50 | LEW . | いった いいちょう かいしょう | g= | (cm) | (cm) | CODE: | CODE: | CODE: | CODE: FODG-S | CODE: MAMJ -10 | CODE: | 一 法推 一 题明 二 计 计 解 经 |
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| Stantec | | 1G 4P5 336-6050 | | | | | odland & t Assess | | |
|--|---------------------------------------|-------------------------------------|---|--|--|--|--------------------------------------|-------------------------------|---|
| Project Number: | 160 | 960709 | | | Pro | ject Name: | Ceda & | Dariat | |
| Date: | and the second second | 5,2012 | | | Field | - Personnel: - | C. Payet | c, N. | Leava |
| Weather Conditions: | TEMP B- | °(°C): /O | WIN 1-3 | | CLOI | | PPT: Dight Nau | in | PPT (in last 24 hrs): Heavy Ram |
| ELC Polygon: #9-A | Assessi | ment Type: 🛛-' | Visual; ro | adside, | no access / | Physical; w | | 1.32 | 0 |
| Extent of Physical Inv | estigation o | of Feature: 🏄- | Entire / 🖸 | I-Partial, | , walk through p | olygon (inc | licate on map) | | |
| | | [i.e. brid Co □-` [i.e. | fcatures the gerabutme ntains pol Y* / | nts or cul tential ba D-Unk graphy, a | nown, no access provide a route u lyerts with cracks/ at hibernacula f nown, no access ibandoned mines of | nderground, i entry points, eatures? is ("if yes, c | including buried exposed rock cre | concrete vices or | or rock (e.g. foundations, inactive animal burrows)] |
| POTENTIAL HIBERN | ACULA FE | | | | • | | | | |
| UTM | 101 Sec. 10 | Fea | ture Desc | ription | | Photo No. | Spp. C | bserve | d Using Feature |
| POTENTIAL BAT RO | | (i.e. tall trees w EATURE(S) ID | ith open : | surround D | ccess (*if yes, o dings, DBH >25 | icm, side-fa | cing cavities ~ | | gh in tree) t and Type of Cavities |
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| UTM | Tree ID | Coi | ntains lar | ge stick | nests? | | | | |
| UTM Stick Nests: | | Coi | ntains lar | ge stick | | | lescribe in tabl | le belov | v) [,] |
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| UTM Stick Nests: STICK NEST(S) IDEN UTM Seeps/Springs/Vern | TIFIED T nal Pools: | ree ID Cor | ntains lar (* / - N / Tree ntains see (* / - N / | ge stick / D-Unko Spp. Spp. pps/sprir / D-Unko | nests? nown, no acces | s ("if yes, o | Spp. (| Observe | d Using Feature |
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CA=carcass: DP=distinctive parts: FE=feeding evidence: FY=eggs/nest; HO=house/den; OB=observed; SC=scar: SI=other sign; TK=track: VO=vocalization

| | ELC SITE: | | | POLYGON: | 7-8. | ELC STE: Cedar Dan | | |
|---|------------------------------------|--|---------------------------|---------------------------|--|--|---|-------|
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| | | END: | | UTMZ: | UTMN: | DATE: DOG NS, AC | | |
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| And Contraction Execution Execution Execution Execution Execution Execution Execution <td></td> <td></td> <td></td> <td>DUCHEN</td> <td>DSWMAP</td> <td></td> <td>2</td> <td></td> | | | | DUCHEN | DSWMAP | | 2 | |
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| Exerctioner The Dispersion | 2 | | PP | DMIXED | D MEADOW D PRAIRIE D THICKET | Burock | Staubrary C | |
| Percina Noncretation Percina Noncretation | WATER SURFICIAL DEP. BEDROCK | LIBEACH / BAH LISAND DUNE BLUFF | | and and an an an | elen / | Bosswort | | ПТ |
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| SPECIES & HABITAT | OBSERVA | TIONS (list spe | cies and type o | of observ | ation & in | dicate on 1 | nap) | | |

CA=careass: DP=distinctive parts: FE=feeding evidence: FY=eggs/nest; HO=house/den; OB=observed; SC=seat; SI=other sign; TK=track; VO=vocalization

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| Date: | | | | | Field | Personnel: | N. Charl. | ton | |
| Weather Conditions: | | P (°C): | WIND: 2-3 | | CLO 20 | UD: | PPT: | | PPT (in last 24 hrs): |
| ELC Polygon: #4-(Extent of Physical Inv | | ment Type: 🛛- of Feature: 🔽- | / | | | | | | |
| Reptile / Bat Hiberr | | L- (i.e. brid Co L- (i.e. | features that w lge abutments or ntains potenti Y* / Q-N / Q-I karst topograph | Unknow ould prov r culverts al bat hi Jnknow | n, no acce vide a route u with cracks bernacula n, no acce | ss (*if yes, a inderground, f entry points. features? ss (*if yes, a | describe in tab. | concrete vices or | e or rock (e.g. foundations, inactive animal burrows) |
| UTM | | | ture Descripti | on | | Photo No. | Spp. C | bserve | ed Using Feature |
| Bat Roosting Feature POTENTIAL BAT ROOUTM | | Contains poter -Y* / Q-N / Q [i.e. tall trees w EATURE(S) ID Tree Spp. | ENTIFIED | o acces | s (*if yes, d s, DBH >2 Decay Cl | 5cm, side-fa | able below) cing cavities ~ No. of Cavities | | igh in tree] It and Type of Cavities |
| | | | | | | | | | |
| Stick Nests: | | Coi Q-1 | ntains large st Y* / QI-N / QI-L | ick nest Jnknow | s? n, no acces | ss (*if yes, c | lescribe in tabl | e belo | w) |
| STICK NEST(S) IDEN | | | | | | | Bulling des | . Let a see | |
| UTM | | free ID | Tree Spp. | | Nest Size | Photo No. | Spp. (| Observe | ed Using Feature |
| Seeps/Springs/Verr | | Q-1 | ntains seeps/s /* / 0-N / 0-L | prings/\ Inknown | vernal pool | s? ss (*if yes, a | lescribe in tabl | e belov | v) |
| SEEP / SPRING / VERMUTM | | re No. & Type | Feature Size (Diameter) | Wat | ter Depth | Photo No. | Sub/Emerger | | Shrubs/ Logs at Edge |
| Throughout | P | vols | (chameter) | dr | Y | | Spp. Prese | ent? | Present? |
| SPECIES & HABITAT | OBSERVA | TIONS (list spe | cies and type o | of observ | vation & ind | dicate on ma | pp) | | |

L CA=careass: DP=distinctive parts: FB=feeding evidence; FY=eggs/nest; HO=house/den; OB=observed; SC=sear: SI=other sign; TK=track: VO=vocalization

| | 4=GROUND (GRD.) LAYER NDANT D=DOMINANT LAYER COLL | | 0 | 00 | 0 K | 28 | 04 | 0 | K | A | | | | | | | | | | | | | | | orm is complete 🗆 & legible 🖵. | (Devicet Manager) |
|---|---|--------------------------|-----------------------------|---------------------|--|----------|--|---|--------------------------|------------------------------------|--|--------------------|---|------------------|----------------|---------------------|----------------|--------------|--------------------|------------------------|---------------------------|---------------------------------------|----------|-----------------------------------|--|-------------------|
| | (* 3=UNDERSTOREY 4=GRO 0=OCCASIONAL A=ABUNDANT 0LL SPECIES CODE | SOLIDAFO | CARERAC | Strond Sol seal | | ARITRAR | CIPLUTE | ALPETI | CA | EDILET IVY | | | | | | | | | | | | | | | Quality Control: This form is complete | Signature: |
| l: R(S): | BUB-CANOP R=RARE | A O A A A | 0 0 | 2 | R | | | | | | | | | | | | | | | A | B | R | | 00 | | Eigh Brandoll |
| ELC SITE: POLYGON: DESCRIPTION & DATE: DESCRIPTION & SURVEYOR(S): CLASSIFICATION SURVEYOR(S): | LAYERS: 1=CANOPY>10m 2= ABUNDANCE CODES: N=NONE SPECIES CODE. 1 2 | FRENDEWN A | TILAMER O DSTVIRG | PRUSERO R | ACESASA R | | | | | | | | | | | | | | | RIBCYNO | Prickly ash | VIBLENT | KUDCATH | PUBES SP | ol | Signature: NWU(M) |
| UTML: UTMN: | COMMUNITY | HIVEH STREAM MARSH | L SWMAP D FEN D BOG | MEADOW | IMICKET SAVANNAH WOODLAND | FOREST | ANCE | UT EQUAL TO) | L LIGA (| (AT1+ | m 7≞HT<0.2m | | | ×50 | + | N D C DOWTH | 1 20 | 25 6 | (cm) | (cm) | | | | -4 | Page | |
| 31,2012 U | PLANT FORM | | | | | | SPECIES IN ORDER OF DECREASING DOMINANCE | (>>MUCH GREATER THAN; >GREATER THAN; = ABOUT EQUAL TO | TU AMERICA | FRATENNY CAROVAT > PIBCY NO > PHAC | 5-7 3 CURLINTE > GERMAC > POISSN 144 1=>26m 2=104T1525m 3=24T1510m 4=14T152m 5=0.54T15015m 0440172 - 240 2000000 4=14T152m 5=0.54T15015m | SECONTROUM SECURIO | | 25 - 50 | | NAL A=ABUNDANT | 105 | g= 25 r m G= | | | | CODE: | CODE: | CODE: FOD9 | CODE: | CODE: |
| DATE: May | C HISTORY DI NATURAL | | 0 | VE COVER | Z TREED | | CIES IN ORDER OF | EATER THAN; >GR | FRAPENIN (ARONATS THANED | 17 CAROVAT > P | > 6 ERMAC > | | ╢ | 10-24 10-24 | H | RERAHE OEOCCASIONAL | | TLES/GLEY | ANICS: | ROCK: | | | | beeidure front | | |
| Dend Point Dend 12:00 | 1 21 | | K. DROLL. UPLAND D CLIFF | | D BEACH / BAR D SAND DUNE | LI BLUFF | SPE | - | T | Z FRAGENN | 3 CKLUTE > GERA =1041725m 3=241510m 4=14 | | | | 12 | NENONE REF | 10 | | DEPTH OF ORGANICS: | DEPTH TO BEDROCK: | ïN | | | | 16 | |
| | SUBSTRATE DORGANIC | D PARENT MIN. | DI ACIDIC BEDRK. | | e. | | 1 | | 1~ | | | | | VALTOIS: LGS: | GS: | DES: PIONEER | 0 | R | | IS / VARIABLE | COMMUNITY CLASSIFICATION: | LASS: Eries: | | VEGETATION TYPE: Sharpark hickory | INCLUSION | COMPLEX |
| | SYSTEM GTERRESTRIAL | | | SITE DOPEN WATER | LI SHALLOW WATER ZI SURFICIAL DEP. | | | | ธ | | 4 GRD. LAYER HT CODES: CVD CODES: | STAND COMPOSITION: | | STANDING SNAGS: | DEADFALLA.OGS: | COMM. AGE: | SOIL ANALYSIS: | TEXTURE: 🔬 | MOISTURE: 6 | HOMOGENEOUS / VARIABLE | COMMUNITY | COMMUNITY CLASS: COMMUNITY SERIES: | ECOSITE: | VEGETATION T | N. | 0 |

W:/resource/Internal Info and Teams/FIELD FORMS/Vegetation/ELCelo-wood/and-widdle-habitat-form.docx / (DERIVED FROM LEE ET AL., 1998)

| Project Number: | 6046 | 0709 | | F | roject Name: | Cedar Pi | in t | |
|---|---|---|--|--|--|--|--|--|
| | 31/05/ | | | | ld Personnel: | | m | |
| ſ | TEM | P (°C): | WIND: | CL | OUD: | PPT; | | PPT (in last 24 hrs) |
| Weather Conditions: | 27 | 2 | 2-3 | 1 | 0 | | | |
| ELC Polygon: #9-2 | Assess | ment Type: D. | Visual: madeir | | 1 | | | |
| Extent of Physical Inves | | / | | | | States and the state of the sta | | |
| | | | | dal, waik though | | dicate on map) | | |
| Reptile / Bat Hiberna | cula Fea | atures: Co | ntains potentia | al reptile hiberna | cula features | ? | | |
| | | [i.e. | features that we | Jnknown, no accould provide a route | ess ("If yes, underground. | describe in table including buried | le beloi concrete | w) or rock (e.g. foundatious |
| | | bric | lge-abutments or | culverts with crack | s/entry points | exposed rock cre | vices or | inactive animal burrows) |
| | | Co | ntains potentia | al bat hibernaculi Inknown, no acc | a features? | doggriba in tabi | la halai | |
| 2 | | | | manown, no acc | ess (11 yes, | describe in tabl | | N) |
| | | 1.0 | karst topograph | y, abandoned mine | s or caves) | | | |
| POTENTIAL HIBERNA | CULA FE | [i.e. EATURE(S) ID | karst topograph ENTIFIED | y, abandoned mine | s or caves) | | | |
| POTENTIAL HIBERNA UTM | CULA FE | [i.e. EATURE(S) ID | karst topograph | y, abandoned mine | Photo No | . Spp. C |)bserve | d Using Feature |
| UTM | | (i.e. EATURE(S) ID Fea | karst topograph ENTIFIED ture Descriptio | y, ahandoned mine | | . Spp. C |)bserve | d Using Feature |
| UTM Bat Roosting Feature |)S: | [i.e. CATURE(S) ID Fea Contains,¢oter □-Y* / ☑-N / □ [i.e. tall trees w | karst topograph ENTIFIED ture Description tial bat roostin I-Unknown, no ith open surro | y, ahandoned mine | Photo No | table below) | | |
| UTM Bat Roosting Feature POTENTIAL BAT ROOS |)S: | [i.e. CATURE(S) ID Fea Contains,¢oter □-Y* / ☑-N / □ [i.e. tall trees w CATURE(S) ID | karst topograph ENTIFIED ture Description tial bat roostin I-Unknown, no tith open surro ENTIFIED | y, abandoned mine on ng features? o access (*if yes, bundings, DBH > | Photo No describe in 25cm, side-f | <i>table below)</i> acing cavities ~ | 10m hi | gh in tree] |
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| UTM Bat Roosting Feature POTENTIAL BAT ROOS UTM 1 | es: | [i.e. CATURE(S) ID Fea Contains, ooter □-Y* / Q-N / □ [i.e. tall trees w CATURE(S) ID Tree Spp. | karst topograph ENTIFIED ture Description tial bat roostin I-Unknown, no ith open surro ENTIFIED DBH Pho | y, abandoned mine | Photo No describe in 25cm, side-f | <i>table below)</i> acing cavities ~ | 10m hi | gh in tree] |
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| UTM Bat Roosting Feature POTENTIAL BAT ROOS UTM T Stick Nests: STICK NEST(S) IDENTI UTM Seeps/Springs/Verna | PS: STING FE Tree ID FIED T I Pools: | [i.e. CATURE(S) ID] Fea Contains, foter D-Y* / QI-N / QI (i.e. tall trees w CATURE(S) ID Tree Spp. Con Con Con Con Con Con Con Con | karst topograph ENTIFIED ture Description ture Description tial bat roostin I-Unknown, no ith open surro ENTIFIED DBH Pho DBH Pho DBH Pho Tree Spp. | y, abandoned mine y, abandoned mine y p p p p p p p p p p p p p p p p p p | Photo No describe in 25cm, side-f Class (1-5) ess (*if yes, e Photo No | table below) acing cavities ~ No. of Cavities describe in tabl | 10m hi Heigh | gh in tree] It and Type of Cavities It and Type of Cavities V) It Using Feature |
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| UTM Bat Roosting Feature POTENTIAL BAT ROOS UTM 1 Stick Nests: STICK NEST(S) IDENTI UTM Seeps/Springs/Verna SEEP / SPRING / VERNA | PS: 0 | (i.e. CATURE(S) ID Fea Contains foter D-Y* / QI-N / C (i.e. tall trees w CATURE(S) ID Tree Spp. Con Con Con Con Con Con Con Con | karst topograph ENTIFIED ture Description ture Description ture Description ture Description ture Description ture Description ture Description ENTIFIED DBH Pho DBH P | y, abandoned mine y, abandoned | Photo No describe in 25cm, side-f Class (1-5) ess (*if yes, e Photo No ols? ess (*if yes, | table below) acing cavities ~ No. of Cavities describe in tabl | 10m hi Heigh & below Dhserve & below | gh in tree] at and Type of Cavities v) rd Using Feature |

CA=careass: DP=distinctive parts: FE=feeding evidence; FY=eggs/nest; HO=house/den; OB=observed; SC=seat: SI=other sign; TK=track: VO=vocalization



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Legend

| 120m ZIO | |
|-------------------------------------|---|
| Proposed Turbine Location | |
| MET Tower | |
| Culvert Location | * |
| HD Location | - |
| Access Road | |
| Transmission Line | |
| Underground Collector Line | |
| Turbine Blade Tip | |
| Turbine Laydown Area | - |
| Access Road ROW (40m) | |
| Underground Cable ROW (20m) | |
| Transmission Line ROW | 2 |
| Substation | 2 |
| Stage II Archaeological Survey Area | |
| Expressway / Highway | |
| Road | |
| Watercourse | |
| Waterbody | |
| Municipal Boundary | |
| Optioned Property | |
| Property Boundary | |
| | Proposed Turbine Location MET Tower Culvert Location HD Location Access Road Transmission Line Underground Collector Line Turbine Blade Tip Turbine Laydown Area Access Road ROW (40m) Underground Cable ROW (20m) Transmission Line ROW Substation Stage II Archaeological Survey Area Expressway / Highway Road Watercourse Waterbody Municipal Boundary Optioned Property |

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Notes

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Client/Project

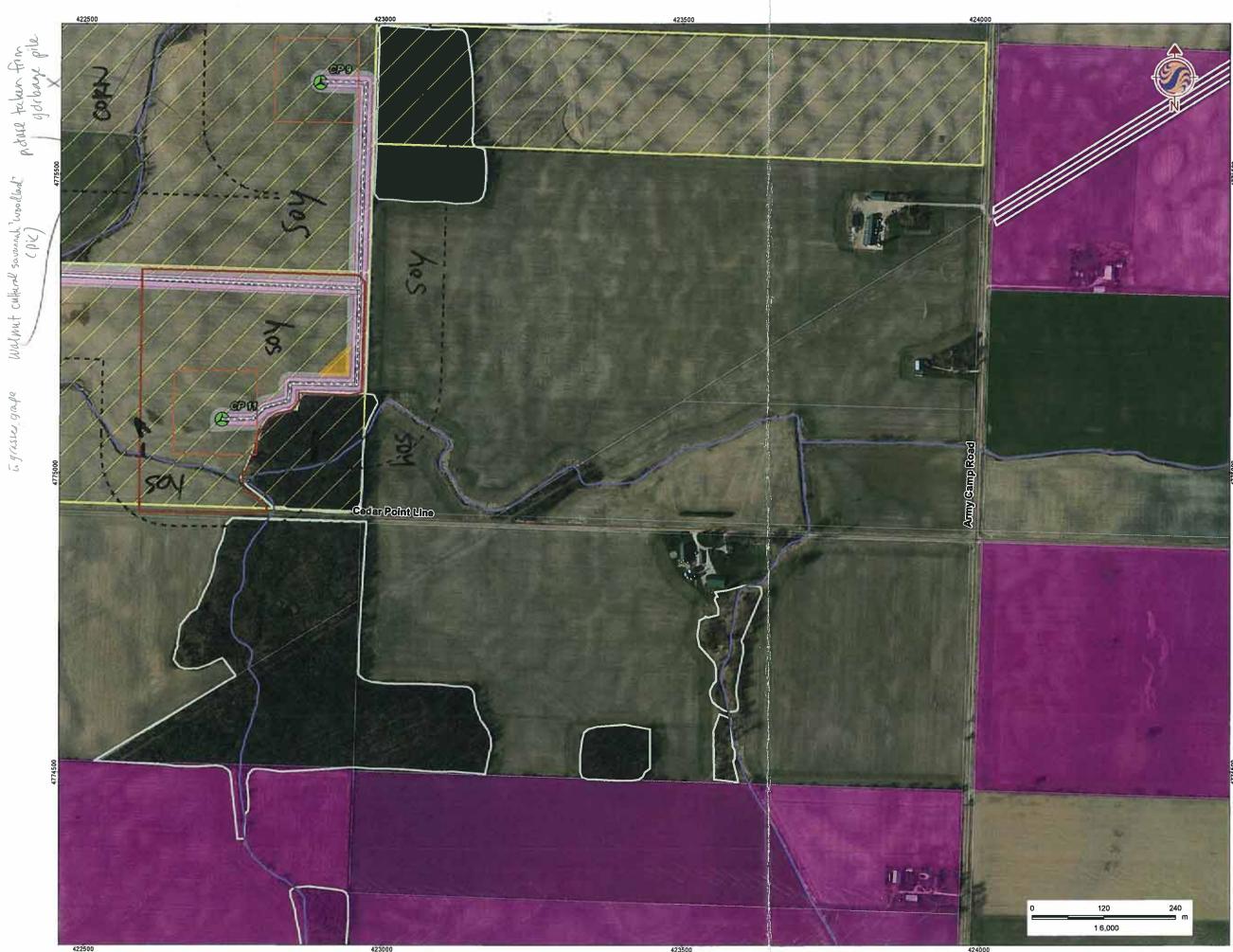
Suncor Energy Cedar Point Wind Project

igure No Tile 9 of 44

Project Infrastructure Ver- 11 Nov 15 Rev 1

December, 2011 160960709

Peer Skulpdan Point Tile 9 160960709 Le dapter . 3 m q-C Silver meple backed sedan O 0 Astas Ep 0 R green godgwod sp 0 R Nanny ber SU Hally 10x rigia Esta Thebed Led Norwhey Sprice - equal computst 5WA3 fizec(ass A O A $\langle \nabla \rangle$ R 0 0 A Д Olc



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Legend

Proposed Turbine Location



| 0 | MET Tower |
|--------------|-----------------------------|
| 0 | Culvert Location |
| | HD Location |
| | Access Road |
| - | Transmission Line |
| **** | Underground Collector Line |
| | Turbine Laydown Area |
| | Substation |
| | Expressway / Highway |
| | Road |
| | Watercourse |
| | Constructed Drain |
| | Waterbody |
| | Municipal Boundary |
| | Property Boundary |
| | Surveyed Areas (Archeology) |
| Land | Status |
| | Optioned Properties (Suncor |
| \sum | Forest Lands |
| | NextEra Properties |
| \mathbb{Z} | Optioned Properties (Eirin) |
| | |

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Stantec

May, 2012 160960709

Client/Project Suncor Energy Cedar Point Wind Project

Figure No. Tile 9 of 54

Project Infrastructure Ver- 12 May 07

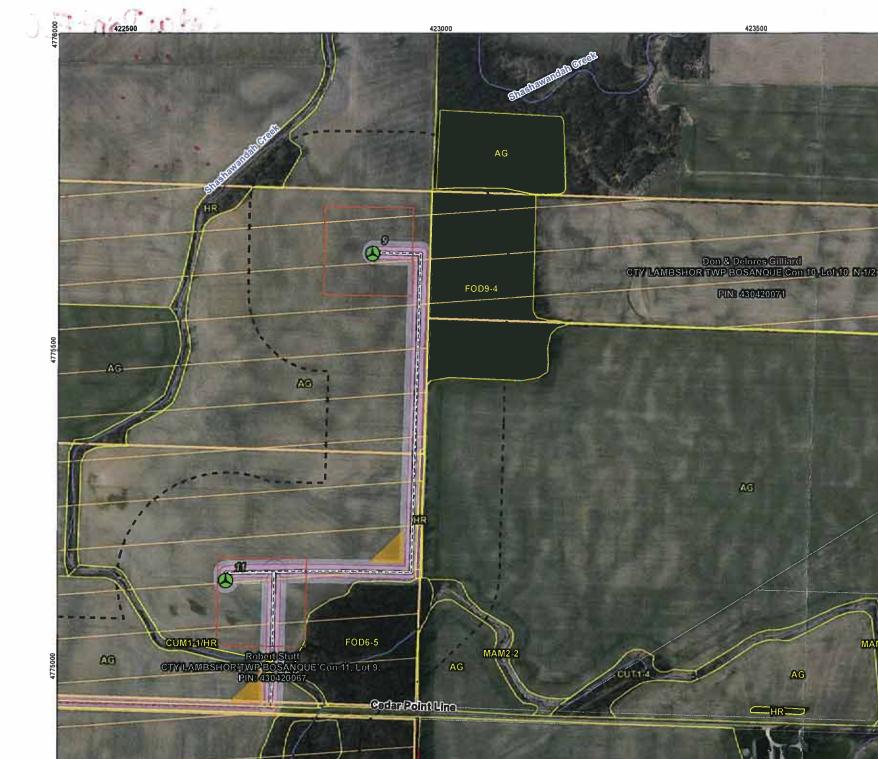


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Legend

- egend From roadside
- Proposed Turbine Location
- MET Tower
- Access Road Transmission Line
- ----- Underground Collector Line
- Turbine Laydown Area
- Substation
- Expressway / Highway
- ----- Road
- Watercourse Constructed Drain
- Waterbody
- Municipal Boundary
 - Property Boundary

Land Status

- Optioned Properties (Suncor)
- NextEra Properties

ELC Status

- ELC Need Codes
- ELC- Complete

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Client/Project

Stantec

July, 2012 160960709

Suncor Energy Cedar Point Wind Project

Figure No. Tile 9 of 54

Project Infrastructure- Aquatics Ver- 12 June 27

Cedan PaintELC Tilc 9 July 4, 2012 C. Payette 160960709



| Stantec | Stantec Co 1 – 70 Sou Guelph, Of Canada N Tel: (519) & Fax: (519) | 1G 4P5 836-6050 | | | | | odland & t Assess | | |
|--|--|-------------------------------------|--|---|---|---|-------------------------------------|-------------------------------|--|
| Project Number: | 1609 | 60709 | - long i - | | Pro | ject Name: | Cedar P | cint | |
| Date: | a second second second second | 3,2011 | | | Field | - Personnel: | C. Paret | | , Leava |
| Weather Conditions: | TEMI 8-1 | P (°C): | WINC | | cio los | and the second second | PPT: light ra | ih | PPT (in last 24 hrs): |
| ELC Polygon: <u>#8- A</u> Extent of Physical Invo | | | | | | | alk through fea | iture | <u> </u> |
| Reptile / Bat Hiberr | | (i.e. brid Con D- (i.e. | Y* / □-N / features that lge abutmen ntains pote Y* / □-N / karst topog | Orknow at would provide the or culverts or culverts ortial bat hi Orknow oraphy, abance | vide a route u s with cracks/ ibernacula f | ss ("if yes, o nderground, i entry points. ieatures? ss ("if yes, o | lescribe in tabl neluding buried | concrete vices or | or rock (e.g. foundations inactive animal burrows) |
| UTM | ACULATI | | ture Descr | | | Photo No. | San C | hearra | d Hotes Frederic |
| 17+04251234776 | 128/114 | real ale of cou | Lare Destr | Dime | llocis | 59,60 | Np,its | mserve | d Using Feature |
| Bat Roosting Featu POTENTIAL BAT ROO UTM | OSTING FI | | I-Unknowr rith open s ENTIFIED | n, no acces urrounding | is (*if yes, c is, DBH >25 | icm, side-fa | cing cavities ~ | - | |
| UTM | Tree ID | Tree Spp. | DBH | Photo No. | Decay Cl | ass (1-5) | No. of Cavities | Heigh | t and Type of Cavities |
| | LUSACE DEL | 이 이 것 물론 이 사 | | | | | | | |
| Stick Nests: | | Coi | ntains larg | e stick nes | ts? | ss (*if ves. c | lescribe in tabl | e belov | v) |
| | TIFTED | Col | ntains larg | e stick nes D-Unknow | ts? m, no acces | ss (*if yes, c | lescribe in tabl | e belov | v) |
| Stick Nests: STICK NEST(S) IDENT UTM | | Col Q-^ | ntains larg Y* / Q-N / Tree S | -Unknow | ts? m, no acces | ss (*if yes, c | | | v) d Using Feature |
| STICK NEST(S) IDEN UTM Seeps/Springs/Vern | al Pools: | Tree ID Cor | Y* / 2 - N / Tree S ntains see Y* / 2 - N / 1 | D-Unknow Spp. ps/springs/ D-Unknow | n, no acces | Photo No. | | Dbserve | d Using Feature |
| STICK NEST(S) IDEN | Ial Pools: | Tree ID Cor | Y* / 2 - N / Tree S ntains see Y* / 2 - N / 1 | D-Unknow Spp. ps/springs/ D-Unknow ED Size | n, no acces | Photo No. | Spp. (|)bserve ø bølow at Veg. | d Using Feature |

CA=carcass: DP=distinctive parts: FE=feeding evidence: FY=eggs/nest; HO=house/den; OB=observed; SC=scar: SI=other sign; TK=track: VO=vocalization

| ELC | SITE: | | | POLYGON: | | ELC SITE: CEDON POINT | |
|---|---|--|--|---|---|---|--|
| COMMUNITY | SURVEYOR(S): | | DATE: | | UTME: | POLYGON: 8-A | |
| DESCRIPTION & | START: | END: | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - | :ZMUC | UTMN: | DESCRIPTION DATE: Dec (5, 36/1) | |
| OLYGON DESCRIPTION | CRIPTION | | | | | | NIL WILL |
| SYSTEM | SUBSTRATE | TOPOGRAPHIC | 0 | PLANT FORM | 1. 2514 | LAYERS: 1=CANOPY>10m 2=SUB-CANOPY ABUNDANCE CODES: N=NONE R=RARE C | PY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER 0=OCCASIONAL A=ABUNDANT D=DOMINANT |
| TERRESTRIAL WETLAND AQUATIC | D ORGANIC MINERAL SOIL D PARENT MIN. D ACIDIC BEDRK. | | e B INATURAL 40 D CULTURAL 1PE 1ND | D PLANKTON D SUBMERGED D SUBMERGED D FLOATING-LVD. D GFAMINOID D LICHEN D LICHEN D LICHEN D LICHEN D COCTOLOGYTE | DLAKE D. DRUCER D. DRUCER D. MARSAM SWMAP DEEN | SPECIES CODE 15 2 3 4 | NL SPECIES CODE |
| SITE SITE I OPEN WATER I SHALLOW WATER I SURFICIAL DEP. BEDROCK | D BASIC BEDRK. D CARB. BEDRK. | D TAUS D CREVICE / CAVE D ALVAR D REVICE / CAVE D REACH / BAR D BEACH / BAR D SAND DUNE D BLUFF | AVE OVER DOFN DOFN TREED | | S DARREN DARAIRIE D THICKET D SAVANNAH D SAVANNAH E FOREST D PLANTATION | | Mass Sp. B-A genix Mistad (D) |
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| UTM | ACULAFE | | ture Desc | | - | - | Photo N | n Snn | Observe | d Using Feature |
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| UTM | | ire No. & Type | Feature (Diamo | e Size | Vater De | pth | Photo N | o. Sub/Emer Spp. Pr | | Shrubs/ Logs at Edge Present? |
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| Stantec | Fax: (519) | 836-2493 | | | | | | | |
| Project Number: | 16094 | .0709 | | | Pro | ject Name: | CedarPe | int | |
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| Project Number: IGGR IG 75G Project Name: Gala Paint Date: Dec 13, doll Field Personnel: C, Buy HC Weather Conditions: TEMP (*C): WIND: CLOUD: PT: PT: PT (in last 24) Bat Bat Bat Co 26 Light Faiw Mat Paint Mat Paint ELC Polygon: #S-C Assessment Type: Cloud: PT: PT (in last 24) ELC Polygon: #S-C Assessment Type: Contains potential reptile hibernacula testures? Mat Paint Potential reptile / Bat Hibernacula Features: Contains potential reptile hibernacula testures? Or Y / O-N | YA | 1 – 70 South Guelph, ON Canada N1 Tel: (519) 83 | G 4P5 36-6050 | | | | | odland & at Assess | | |
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| Lick PLGC F3-3 Field Personnel: CdCM FG(1) f Date: Dec 15, 2011 Field Personnel: C. Buy HC Weather Conditions: TEMP (*C): WiND: CLOUD: PPT: PPT (in last 241 ELC Polygon: # \$-LO 1-3 LoO */O Light fails Leau fails ELC Polygon: # \$-C Assessment Type: E-Visual; roadside, no access / D-Physical; walk through leature Extent of Physical Investigation of Feature: D-Contains potential reptile hibernacula features? D-Y'/ D-N/ CI-Unknown, no access (*/ yes, describe in table below) Le: field roads a route underground, including burked concets or rock (e.g. founda bridge subments or culvers with arck2-knorp points, explores or inactive submatch scrubers with arck2-knorp points, describe in table below) Lie. karcelee Contains potential bat roosting features? D-Y' / D-N / 2-N/ CP-Unknown, no access (*/ yes, describe in table below) [i.e. karst inperimenting, DBH >25cm, side-facing cavities -10m high in tree] POTENTIAL BAT ROOSTING FEATURE(5) IDENTIFIED < | Stantec | | 36-2493 | | | | | | 1.1. | |
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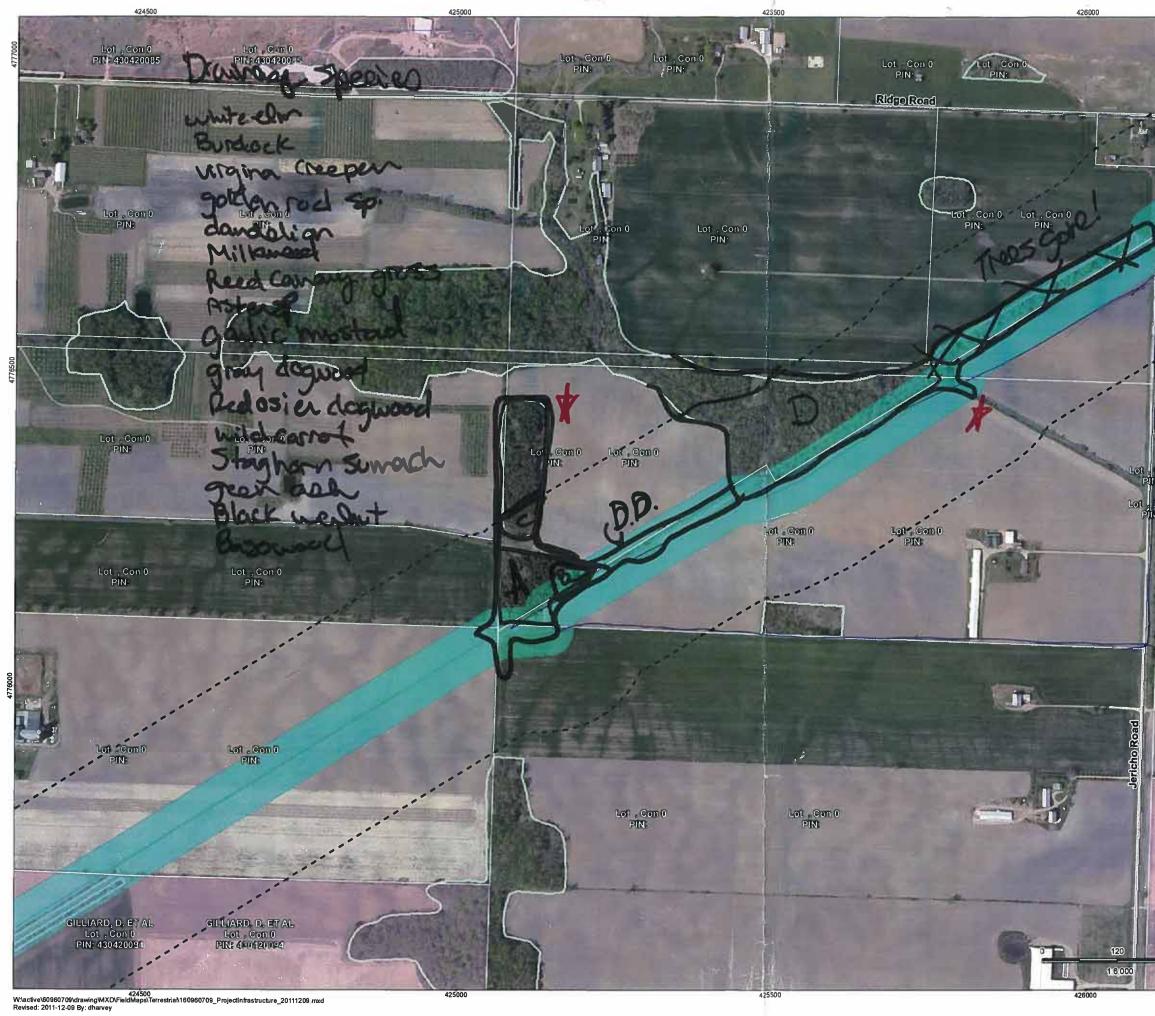
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Notes

- Coordinate System: NAD 1983 UTM Zone 17N 1
- 2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
- 3. Orthographic imagery provided by St. Clair Conservation Authority © First Base Solutions, 2011. Imagery taken in Spring 2006.



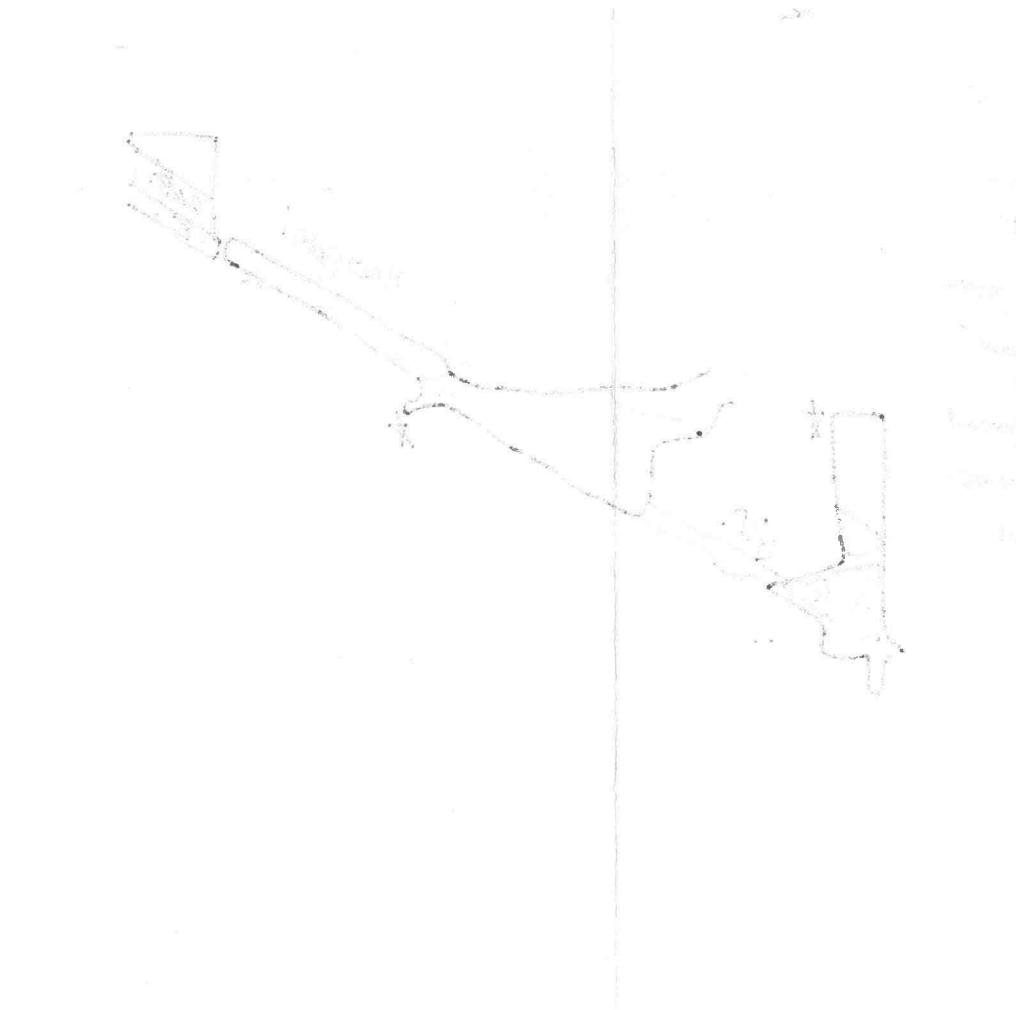
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December, 2011 160960709

Client/Project Suncor Energy Cedar Point Wind Project

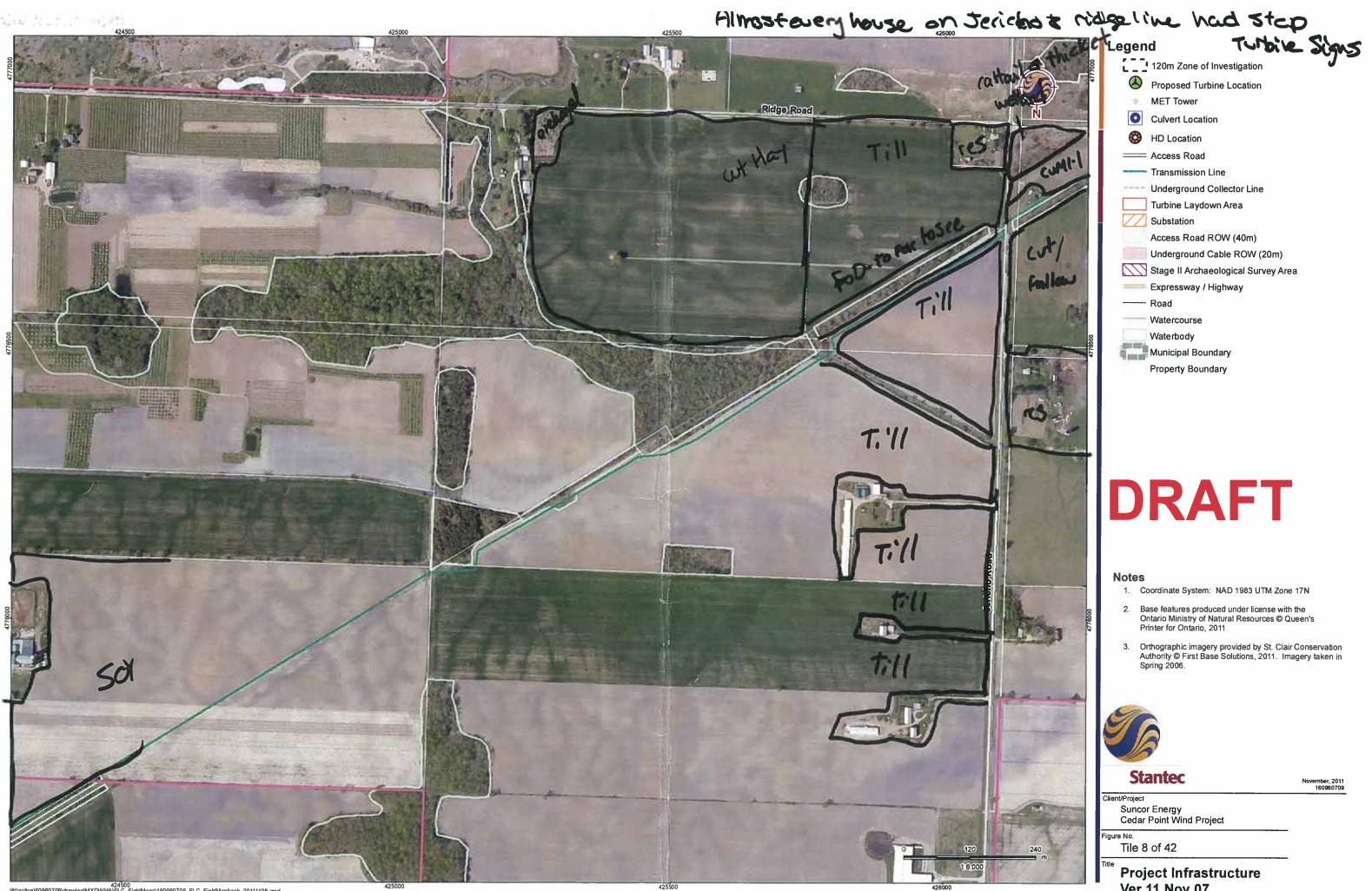
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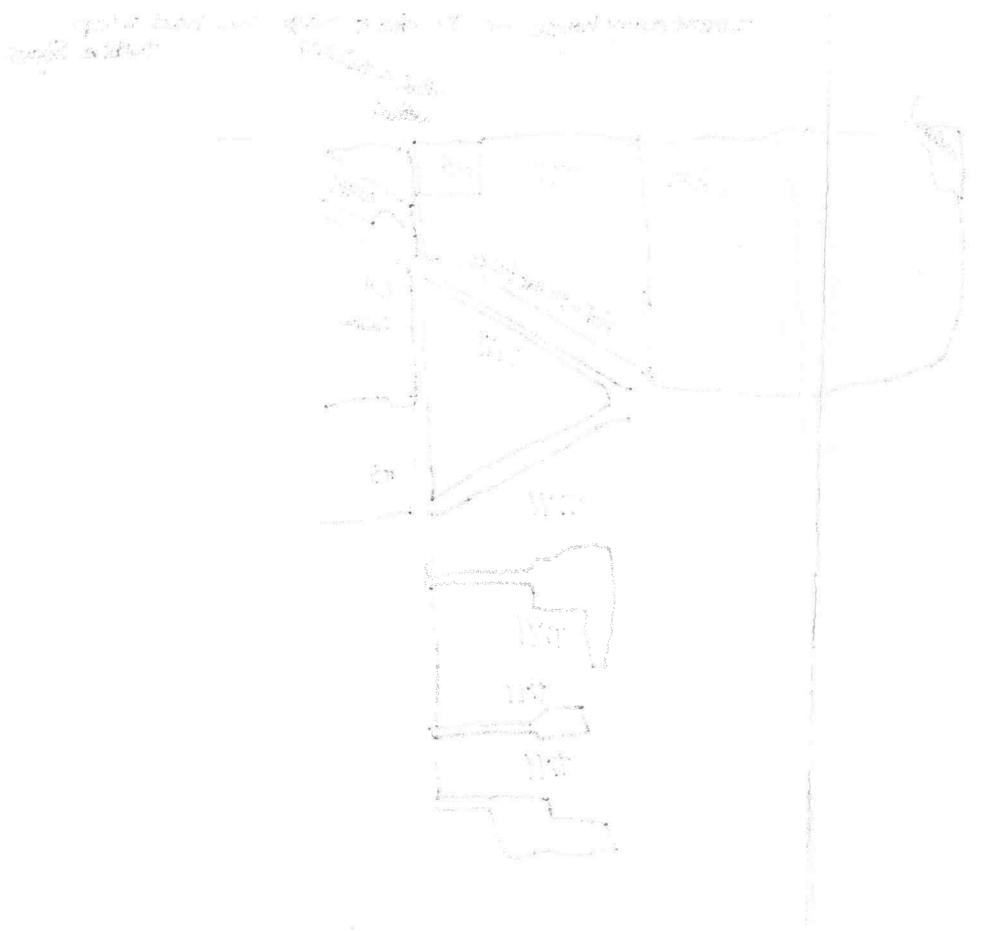
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Legend

- * Assessing 120m Zone of Investigation
- Proposed Turbine Location
- MET Tower Access Road
- Transmission Line
- ---- Underground Collector Line
- Turbine Laydown Area
- Substation

Watercourse

- Expressway / Highway
- ----- Road
- Constructed Drain
- Waterbody Municipal Boundary Property Boundary

Land Status

- Optioned Properties (Suncor)
- NextEra Properties
- ELC Status
- ELC Need Codes
- ELC- Complete

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Notes

- 1. Coordinate System: NAD 1983 UTM Zone 17N
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Suncor Energy Cedar Point Wind Project

Figure No. Tile 8 of 54

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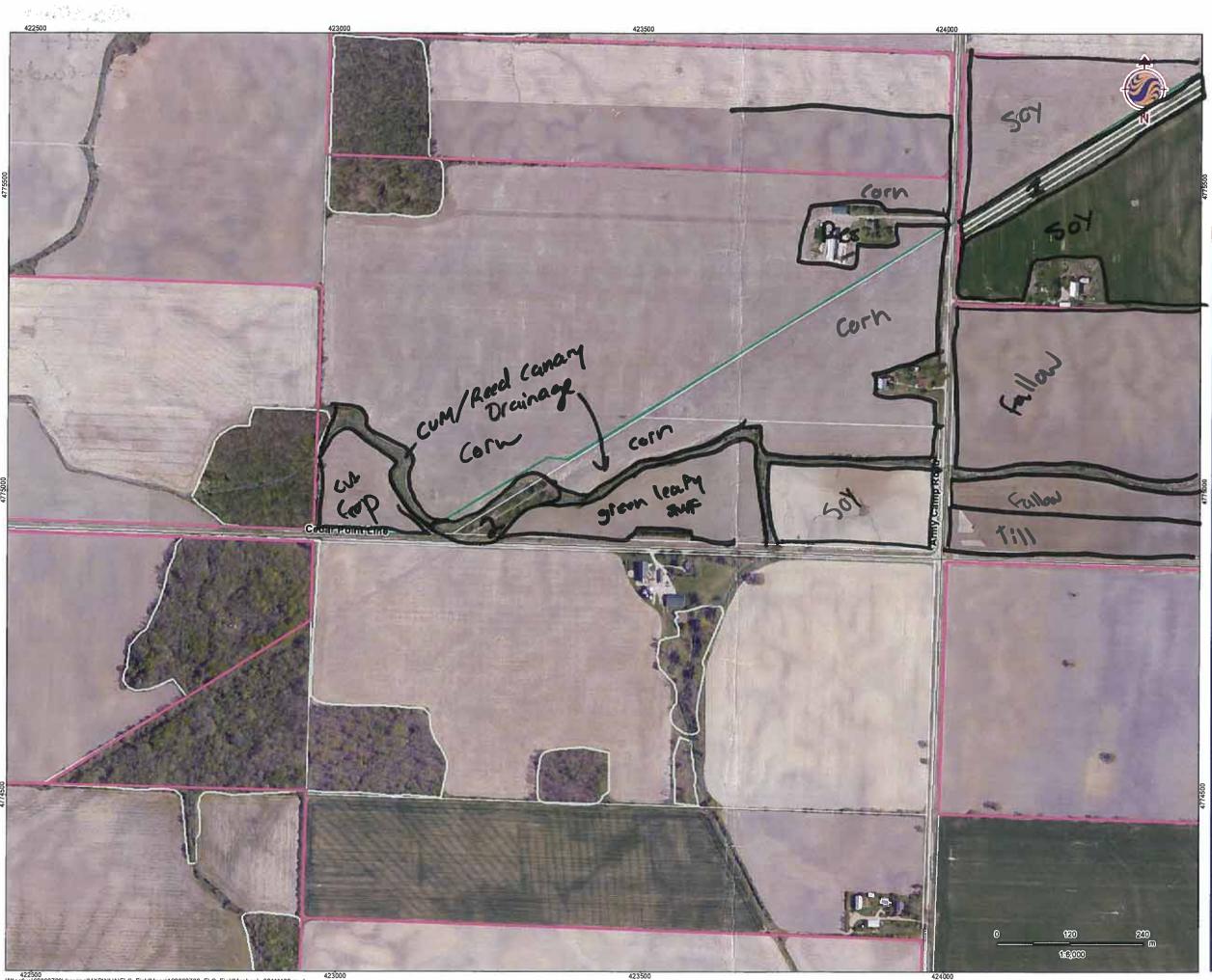
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W/resource/Internal Info and Teams/FIELD FORMS/Vegetation/ELC/elc-woodland-wildlife-habitat-form.docx / (DERIVED FROM LEE ET AL., 1998)

| Stantec | | 1G 4P5 36-6050 | | | | | | | land & Assess | | dlife It Form |
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CA=carcass: DP=distinctive parts: FE=feeding evidence; FY=eggs/nest; HO=house/den; OB=observed; SC=scar: SI=other sign; TK=track; VO=vocalization



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Legend

| 120m Zone of Investigation |
|-------------------------------------|
| Proposed Turbine Location |
| MET Tower |
| Culvert Location |
| O HD Location |
| Access Road |
| Transmission Line |
| Underground Collector Line |
| Turbine Laydown Area |
| Substation |
| Access Road ROW (40m) |
| Underground Cable ROW (20m) |
| Stage II Archaeological Survey Area |
| Expressway / Highway |
| Road |
| Watercourse |
| Waterbody |
| Municipal Boundary |
| Property Boundary |

DRAFT

Notes

- 1. Coordinate System: NAD 1983 UTM Zone 17N
- 2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
- Orthographic imagery provided by St. Clair Conservation Authority © First Base Solutions, 2011. Imagery taken in Spring 2006.



Stantec

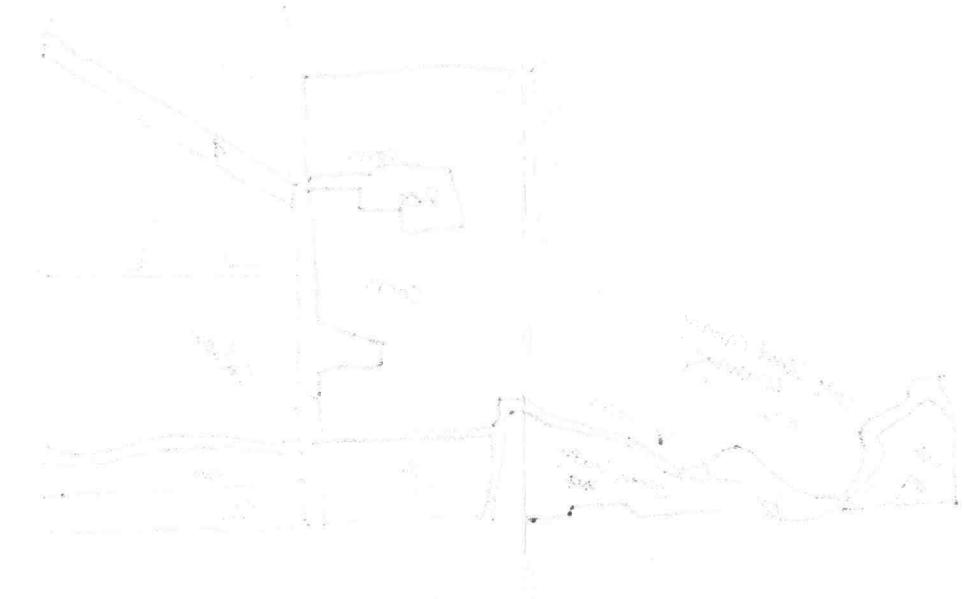
^{Client/Project} Suncor Energy Cedar Point Wind Project

Figure No Tile 9 of 42

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W/resource/Internal Into and Teams/FIELD FORMS/Vegetation/ELC/sic-wood/and-wildlife-habitat-form.docx / (DERIVED FROM LEE ET AL., 1996)

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CA=carcass: DP=distinctive parts: FE=feeding evidence; FY=eggs/nest; HO=house/den; OB=observed; SC=sear: SI=other sign; TK=track, VO=vocalization

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CA=carcass; DP=distinctive parts; FE=feeding evidence; FY=eggs/nest; HO=house/den; OB=observed; SC=seat; SI=other sign; TK=track; VO=vocalization

| DESCRIPTION & START: 2:00 END: 2:15 UTINI: UTINI: UTINI: | COMMUNITY DESCRIPTION & DATE: DESCRIPTION & DATE: CLASSIFICATION SURVEYOR(S) | | |
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| TA | Stantec Consulting 1 – 70 Southgate Dri Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 | | | | | | odland & Wile t Assessmen | |
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| Stantec | Fax: (519) 836-2493 | | | | | | | |
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CA=carcass; DP=distinctive parts: FE=feeding evidence; (Y=eggs/nest; HO=house/den; OB=observed; SC=scar: SI=other sign; TK=track: VO=vocalization

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| ELC STE: COMMUNITY POLYGON: DESCRIPTION & DATE: CLASSIFICATION SURVEYOR(S): | LAYERS: 1=CANOPY>10m 2=SUB-CANOPY ABUNDANCE CODES: N=NONE R=RARE 0 | SPECIES CODE | | 2 | CARCARD 2 | CRATHERNO OIL | | | | | | | | | | | | | | | | | | | | | | | | o | Signature: |
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| 1:30 END: 2:00 DATE: May 3 | TOPOGRAPHIC FEATURE | D LACUSTRINE DI NATURAL D RIVERINE D BOTTOMI AND D CI II TI IDAI | D TERRACE D VALLEY SLOPE | D TABLELAND D ROLL UPLAND | DTAUS | D CREVICE / CAVE COVER | D BEACH / BAR ZTREED | LI SAND DUNE | | CVR SPECIES IN ORDER OF DECREASING DOMINANCE | S FRADENNITAN AVAT | 4 FRAPENN >CAROVAT> | 4 | | 4=10411 x0m 3=2411 510m 4=14 1=0%+CVRs10% 2=10+CVRs25% | | A <10 A 10-24 | A <10 A 10-24 | | N=NONE R=RARE | X MOUNG X MID-AGE | DEPTH TO MOTTI FS/(3) EV | 1 | DEPTH TO BEDROCK: | ION: | | | | mineral deciduales swamp | | |
| COMMUNITY SESCRUPTION & START: // 30 | | IERHESTRIAL DORGANIC WETLAND DAMERALSON | | D ACIDIC BEDRK | D BASIC BEDRIK | OPEN WATER D CARB. BEDRIX | WATER | SURFICIAL DEP. BEDROCK | TAND DESCRIPTION: | LAYER НТ | CANOPY 2 | | UNDERSTOREY | GRD. LAYER 5 4 | S: DENONE | AND COMPOSITION: | ZE CLASS ANALYSIS: | ANDING SNAGS: | ADFALLA.OGS: | 0053 | MIM. AUE: PONER | KTURE: | NSTURE: | MOGENEOUS / VARIABLE | DMMUNITY CLASSIFICATION: | MMUNITY CLASS: | MMUNITY SERIES: | OSITE: Getation type: ^ | Geenad | INCLUSION | COMPLEX |

W:tessourcelintemed into and TeamsFIELD FORMSIVegetationELCelor-woodland-widdle-hebitat-form.obox / (DERIVED FROM LEE ET AL.. 1998)

venel porling >> 20%

| Stantec Project Number Date | Fax: (519) | 000-2490 | | | | | | | |
|---|------------|-------------------------------------|--|--|---|---|---|----------------------|--|
| | r: 160960 | | | | | | | | <u>865, 1 (</u> |
| Date | | 0709 | | + | Pro | oject Name: | Cedar Pa | tw | |
| | " May | 31,2012 | / | | — Field | Personnel: | N. Char | Itm | |
| Weather Conditions: | TEMF 22 | ° (°C): | WIN 2-3 | | CLO 30 | UD: | PPT: | - | PPT (in last 24 hrs) |
| ELC Polygon: #/() ~ Extent of Physical inv | -L | / | | | | | valk through fea dicate on map) | | |
| Reptile / Bat Hiber | | (i.e. brid Col L- (i.e. | Y* / U-N / features th lge abutnies ntains pot Y* / U-N / karst topos | A D-Unkn nat would j nts or culv tential ba D-Unkn graphy, ab | provide a route i erts with cracks it hibernacula | ss ("if yes, inderground, lentry points, features? ss ("if yes, | describe in table including buried | concrete vices or | or rock (e.g. foundation inactive animal burrows |
| UTM | | | ture Desci | | | Photo No | Spp. C | Diserve | d Using Feature |
| | | | | t t × | | | | | |
| POTENTIAL BAT RO UTM | | | ith open s | surround | ings, DBH >2 | 5cm, side-f | table below) acing cavities ~ No. of Cavities | | gh in tree) t and Type of Cavitie |
| | | | | 1 1 | <u> </u> | | | | 1 - 2 - 1 |
| Stick Nests: | | Co Q-1 | ntains larg Y* / QI-N / | ge stick n / Q-Unkn | nests? Iown, no acce | 68 (*if yes, | describe in tabl | le belov | <i>v</i>) |
| STICK NEST(S) IDEN | | | | - | | | | | |
| UTM | 1 | ree ID | Tree | <u>Spp.</u> | Nest Size | Photo No |). Spp. (| Dhserve | d Using Feature |
| Seeps/Springs/Ver | 21 I I I I | ਈ -1 | /*/0-N/ | Q-Unkn | gs/vemal pool own, no acces | s? ss (*if yes, | describe in tabl | le below | 1) |
| UTM | Featu | re No. & Type | Feature (Diamet | Size | Water Depth | Photo No. | Sub/Emerger Spp. Prese | | Shrubs/ Logs at Edg Present? |
| throughout | po | 75 | | | dry | | | | |
| SPECIES & HABITA1 | OBSERVA' | TIONS (list spe | cies and t | vpe of ob | servation & in | dicate on n | nan) | | |
| | | | | | | | | | |

CA=carcaas: DP=distinctive parts: FB=feeding evidence; FY=eggs/nest; HO=house/den; OB=observed; SC=scat; SI=other sign; TK=track; VO=vocalization



Legend

120m Zone of Investigation

Allin

IDC

- Proposed Turbine Location
- MET Tower
- O Culvert Location
- HD Location
- = Access Road
 - Transmission Line
 - Underground Collector Line
 - Turbine Laydown Area
 - Substation
 - = Expressway / Highway
 - Road

a

- Watercourse
 Constructed Drain
- Waterbody
- Municipal Boundary
 - Property Boundary
- Surveyed Areas (Archeology)
- Land Status
 - Optioned Properties (Suncor)
- Forest Lands
- NextEra Properties
- Optioned Properties (Eirin)

DRAFT

Notes

- 1. Coordinate System: NAD 1983 UTM Zone 17N
- 2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011. ©Lambton County 2011.
- Imagery Source- Suncor Energy Includes Material © 2011 of the Queens printer for Ontario. All rights reserved. Imagery Date: 2010



started 11.45

May, 2012 160960709

Client/Project Suncor Energy Cedar Point Wind Project

Figure No. Tile 10 of 54

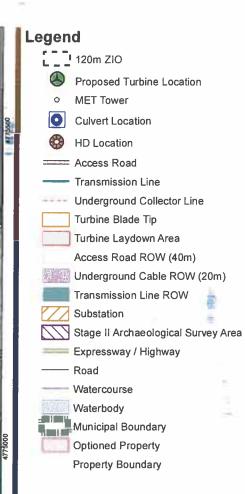
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Project Infrastructure Ver- 12 May 07





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Notes

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Client/Project

Suncor Energy Cedar Point Wind Project

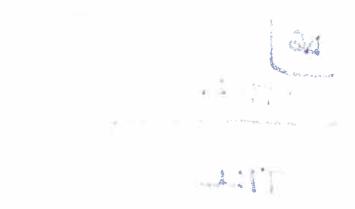
Tile 10 of 44

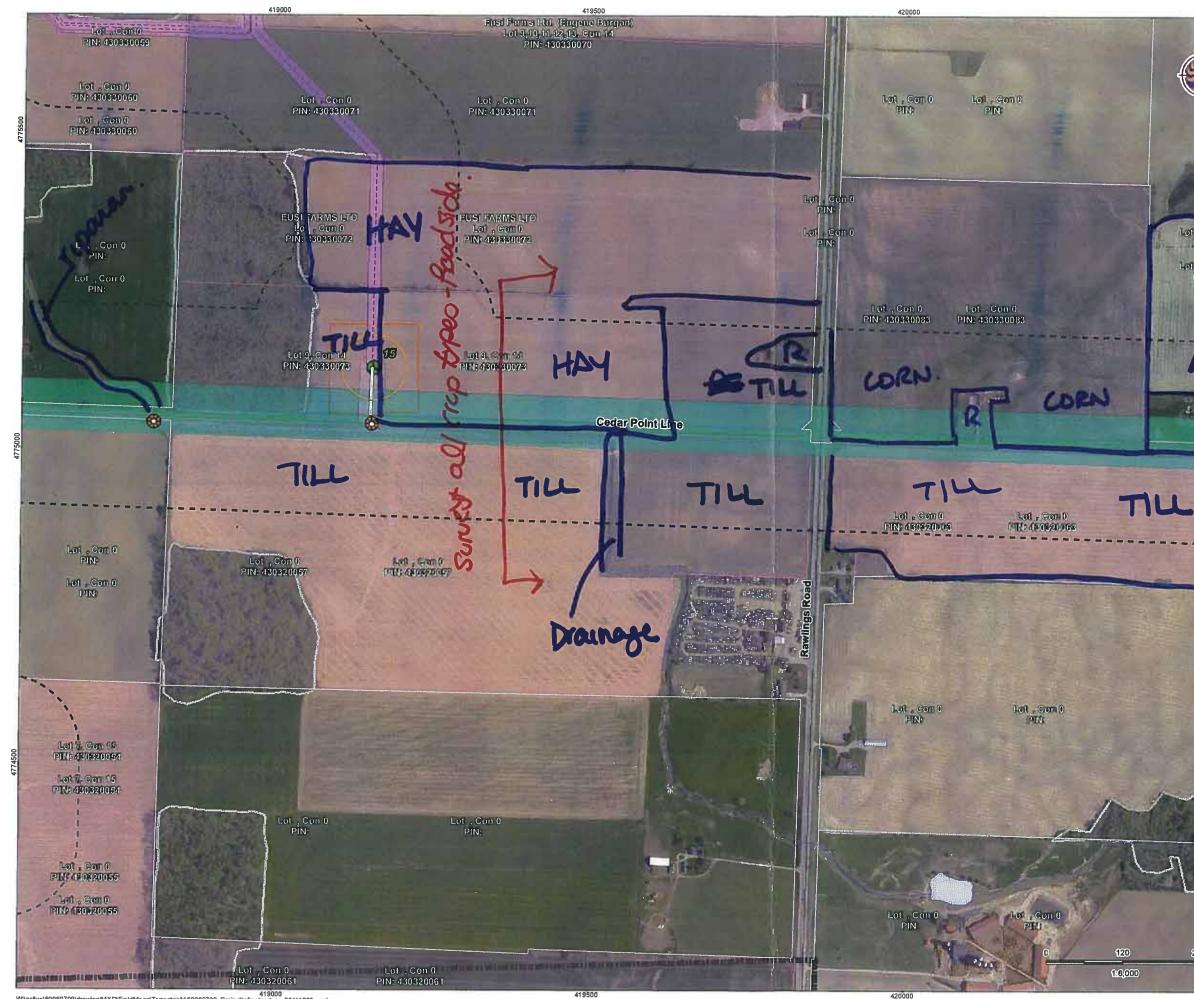
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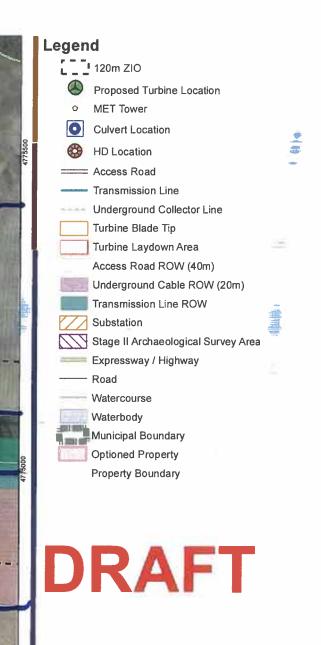
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Notes

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December, 2011 160960709



Stantec

Client/Project

Suncor Energy Cedar Point Wind Project

Figure No Tile 11 of 44

Project Infrastructure Ver- 11 Nov 15 Rev 1

420500

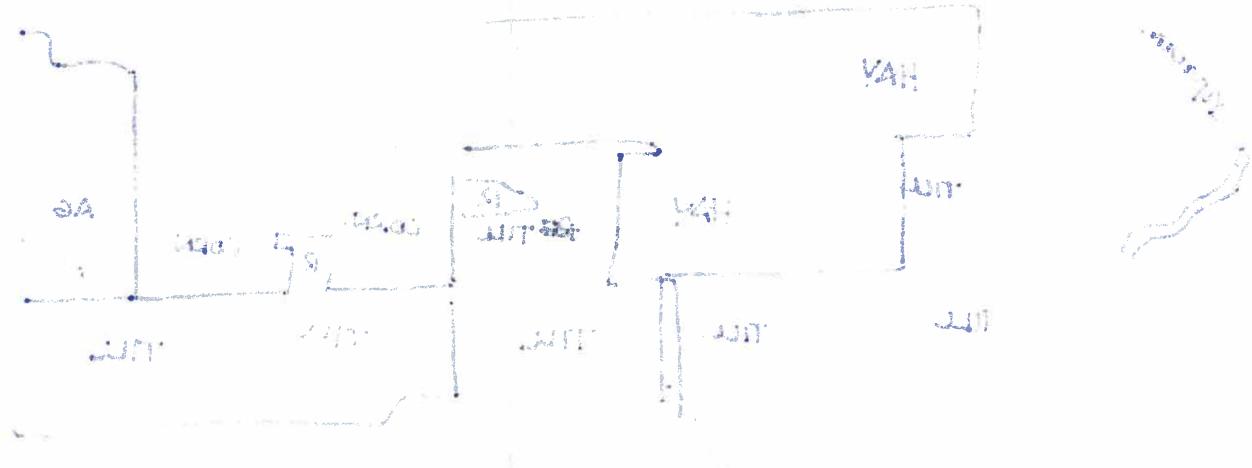
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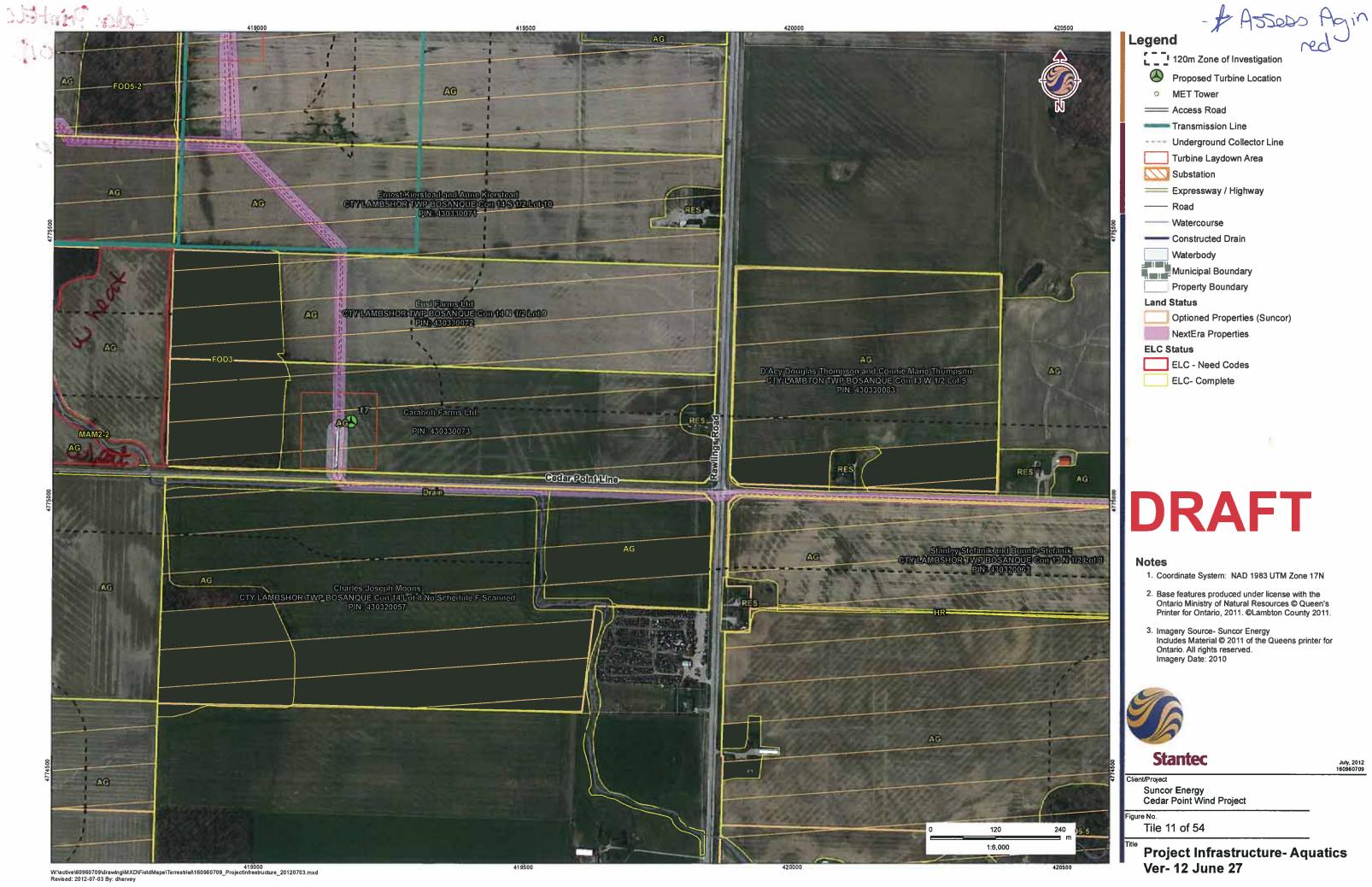
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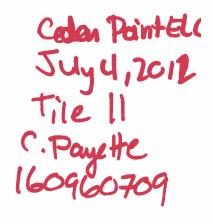


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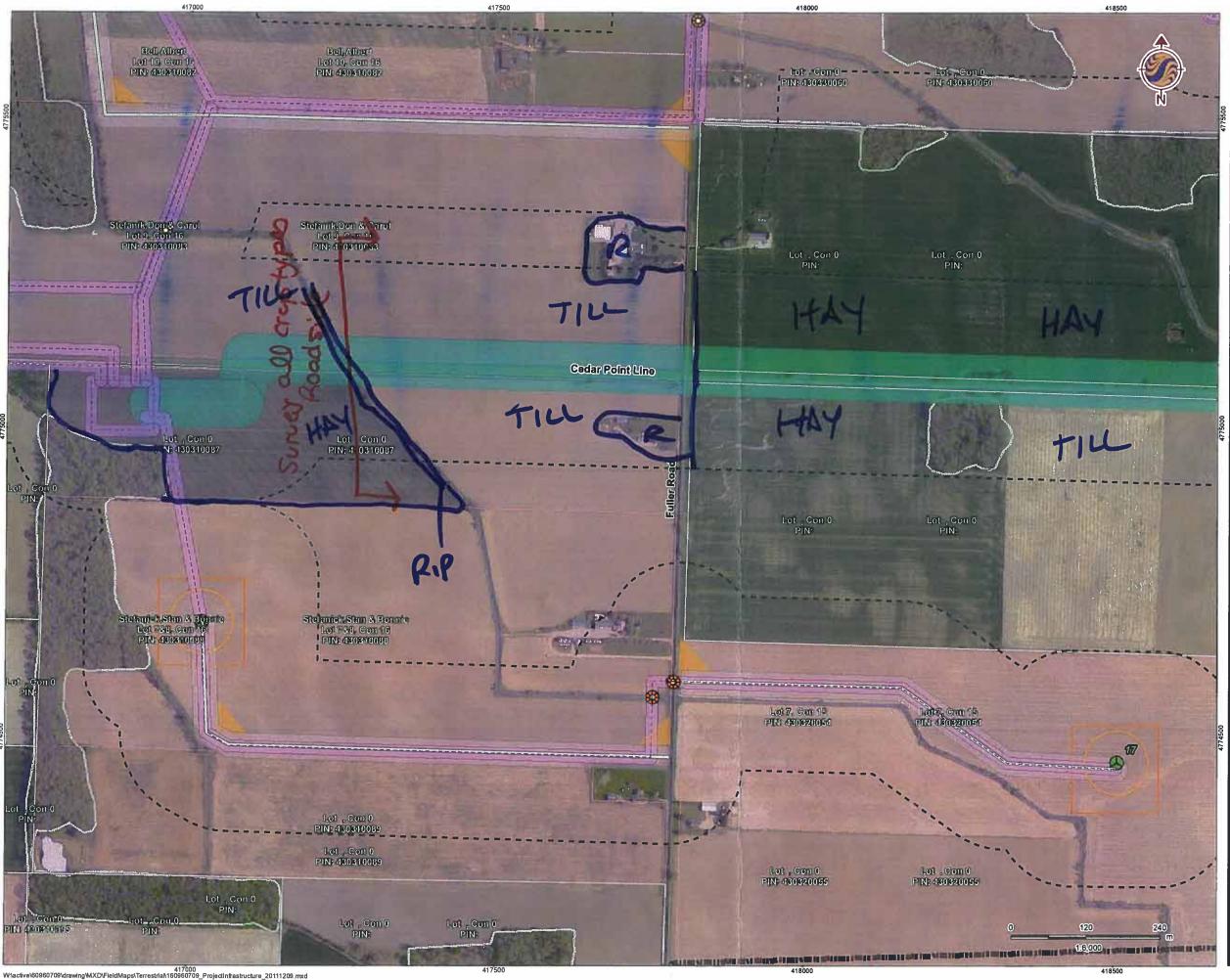
Cedou Point Tile 11 160960709











Revised 2011-12-09 By dharvey

| Legend | l |
|------------|-------------------------------------|
| | 20m ZIO |
| K F | Proposed Turbine Location |
| 0 N | AET Tower |
| 0 | Culvert Location |
| 🛞 н | ID Location |
| P | Access Road |
| 7 | ransmission Line |
| ~~~~ | Inderground Collector Line |
| ٦ 📃 | urbine Blade Tip |
| | urbine Laydown Area |
| A | Access Road ROW (40m) |
| the second | Inderground Cable ROW (20m) |
| Т | ransmission Line ROW |
| | Substation |
| <u> </u> | Stage II Archaeological Survey Area |
| E | Expressway / Highway |
| F | Road |
| —— v | Vatercourse |
| V | Vaterbody |
| | lunicipal Boundary |
| 8772 C | Optioned Property |
| | |

Property Boundary

DRAFT

Notes

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December 2011 160960709



Stantec

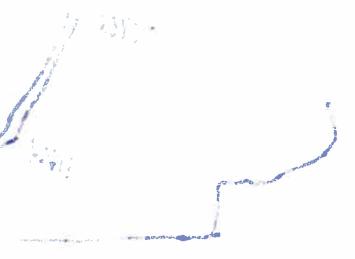
Client/Project

Suncor Energy Cedar Point Wind Project

Figure No. Tile 12 of 44

litle **Project Infrastructure** Ver- 11 Nov 15 Rev 1

CedarPaint Tile 12 160960709





3.9

| ELC | SITE: TILE !! |
|------------------|---|
| | POLYGON: () $\epsilon - 419996$ N - 47751N |
| Plant Species | DATE: Nov. 8/11 1502 h -> 1545h |
| List | SURVEYOR(S): SAM. |

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER ABUNDANCE CODES: R = RARE 0 = OCCASSIONAL A = ABUNDANT D = DOMINANT

| SPECIES CODE | | LA | YEF | 2 | COLL. | | | LA | YER | | |
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| Bur Oak | A | | | | | | | | | | |
| Run Struch. | | | | A | | | | | | | |
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| Ba | b | | | | | | | | | | |
| Bur Oak Run Struh C. intur. Ba Ew | A | A | | | | | | | | - | |
| the Ribes amer. | | | 0 | | | | - | | | | |
| Geim Sp. Callio | | | | D | | | - | | | | |
| Calleo | - | 1 | A | | | | - | | | | |
| | | | | A | | | | | | | |
| Namy | 1 | A | | 191 | | 7.27 | | - | | | |
| Chokelierri | | A | | | | | - | | _ | | |
| Hop Sedge | | 11 | 0 | | | | | | | | |
| Cluc stri | - | | D | | | | _ | | | | |
| P/ Poisonluy Nanny Cholucherry Hop Sedge Glyc. stri. C. crist. Black Maple? Court Gray Band Hs Or Stromb. | | | P | | | | | | | | |
| Rhold Mainlo ? CHALLT | A | | | | | | | | | _ | |
| Grach his | Vaper | D | | | | | | | | | - la |
| Dray 169Wa | M | R | | | | | _ | | | | |
| | 0 | 0 | | | | | _ | | | | 1 |
| Chrimh. | | | | A | | | | | | | |
| 5410 D. | | | | A | | | | | | | 100-10-00 |
| nh | | | <i>i</i> | | | | | | | | |
| Kasp. | | | 0 | | | | | | | | |
| <u>Ms</u> | R | | | | | | | | | | |
| B | Ð | | | - | | | | | | | |
| Ms Ms Ving Cruep. So with Sprace | | | | 0 | | | | | | | |
| S WI. Sprice | A | | | | | | | | | | |
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Ba/Ob/Gu

| MY IN-H The IN POLYGON: In S.J.H. PATE: Nov. 8/11 INZON: In S.J.H. PATE: Nov. 8/11 INZON: In S.J.H. INZ. INZ. In S.S. INZ. INZ. In States InStates InStates In States Instates In | | | Signature: (Project Manag |
|---|---|---|----------------------------------|
| NY Perch Dirty Gon: Status Dare: Nev. 3/1 E TODOGRAPHIC HISTORY PLANTFORM E TOLL PLANTFORM PLANTFORM E TALUS COULTURAL PLANTFORM E TALUS TALUS COULER E PLANTER PLANTFORM E PLANTFORM PLANTFORM E PLANTFORM PLANTFORM E PLANTERNO PLANTFORM E PLANTFORM PLAN | | LAYERS: 1=CANOPY-10m ABUNDANCE CODES: NeNO SPECIES CODE 1 Page of Simulation | (Field Personnel) |
| | 11 POLYGON: () DATE: Nev. 8/11 UTMZ:/77 | HISTORY PLANT FORM MYATURAL PLANKTON MUATURAL BPLANKTON CULTURAL BRANNOLVO BRONNOLVO BRANNOLVO BRYOPHYTE BRYOPHYTE COVER DINKED COVER DINKED COVER DINKED BRYOPHYTE BRYOPHYTE COVER BRYOPHYTE CONFEROUGS ACONFEROUGS CONFEROUGS ACONFEROUGS CONFEROUGS ACONFEROUGS CONFERENCE BRYOPHYTE CONFERENCE ACONFEROUGS CONFERENCE ACONFEROUGS CALLANS CONFERENCE CALLANS CONFERENCE CALLANS CONFERENCE ATTINE ACONFERENCE MID-AGE MATURE MID-AGE ATTINE CODE CODE CODE CODE | CODE: |
| ELC ommunit scription scription scription scription system system system streation best composi compos | SITE: CECEN POINT -TI SURVEYOR(S): S.A.M. N& START: ON START: SCRIPTION | | Evidence of Disturbance / Notes: |

W/tesource/Internal Info and TeamsIFIELD FORMSIVegelationIELCtelc-woodland-wildlife-habitat-form.doox / (DERIVED FROM LEE ET AL., 1998)

| Stantec | Stantec Consultin 1 – 70 Southgate D Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | rive | | | | oodland & at Assess | | |
|--|---|--|---|--------------------------------|--|----------------------------|---------------------|--|
| Project Number: | Tile 11 | | | P | roject Name | e: Cedar | Deint | |
| Date: | Nov.8/11 | | | | d Personne | | | |
| Weather Conditions: | TEMP (°C): | 1 | VIND: 2 | | | PPT: | ~ | PPT (in last 24 hrs |
| ELC Polygon: # Extent of Physical Inve | Assessment Typ stigation of Feature | e: □-Visual; e: □-Entire / | roadside, r | no access / 🔽 walk through | -Physical; polygon <i>(ir</i> | walk through fe | ature | |
| Reptile / Bat Hibern | | □-Y*/0 [i.e. feature: bridge abuth Contains r □-Y*/0 [i.e. karst to | N / D-Unkn s that would p ments or culv cotential bar N / D-Unkn pography, abr | erts with cracks | ess (*if yes, underground contry points features? ess (*if yes | describe in tab | concret vices of | e or rock (e.g. foundation inactive animal burrow |
| UTM | | Feature De | | | Photo No | Snn. (| heerva | ed Using Feature |
| | | | | | | Spp. c | 7030170 | d Using reature |
| OTENTIAL BAT ROO UTM | STING FEATURE() Iree ID Tree S | 5) IDENTIFI | ED | | | acing cavities ~ | | gh in tree] t and Type of Cavitie |
| tick Nests: | | Contains la | arge stick ne | ests? | | | | |
| FICK NEST(S) IDENTI | FIFD | 0-Y*/04 | I / 🛛 - Unkno | wn, no acces | ss (*if yes, d | describe in table | e belov | v) |
| UTM | Tree ID | Tre | e Spp. | Nest Size | Photo No | . Spp. O | bserve | d Using Feature |
| eeps/Springs/Verna EEP / SPRING / VERNA | | U-Y*/10-N | / -Unkno | s/vernal pools wn, no acces | s? s (*if yes, c | lescribe in table | below |) |
| UTM | Feature No. & T | 1 | e Size | ater Depth | Photo No. | Sub/Emergen Spp. Preser | | Shrubs/ Logs at Edg Present? |
| ECIES & HABITAT O | BSERVATIONS (II) | t species and | tune of obse | munica e in | | | | |
| | | | | | | | | |

=carcass; DP=distinctive parts; FE=feeding evidence; FY=eggs/nest; HO=house/den; OB=observed; SC=scat; SI=other sign; TK=track; VO=vocalization

| ELC | SITE: Tile 12 |
|------------------|---------------------|
| | POLYGON: $D \neq Q$ |
| Plant Species | DATE: Nov.9/11 |
| List | SURVEYOR(S): SAM |

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER ABUNDANCE CODES: R = RARE O = OCCASSIONAL A = ABUNDANT D = DOMINANT

| SPECIES CODE | | LA | YER | | COLL. | SPECIES CODE | | LAY | 'ER | | COLL. |
|--------------------------------|-----|-----|-----|---|-------|--------------------------------|---|-----------|-----|-----|------------------------------|
| SPECIES CODE | 1 | 2 | 3 | 4 | COLL. | | 1 | 2 | 3 | 4 | COLL. |
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| Gran Doj. | | - | | | | 0, 3) B1 * 0 | D | | | | |
| cela Co Aster | | | | | | Gray's Sebge | | | | | |
| Ms | D | | | | | Gray Bog we | | | | | |
| M.s. Bd | Ø | | | | | Gray Bog wed Ribes amer. | | | | | |
| Canco | | | | | | Cu (4) | A | | | | |
| Colol'an | | | | | | Burbock vernel pe | ey ma | phy | 1 | | |
| Genter | | | | | | Burdock vernal pe | els | | | | |
| Gentre Rasp. Ribes anev. | | | | | | Rosp | | | | | |
| Ribes anev. | | | | | | Geum | | | | | |
| Ob , (photos | p33 | 61 | -34 | 4 | | Aw O | 0 | | | | |
| Strand E- | 41 | 18. | 20- | 4 | | Hs Con Buck | | A | | | |
| Chommis N- | 47 | 75 | 65 | 9 | | Con Buek | | | | | |
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| grape R.O.D. | | | | | | Abuny E- | 41 | 82 | -82 | - | |
| R.O.D. | | | | | | 10-1 | 1 | 74 | 98 | 4 | |
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| COMMUNITY DESCRIPTION START: SURVEYOR(S): S.A. N. DATE: U.V. M. CASSIFICATION CLASSIFICATION SYSTEM START: END: UTMZ: TT POLYGON DESCRIPTION START: END: UTMZ: TT POLYGON DESCRIPTION SYSTEM SUBSTRATE TOPOGRAPHIC INTRUS PLANTFORN DWETLAND SWINERAL SOIL END: TOPOGRAPHIC INTRUS PLANTFORN DWETLAND SMINERAL SOIL END: TOPOGRAPHIC INTRUS PLANTFORN DAGING BEDRK BASIN BEDRK ERATURE ACONTRAL ERATURE INTRUS ERATURE INTRUS ERATURE INTRUS SITE DAGING BEDRK ERATURE INTRUS ERATURE INTRUS ERATURE INTRUS ERATURE INTRUS SITE DAGING BEDRK ERATURE INTRUS ERATURE INTRUS ERATURE INTRUS ERATURE INTRUS SITE DAGING BEDRK ERATURE INTRUS ERATURE INTRUS ERATURE INTRUS SITE DAGING BEDRK ERATURE INTRUS ERATURE INTRUS ERATURE INTRUS SUMDERSCRIPTON LAVER ACV FOR CONFRANCE | UTME:H920F UTME:H920F UTME:H920F UTMP:H920F ANT I UDD Comment Comment UTMP:H920F UTMP:H920F UTMP:H920F UTMP:H920F UTMP:H920F UTMP:H920F UTMP:H920F UTMP:H920F UTMP:H920F | ELC POLYGON: COMMUNITY DESCRIPTION & DATE: CAMMUNITY DESCRIPTION & SURVEYOR(S): LAYERS: 1=CANOPY>10m Z=SUB-CANOPY ATE: CLASSIFICATION & SURVEYOR(S): CLASSIFICATION & SURVEYOR(S): ATE: CLASSIFICATION & COLL. CLASSIFICATION & CLASSIFICATION & CLASSIFIC | |
|--|---|--|--|
| HOMOGENEOUS / VARIABLE DEPTH TO BEDROCK: COMMUNITY CLASSIFICATION: | $\frac{7}{2/20}$ (cm) | | |
| COMMUNITY CLASSIFICATION: COMMUNITY CLASS: COMMUNITY SERIES: ECOSITE: ECOSITE: VEGETATION TYPE: Fresh-Haist Street Haple - White Chin | CODE: FO CODE: FO CODE: FOD CODE: FOD FOD A | | |
| | CODE: CODE: | Pageof | Quality Control: This form is complete |

W/tresource/Internal Info and Teams/FIELD FORMS/Vegetation/ELC/elc-wood/and-wild/ife-habitat-form.docx / (DERIVED FROM LEE ET AL., 1988)

| Stantec | Stantec Consul 1 – 70 Southgate Guelph, ON Canada N1G 4F Tel: (519) 836-60 Fax: (519) 836-2 | e Drive 25 050 | | | | | odland & It Assess | | |
|---|--|--|---|---|--|--|---|----------------------|--|
| Project Number: | Tile 12 | | | | Pro | ject Name: | Cedar | point | ŀ |
| Date: | Nov.9/ | 11 | | | Field | Personnel: | | | |
| Weather Conditions: | TEMP (°C) 20 | : | WIND: 1-2 | | CLOI 70 | JD: | PPT: | | PPT (in last 24 hrs): |
| ELC Polygon: # | • • | | | | | | /alk through fea | iture | |
| Reptile / Bat Hiberr | nacula Feature | □-Y* [i.e. fe bridge Conta □-Y* | atures that wou abutments or c ains potential | nknown ald provid culverts v bat hib nknown | , no acces de a route u vith cracks/ ernacula f , no acces | ss (*if yes, nderground, entry points, eatures? ss (*if yes, | describe in tabl | concrete vices or | or rock (e.g. foundations, inactive animal burrows) |
| POTENTIAL HIBERN | ACULA FEATU | the second s | | , | | | | | |
| UTM | | Featu | re Description | 1 | | Photo No | . Spp. C | bserve | d Using Feature |
| Bat Roosting Featu POTENTIAL BAT RO UTM | □-Y* [i.e. ta OSTING FEATU | / 29-N / 02-U all trees with RE(S) IDEN | | access indings, | (*if yes, d | icm, side-fa | table below) acing cavities ~ No. of Cavities | | gh in tree] t and Type of Cavities |
| | | | | | | | | | |
| Stick Nests: | | | ains large stic | | | s (*if ves | describe in tabl | a halay | d. |
| STICK NEST(S) IDEN | FIFIED | <u> </u> | 7 yaz=147 Ga=O1 | IKI IOWI I | , no acces | is (11 yes, 1 | | e Delov | /) |
| UTM | Tree I | D | Tree Spp. | | Nest Size | Photo No | . Spp. C | bserve | d Using Feature |
| Seeps/Springs/Verr | | Q-Y* | | | | | describe in tabl | e below |) |
| SEEP / SPRING / VERI UTM | Feature No | T | ENTIFIED Feature Size (Diameter) | Wate | r Depth | Photo No. | Sub/Emergen Spp. Prese | | Shrubs/ Logs at Edge Present? |
| | | | | <u> </u> | | | | | |
| SPECIES & HABITAT | OBSERVATION | S (list specie | es and type of | observa | tion & inc | licate on m | ap) | | |
| UTM SPECIES & HABITAT | | . & Type | (Diameter) | <u> </u> | | | Spp. Prese | | Shrubs' Logs at L Present? |

CA=carcass; DP=distinctive parts; FE=feeding evidence; FY=eggs/nest; HO=house/den; OB=observed; SC=scat; SI=other sign; TK=track; VO=vocalization

| | | Signature: (Project Manager) |
|---|---|---|
| ELC SITE: COMMUNITY POLYGON: DESCRIPTION & DATE: CLASSIFICATION SURVEYOR(S): | LAYERS: 1=CANOPY=10m 2=SUB-CANOPY ABUNDANCE CODES: N=NONE R=RARE 0 SPECIES CODE 1 2 3 4 0 CODE 1 2 3 4 0 C | AN. |
| V. 9/11 UTME:418387 UTME:418387 UTMI:77 UTMN:774989 | COMMUNITY COMMUNITY COMMUNITY RIVER RIVER REAM MARSH RAREAM MARSH RAREAM MARSH RAREAM BARREN MARSH BARREN MARSH BARREN BAREN BAREN BAREN BAREN BAREN BAREN B | СОДЕ: |
| loy Point - Tipe 12 S.A.m. DATE: No END: | | tes: |
| ELC SITE: Cec community bescription & START: CLASSIFICATION POLYGON DESCRIPTION | | COMPLEX Evidence of Disturbance / Notes: |

W/vesource/Internal Info and Teams/FIELD FORMS/vegetation/ELC/elc-woodland-wildlife-habitat-form.docx / (DERIVED FROM LEE ET AL., 1988)

| Stantec | 1 – 70 Sc Guelph, 0 Canada Tel: (519) | | | | | | | | | dland & Assessi | | |
|--|--|--------------------|---|---|---|-----------------------------------|--|---|----------------|--|---------------------|--|
| Project Number: | -T.) | P 12 | | ******** | | | Pr | oject Name | : | Cedarle | rint | |
| Date: | | Vov. 91 | h | | | | | l Personnel | | Cedarla S.A.1 | Μ. | |
| Weather Conditions: | TEN | MP (°C): 20 | | WIND | : | | CLC | DD: | | PPT: | | PPT (in last 24 hrs): |
| ELC Polygon: # | | | | | | | | | | k through fea ate on map) | ture | 1 |
| Reptile / Bat Hiberr | | | □-Y [*] [i.e. f bridg Cont □-Y [*] [i.e. k | * / Q-N / C eatures that e abutments tains poter * / M-N / C carst topogra | J-Un woul or contraintial J-Un | know Id provulverts bat hil | n, no acce ide a route to with cracks bernacula n, no acce | inderground /entry points features? ss (*if yes, | , inc , exj | scribe in table Iuding buried c posed rock crev scribe in table | oncrete rices or | or rock (e.g. foundations, inactive animal burrows) |
| POTENTIAL HIBERN UTM | ACULA F | EATURE(S | | | tion | | | DL.4. N | | 6 0 | | |
| UIW | | | Featt | ire Descrij | prion | | | Photo No | 0. | Spp. O | bserve | d Using Feature |
| POTENTIAL BAT ROO UTM | OSTING I Tree ID | EATURE(S BurOak | es wit | h open su NTIFIED | rrour Photo | ndings | 5, DBH >2 Decay C | 5cm, side-1 | facii | ng cavities ~1 | | t and Type of Cavities |
| Stick Nests: | | | | ains large | stic | k nest | s? | ss (*if yes, | | scribe in table | | |
| STICK NEST(S) IDEN | | | 1 | | | | | 1 | | | | |
| UTM | | Tree ID | | Tree Sp | op. | | Nest Size | Photo No | 0. | Spp. O | bserve | d Using Feature |
| Seeps/Springs/Vern SEEP / SPRING / VERN | | | X-Y* | ains seeps / | I-Unl | | | | des | scribe in table | below | () |
| UTM | | ure No. & T | | Feature Si (Diameter | ze | Wat | er Depth | Photo No | | Sub/Emergent Spp. Preser | | Shrubs/ Logs at Edge Present? |
| 418282/4114 | 189 Varn | al Pools | 2 | + motry | | | 2 | 103365-31 | 3 | 2. | | Tresent: |
| SPECIES & HABITAT | OBSERV. | ATIONS (lis | t speci | ies and typ | e of (| observ | vation & in | dicate on n | nap) | <u>)</u> | | |

CA=carcass; DP=distinctive parts; FE=feeding evidence; FY=eggs/nest; HO=house/den; OB=observed; SC=scat; SI=other sign; TK=track; VO=vocalization

| ELC | SITE: Tile 12 |
|------------------|------------------|
| | POLYGON: 3 |
| Plant Species | DATE: Nov. 9/11 |
| List | SURVEYOR(S): JAM |

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER ABUNDANCE CODES: R = RARE 0 = OCCASSIONAL A = ABUNDANT D = DOMINANT

| | | LAY | 'ER | | 0011 | | | | LA | YER | 1 | COLL. |
|---|------|-----|-----|----|-------|---|---------------------------------------|-----|-----|-----|-----------|-----------|
| SPECIES CODE | 1 | 2 | 3 | 4 | COLL. | A | SPECIES CODE | 1 | 2 | 3 | 4 | COLL. |
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| FAW | | | | | | | En Q BJ 3 | D | | | | |
| p) | | | | | | | BJ Ø | D | | | | |
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| | | | | | | | | Ø | | | | |
| Ms Or | 0 | | | | | | Ob As Pl | R | | | | |
| MI | b | | | | | | PI | | 1 | | | |
| Bà | | | | | | | Glycath Striate | 1 | | | | |
| hoke. | | | | | | | Mn | R | | | | |
| Garlic hus | - | | | | | | Grey Dog | | | 1 | | |
| Rasp | | | | | | | Gray Dog C. aret. | | | | | |
| Mh Bd Choke Gavilic hust Rasp BSNAShd. BSNAShd. Gent BE Com BE Com BE | | | | | | | Horay seek le | | | | | |
| Inch. Ntstd | | | | | | | Or | 0 | | | 4 | > |
| Gent | | | | | | | Strayh | | | | ch | ×. |
| Be | | | | | | | Pur. Strawb | | | | | |
| I'm Straib. | | | | | | | Chope | | | | | |
|]] | | A | | | | | Or Stravb. Rw. Strawb Cholse | | 1 | | | / |
| ld Bd Hs Fringed Luese Riber | | | | | | | | | | - | / | |
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| Fringed Loose | | | | | | | | 0 | / | | | |
| Ribes | | | | | | | (Tile 1 | 7 | R | | | |
| 2 | | | | | | | V NO | 14(| 1) | | \square | |
| - | | | | | | | R C | | | | \square | |
| 1. 1. | | | | | | | FOD 5-3 |) | | | | E., E., . |
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| photos 1033. | 74 - | 10 | 33 | // | | | 10 horts 10337 | 8-3 | 82 | | 1 | |

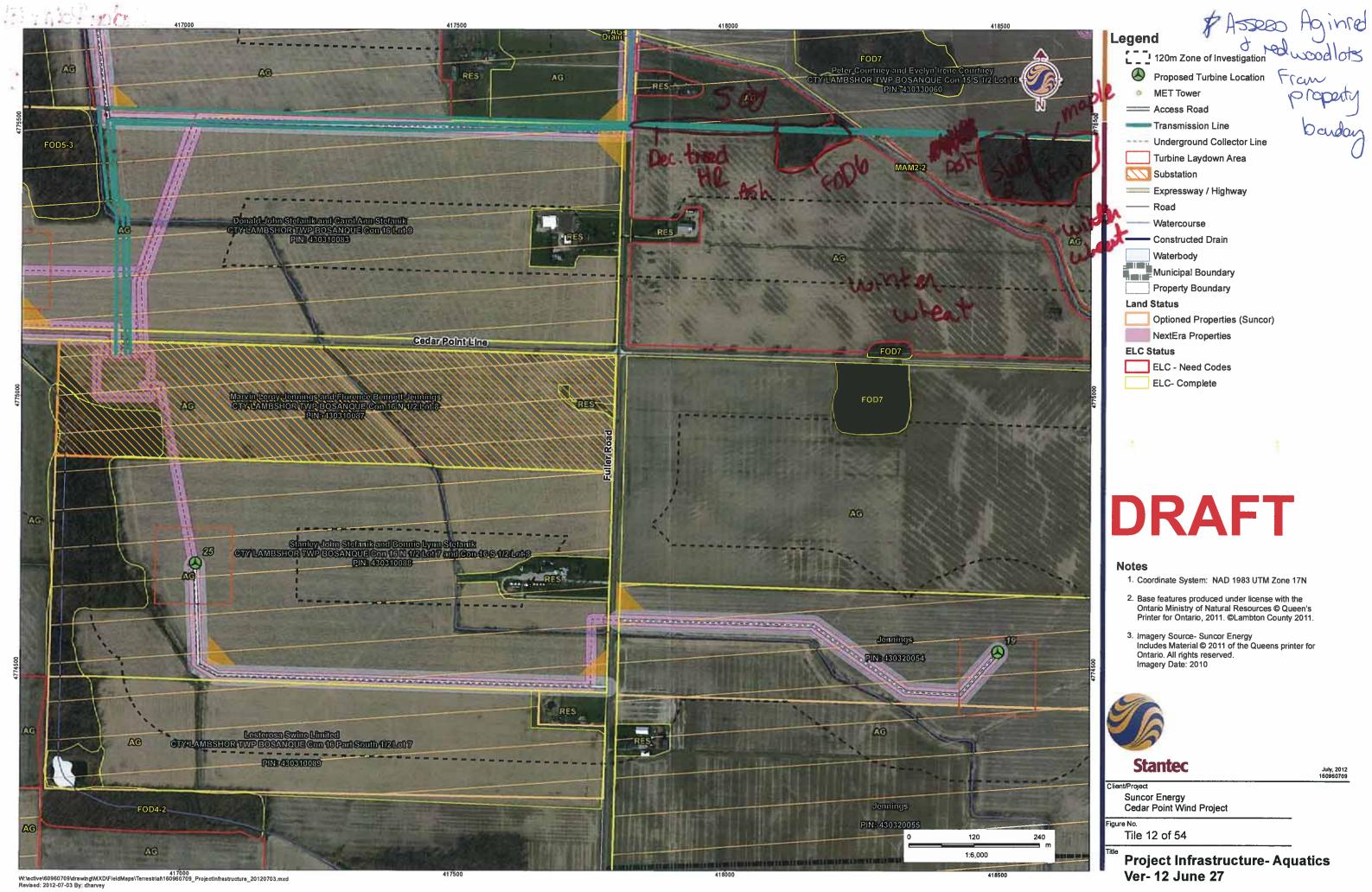
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| | | | SUB-CANOPY 3=1 INDERSTOREY | R=RARE 0=0 | - COLL. SPECIES CODE | 4 3 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Quality Control: This form is complete 🗖 & legible 🗖. | Signature: | nel) (Project Manager) |
|-----------------|------------------------|------------------------|----------------------------|----------------------|----------------------|----------------|-------------------------|---|------------------|---------------------------|-----------------------|--------------------|--------------------|--|---------------------------------|-----------------------|-------------------------|---------------------|--------------------------------|--|--------------------|----------------------|---------|-----------------|------------------------------------|----------------------|------------|---------------------|--------------------|------------------------|---------------------------|------------------|-------------------|----------|------------------------------|--------|---|------------|----------------------------------|
| FI C SITE: | COMMUNITY | | Г | ABUNDANCE CODES: N=N | SPECIES CODE | - | | | Z | | IT NAH | AND | VTION | | AL TO) | | | Rispleny / Ailochal | Strawb. bush ANIW | 7=HT<0.2m | | | nex | >50 | >50 | | OLD GROWIH | | | (cm) | (cm) | | | | | | Page of | Signature: | (Field Personnel) |
| POLYGON: | | UTMZ: 177 UTMN; 77493, | | RY PLANT FORM | D PLANKTON | D FLOATING-LVD | D FORB D MARSH | D BRYOPHYTE D FEN D BDECIDUOUS D BOG | | | | E WOODLAND | | SPECIES IN ORDER OF DECREASING DOMINANCE | V; >GREATER THAN; = ABOUT EQUAL | > Red ork > white 6/m | ron wood > Challe Chang | | Night Shade Beum >p >pun. Shaw | IT≤0.5m | h /d BA: | A DE EN N | A 20-00 | 0 25-50 N | 25-50 R | | INALORE | | g= // // G= | 11/4 | - | cone. | LC | EU | FUNK | LODJ | CODE: | CODE: | |
| Poin | .1 | END: | TOPOGRAPHIC | FEATURE | D LACUSTRINE | | | | | DALVAR DOP | D BEACH / BAR D TREED | SAND DUNE BLUFF | | | VR (>>MUC! | Sugar Maple > | Sugar Manhe >1 | 10 | 4 Encranted Nights1 | 1=>25m 2=10 <ht225m 3="2<HT510m" 4="1<HT52m" 5="0.5<HT51m" 6="0.2<HT50.5m<br">0=NONE 1=0%<cvr510% 2="10<CVR525%" 3="25<CVR560%" 4="CVR560%</td"><td></td><td>A <10 A 10</td><td></td><td>0</td><td>M-MONE P-24</td><td></td><td></td><td>Provent and and and</td><td>DEPTH OF OPCANICS.</td><td>DEPTH TO REDDOCK-</td><td></td><td></td><td></td><td></td><td>Sugar Maple</td><td>(nono)</td><td>/</td><td></td><td>is:</td></cvr510%></ht225m> | | A <10 A 10 | | 0 | M-MONE P-24 | | | Provent and and and | DEPTH OF OPCANICS. | DEPTH TO REDDOCK- | | | | | Sugar Maple | (nono) | / | | is: |
| ELC SITE: Cedar | COMMUNITY SURVEYOR(S): | CLASSIFICATION | POLYGON DESCRIPTION | | RIAL | 0 | D AQUATIC D PARENT MIN. | D ACIDIC BEDRK | SITE DASIC BEDRK | DOPEN WATER D CARB. BEDRK | U SHALLOW | DI BEDROCK | STAND DESCRIPTION: | 5 | | | _ | 3 UNDERSTOREY 6 | GRU. LATER | 1=>25m 5: 0=NONE | STAND COMPOSITION: | SIZE CLASS ANALYSIS: | | STANDING SNAGS: | DEAUFALL/LOGS: ABUNDANCE CODES: | COMM. AGE: I PIONFER | VSIS: | TEXTIDE. | MOISTURE: | HOMOGENEOUS / VARIABLE | COMMUNITY CLASSIFICATION: | COMMUNITY CLASS: | COMMUNITY SERIES: | ECOSITE: | VEGETATION TYPE: Dry - Fresh | | INCLUSION | COMPLEX | Evidence of Disturbance / Notes: |

W/vesource/Internal Info and Teams/FIELD FORMS/Vegetation/ELC/elc-wood/and-wild/ife-habitat-form.dox / (DERIVED FROM LEE ET AL., 1988)

| Stantec | Stantec Co 1 – 70 Sout Guelph, ON Canada N1 Tel: (519) 8 Fax: (519) 8 | G 4P5 36-6050 | | | | | odland & Assessi | | |
|------------------------|---|---|---|---|--|--|---|-----------------------|--|
| Project Number: | Tile 3 | 3 | | | Proj | ect Name: | Cedar. | p4. | |
| Date: | | and the second se | | | Field F | - Personnel: _ | Ceder, S.A | ι.μ. | |
| Weather Conditions: | TEMP | ? (°C): | WIND | : | CLOU 70 | ID: | PPT: | | PPT (in last 24 hrs): |
| ELC Polygon: #3 | Assessn | nent Type: 🛛-\ | /isual; road | dside, n | io access / 💐-F | Physical; wa | alk through fea | ture | |
| Extent of Physical Inv | - estigation o | f Feature: 🛛-E | Entire / 🖄 🖓 | Partial, | walk through p | olygon <i>(ina</i> | licate on map) | | |
| Reptile / Bat Hiber | | □-Y [i.e. brid, Cor □-Y [i.e. | /* / X-N / C features that ge abutment ntains pote /* / X-N / C karst topogr | -Unkn t would j s or culv ntial ba | ptile hibernacul nown, no access provide a route un rerts with cracks/e thibernacula fe nown, no access pandoned mines o | s (*if yes, c aderground, i entry points, c eatures? s (*if yes, c | lescribe in table ncluding buried o exposed rock crev | oncrete vices or i | or rock (e.g. foundations, nactive animal burrows)] |
| POTENTIAL HIBERN | ACULA FE | | | ntion | | Photo No. | Snn (| hearvor | l Using Feature |
| UTM | | Feat | ture Descri | ption | | Photo No. | spp. 0 | USEI VEL | Comp Peature |
| Bat Roosting Feature | OSTING FE | and the second second | -Unknown ith open su ENTIFIED | , <mark>no ac</mark> urround | cess (*if yes, d lings, DBH >25 | cm, side-fa | able below) acing cavities ~ No. of Cavities | | h in tree] |
| UTM | Tree ID | Tree Spp. | DBH | r noto r | to. Decay Ch | 135 (1-5) | to. of cavides | Heigh | and type of carries |
| | | | | | | | | | |
| Stick Nests: | | Cor - D | ntains larg | e stick i ⊒-Unkr | nests? nown, no acces | s (*if yes, d | describe in tabl | e belov |) |
| STICK NEST(S) IDEN | TIFIED | | | | | | - | | |
| UTM | T | ree ID | Tree S | pp. | Nest Size | Photo No | . Spp. (| Observe | d Using Feature |
| | | | | | | <u> </u> | 1 | | |
| Seeps/Springs/Ver | nal Pools: | Cor Q-V | ntains seer /* / ፬[-N / I | os/sprin ⊒-Unkr | ngs/vernal pool nown, no acces | s? is (*if yes, d | describe in tabl | e belov |) |
| SEEP / SPRING / VER | NAL POOL | FEATURE(S) | IDENTIFI | ED | | | 1 | | |
| UTM | Featu | re No. & Type | Feature S (Diamete | | Water Depth | Photo No. | Sub/Emerger Spp. Prese | | Shrubs/ Logs at Edge Present? |
| | | | | | | <u>I</u> | <u> </u> | | <u> </u> |
| SPECIES & HABITAT | COBSERVA | TIONS (list spe | cies and ty | pe of ol | oservation & in | dicate on m | ap) | | |
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CA=carcass; DP=distinctive parts; FE=feeding evidence; FY=eggs/nest; HO=house/den; OB=observed; SC=scat; SI=other sign; TK=track; VO=vocalization





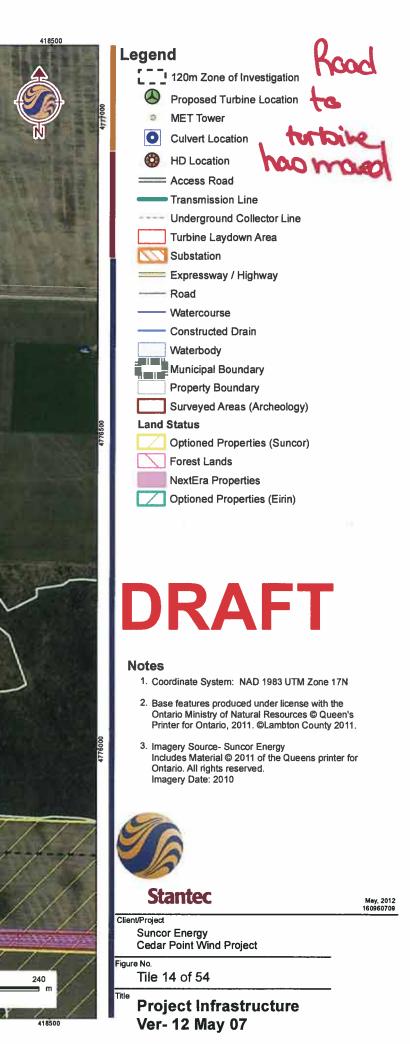
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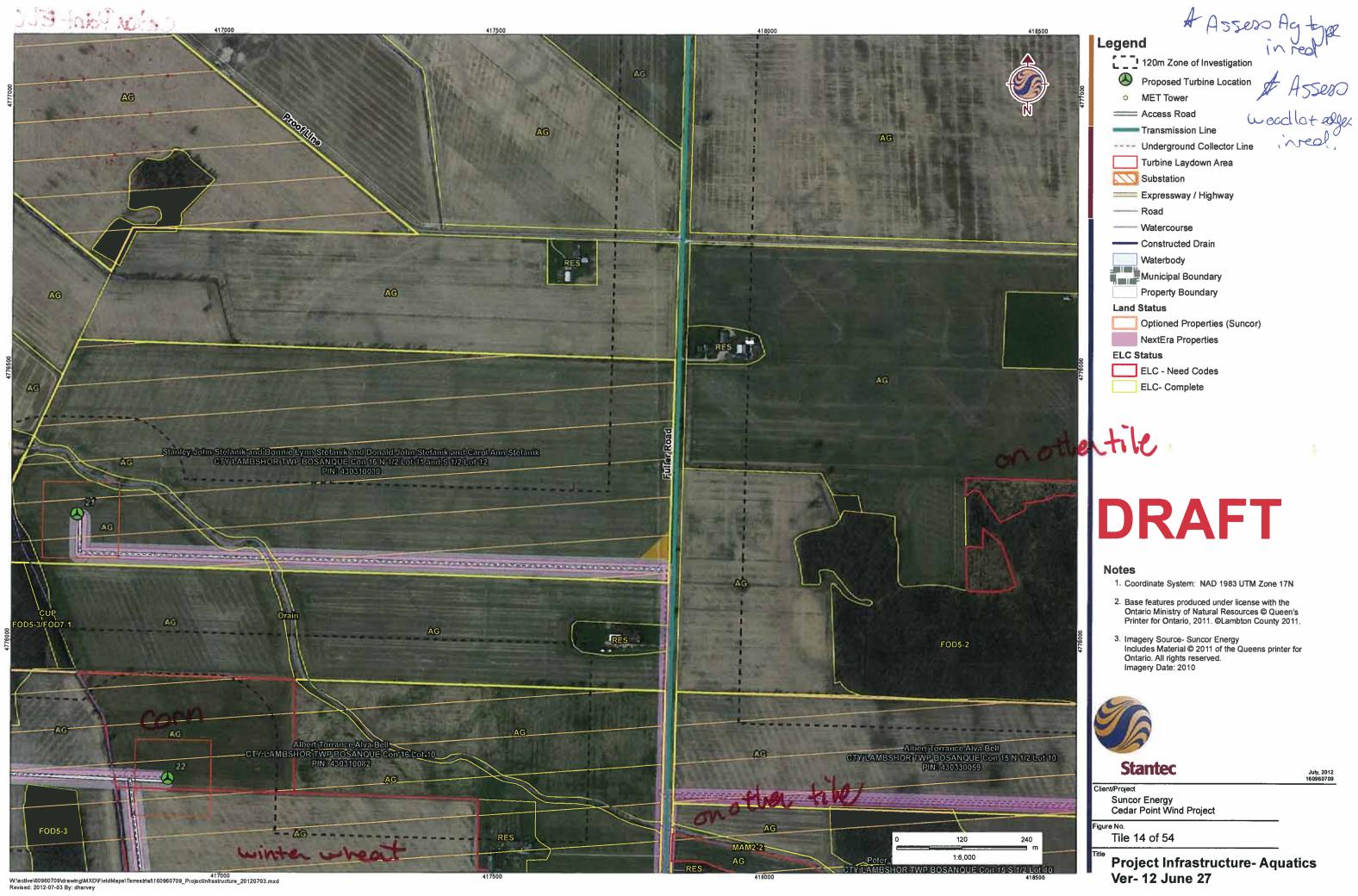
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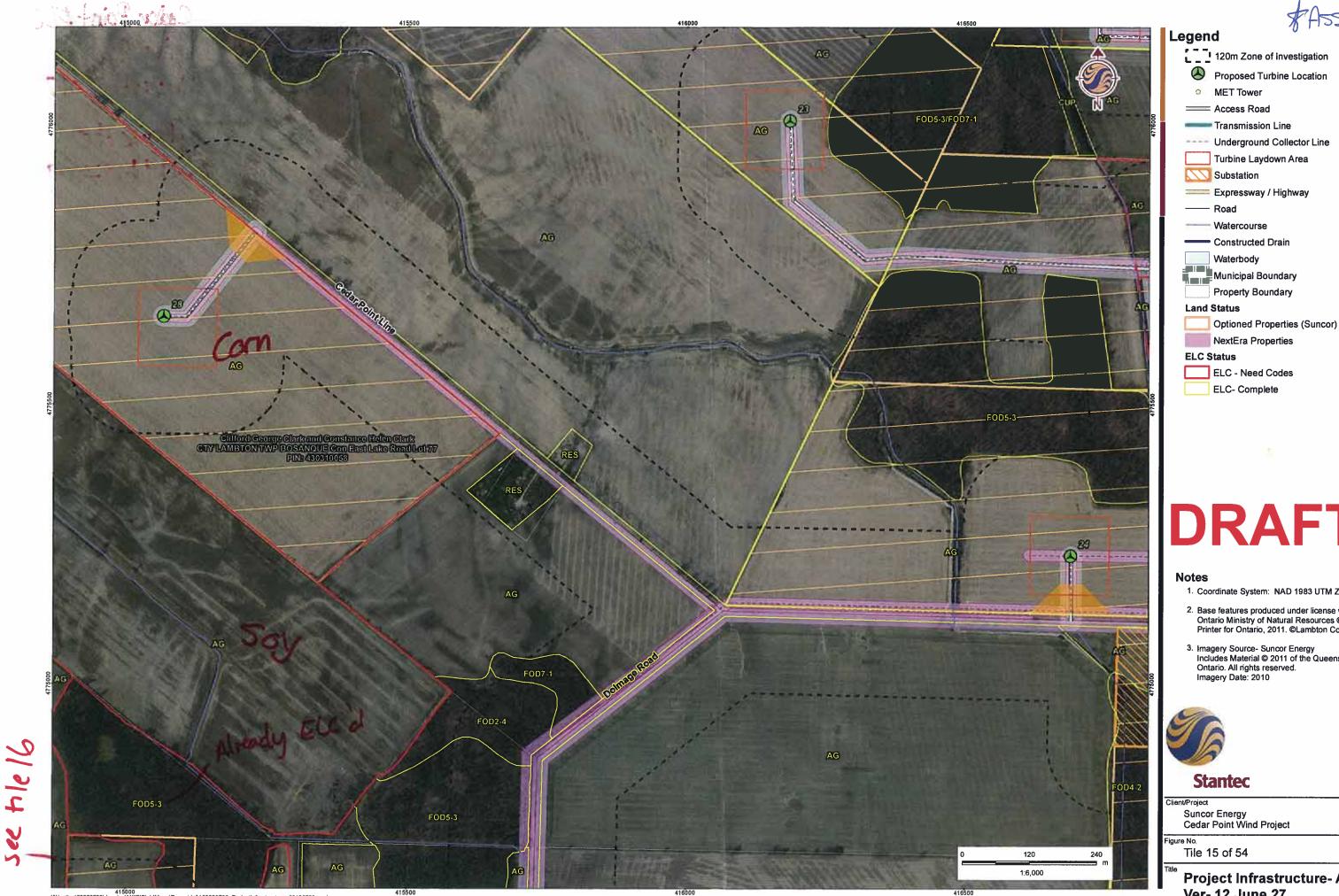


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Codon Point ELC Tile 14 July 4, 2012 1609 60709 C.Payette





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ELC - Need Codes ELC- Complete

DRAFT

- 1. Coordinate System: NAD 1983 UTM Zone 17N
- 2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011. ©Lambton County 2011.
- 3. Imagery Source- Suncor Energy Includes Material © 2011 of the Queens printer for Ontario. All rights reserved. Imagery Date: 2010

Stantec

July, 2012 160960709

Suncor Energy Cedar Point Wind Project

Tile 15 of 54

Project Infrastructure- Aquatics Ver- 12 June 27

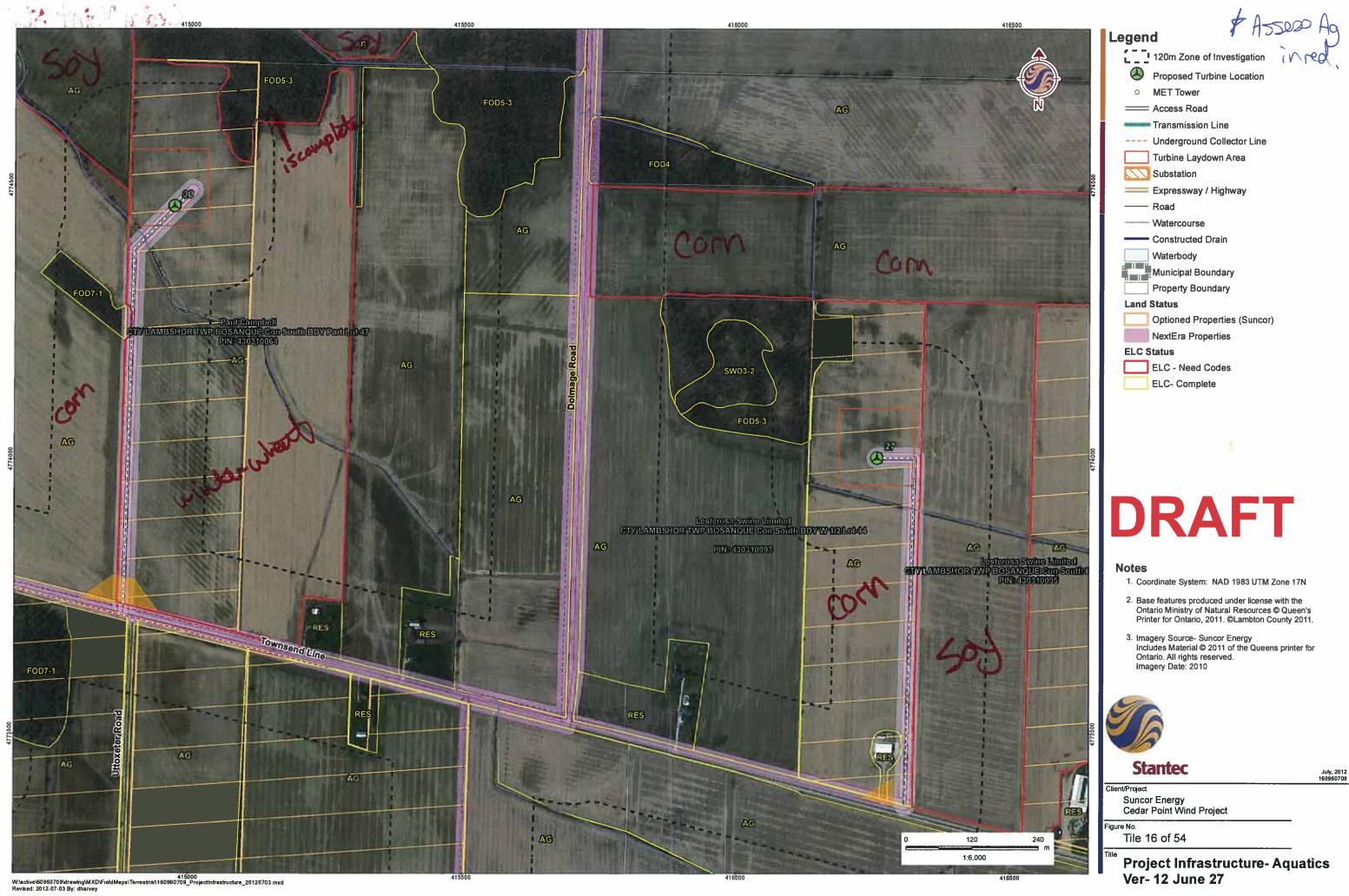
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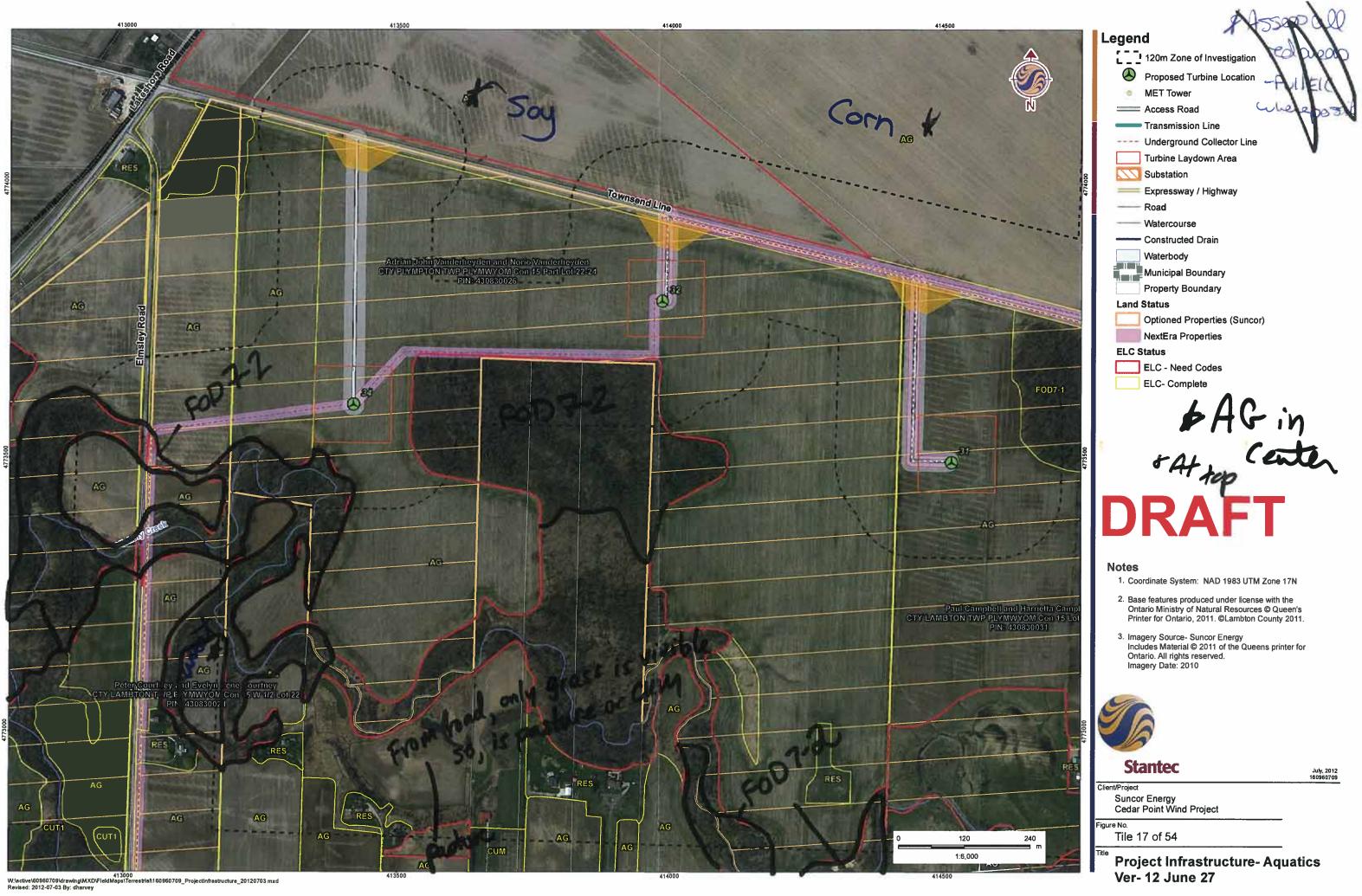




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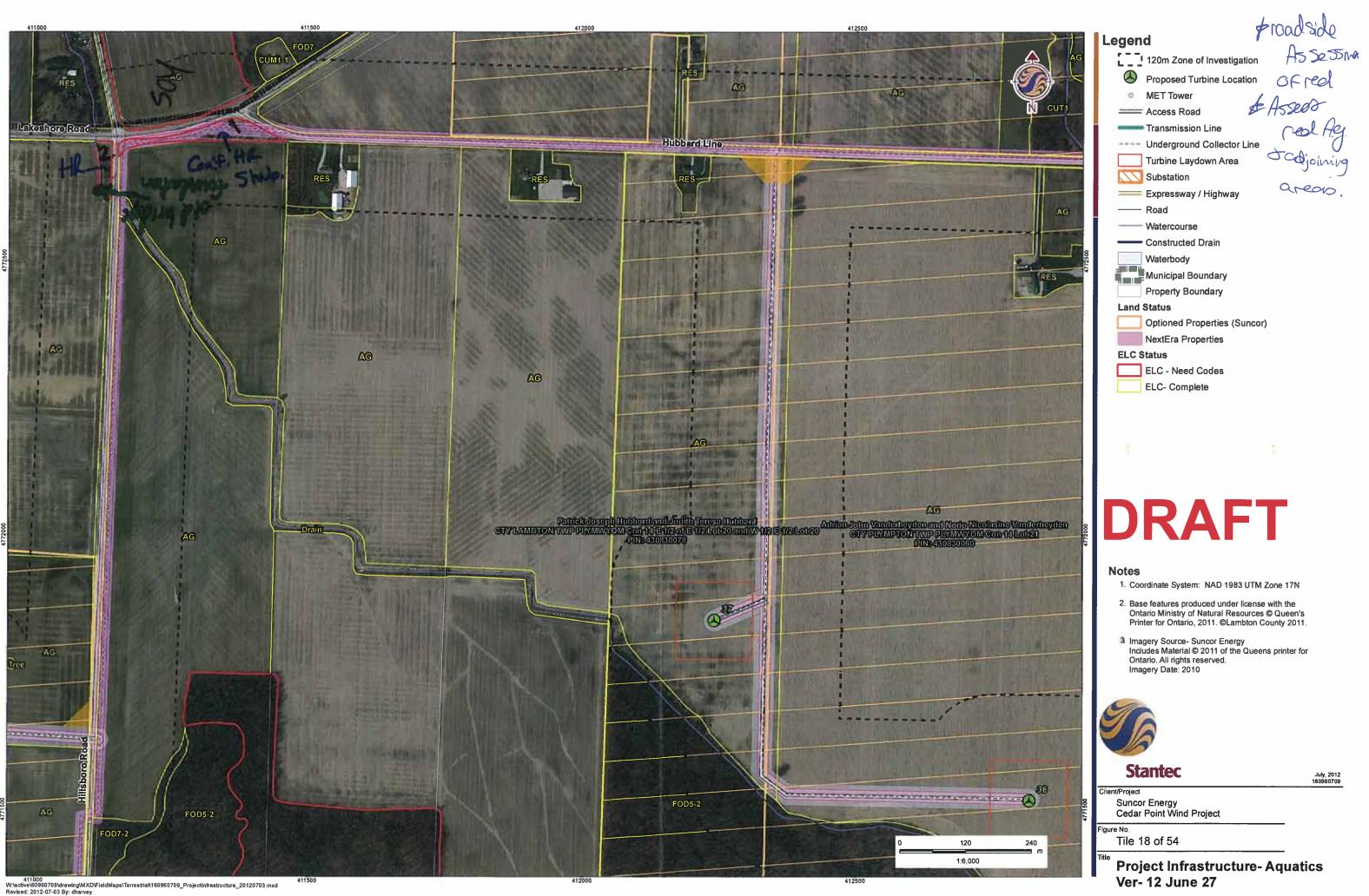
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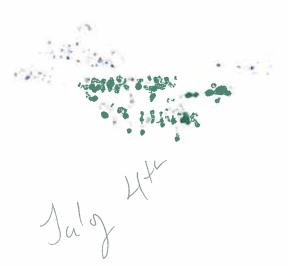
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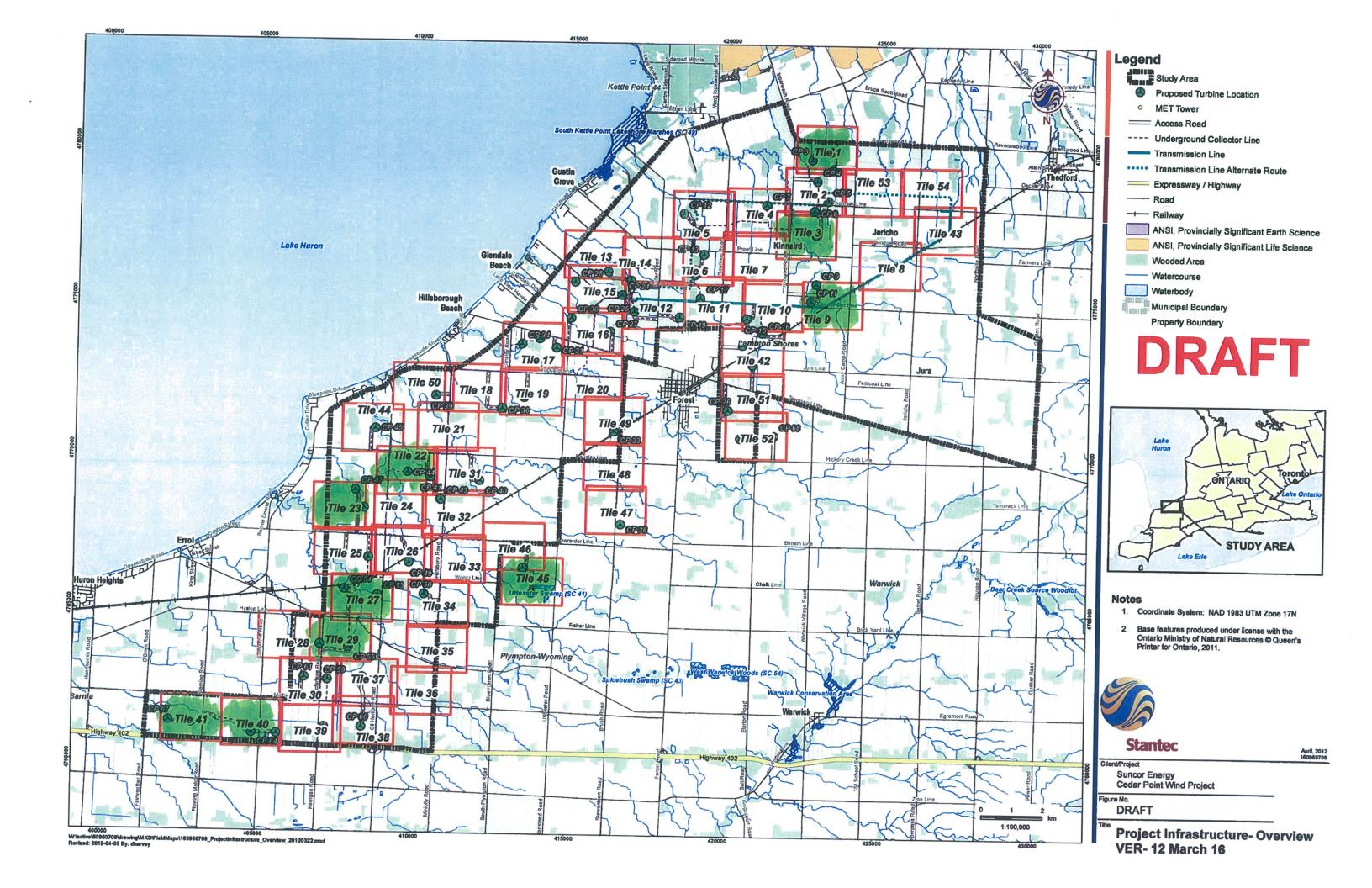


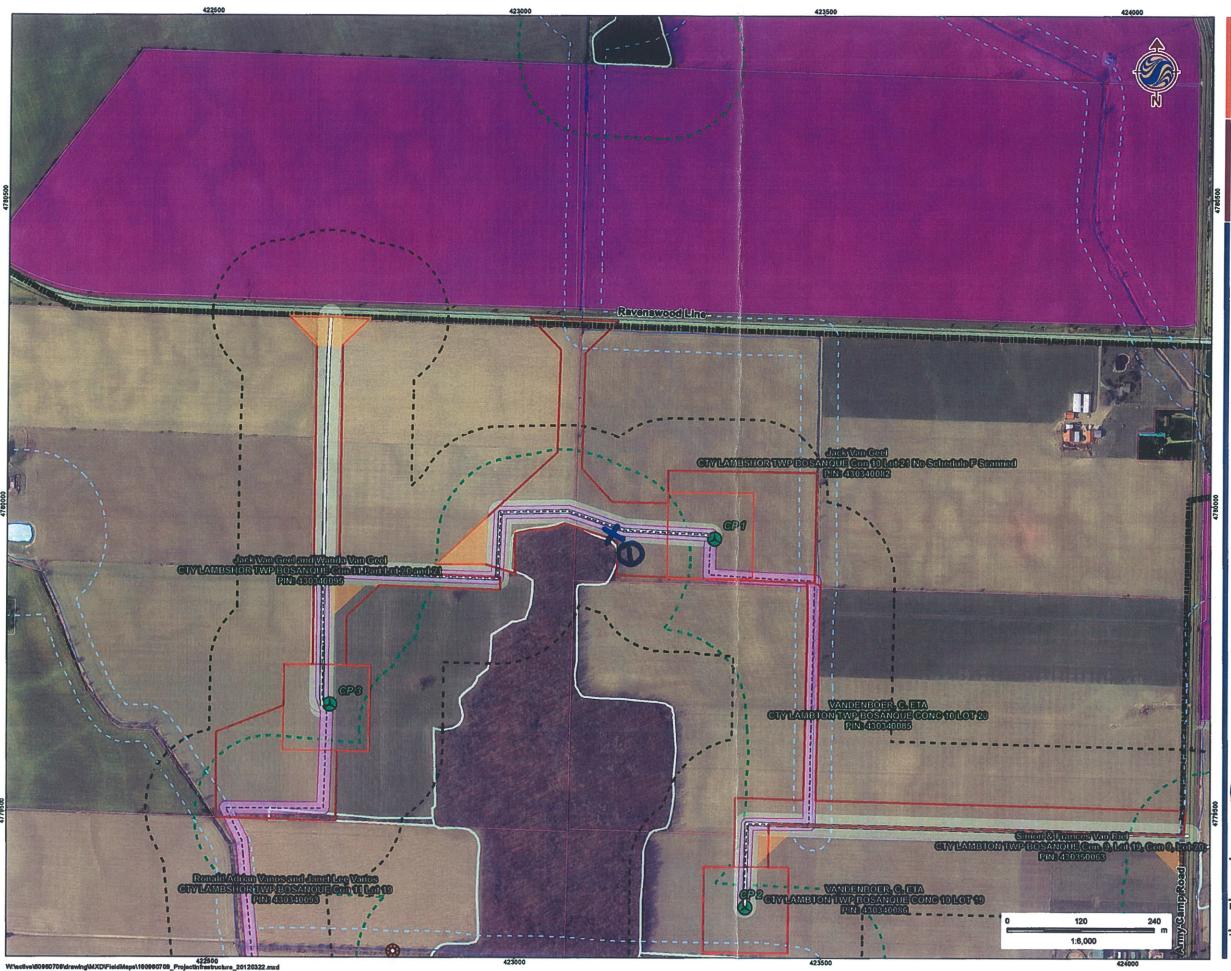
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| LEGUIDANT WIND | POLYGON: 18 -1 DATE: NOUD3, 201) SURVEYOR(S): C. P. LO HP | SUB-CANOI | R=RARE | | | 0 | | | 0 | 0 | 0 | X | | | | | | | | | | | | | | | | | | | 8 8 F | | 04 | | | (Field Personnel) |
| | COMMUNITY DATE: V DESCRIPTION & DATE: V CLASSIFICATION SURVEYOR | LAYERS: 1=CANOPY>1 | ABUNDANCE CODES: N=NONE | SPECIES CODE | sellaw that R | Sugamode A | JK. | Z | Burnol | 3 | R. Cooper A- | | | | | | | | Li Rue Y. J. Le T. | | | | | | 5 | | | | | | | | Riverburk Courter | Page of | Signature: | |
| | UTME: UTMN: | A STATE OF A DATE OF A DAT | COMMUNITY | | D STREAM | D MARSH D SWMAP | DEEN | DBARREN | MEADOW | D THICKET | D SAVANNAH | E FOREST | | INANCE | | | cect | 0.5m 7=HT<0.2m | | BA: | N >50 | N >50 | d | ft (5.50) | OLD GROWTH | | Ge | (cm) | (cm) | | | | 2 | | | |
| - 2 | a3, aoil | The second s | PLANT FORM | | | D LICHEN | | | | | | | | SPECIES IN ORDER OF DECREASING DOMINANCE | Stron and a have such and a such a such a such a | Deach / Les more | Stephen managle > Am beach > be ssi ac | 2=10+1125m 3=2+17510m 4=1+172m 5=05+1751m 2=02+17305m | 1=0% <cvrs10% 2="10<CVRs25%" 3="25<CVRs80%" 4="CVR">80%</cvrs10%> | | 1 25-50 | V 25-50 | 2 25-50 | SIONAL A=ABUNDANT | - MATURE | 11-76 | | | | | CODE: | CODE: | CODE: FODS- | CODE | | CODE: |
| | DATE: NOV | | HISTORY | | | W. | Q | | AVE COVER | II OPEN | ET TREED | | | ECIES IN ORDER | COLO DO | VUEL LICHOU | andle > Am | TS10m 4=1 <hts2m< td=""><td>0<cvr<25% 3="25<</td"><td></td><td>10-24</td><td>R 10-24</td><td>0</td><td>R=RARE 0=OCCASIONAL</td><td>MID-AGE</td><td>Noted and a second</td><td>TILES/GLEY</td><td>GANICS:</td><td>OHOCK:</td><td></td><td></td><td></td><td>ture (D.C</td><td></td><td></td><td></td></cvr<25%></td></hts2m<> | 0 <cvr<25% 3="25<</td"><td></td><td>10-24</td><td>R 10-24</td><td>0</td><td>R=RARE 0=OCCASIONAL</td><td>MID-AGE</td><td>Noted and a second</td><td>TILES/GLEY</td><td>GANICS:</td><td>OHOCK:</td><td></td><td></td><td></td><td>ture (D.C</td><td></td><td></td><td></td></cvr<25%> | | 10-24 | R 10-24 | 0 | R=RARE 0=OCCASIONAL | MID-AGE | Noted and a second | TILES/GLEY | GANICS: | OHOCK: | | | | ture (D.C | | | |
| HOINT MINCI | C.Rungthe | | 15 | | | | | | | | D BEACH / BAR | | - | CVR CVR | | A AND - | SEDUM | L Aress Sr | 1=0% <cvrs10% 2="1</td"><td></td><td>IA <10</td><td>IR <10</td><td>5</td><td></td><td>YOUNG</td><td></td><td>DEPTH 10 MOTILES/GLEY</td><td>DEPTH OF ORGANICS:</td><td>DEPTH TO BEDROCK:</td><td>:NC</td><td></td><td></td><td>Der Brest</td><td></td><td></td><td>tae:</td></cvrs10%> | | IA <10 | IR <10 | 5 | | YOUNG | | DEPTH 10 MOTILES/GLEY | DEPTH OF ORGANICS: | DEPTH TO BEDROCK: | :NC | | | Der Brest | | | tae: |
| Leader toint wind | & SURVEYOH(S): & START: DN | POLYGON DESCRIPTION | | HUHGANIC | | D PARENT MIN. | D ACIDIC BEDRK | D BASIC BEDRK. | 2 | LU CAHB. BEDHK | a. | - | STAND DESCRIPTION: | HT C | p C V | \uparrow | 60. | 4-7 1=>25m | 0=NONE 1: | SITION: | ALYSIS: | GS: | :8: | | PIONEER | is: | | | HUMUGENEOUS / VARIABLE | COMMUNITY CLASSIFICATION: | ASS: | ERIES: | VEGETATION TYPE: Level | | | Evidence of Distlichance / Notee: |
| | COMMUNITY DESCRIPTION & CLASSIFICATION | GON DE | SYSTEM | ZI LEMRES I MIAL | | D AQUATIC | | | SITE | D OPEN WATER | WATER D'SURFICIAL DEP. | ROCK | ID DESCI | LAYER | CANOPY | SUB-CANOPY | UNDERSTOREY | GRD. LAYER CODES: | CVR CODES: | STAND COMPOSITION: | SIZE CLASS ANALYSIS: | STANDING SNAGS: | DEADFALL/LOGS: | ABUNDANCE CODES: | COMM. AGE: | SOIL ANALYSIS: | IEALUHE: | MOISTURE: | GENEOU | AUNITY (| COMMUNITY CLASS: | COMMUNITY SERIES: | LATION T | INI | | O O O O O |

W: resource/internal info and Teams/FIELD FORMS/Vegetation/ELC/elc-woodland-wildfife-habitar-form.docx / (DERIVED FROM LEE ET AL., 1998)

| Stantec | | 11G 4P5 836-6050 | | | | | | | nd & Wil sessmer | |
|---|----------|---|--|---------------------------|---------------------------|---|--|----------------------------------|---|---|
| Project Number: | boal | ,0709 | | | | Pro | oject Name | Cede | 2. Davat | 1. Janl |
| Date | Noud | 3,2011 | | | | Field | Personnel | C.P. | an Paint agette | MY M |
| Weather Conditions: | TEM 4 | P (°C): | Wir | ND: | | CLO /60 | UD: | | PPT: Vone | PPT (in last 24 hrs) |
| ELC Polygon: <u>#/6-/</u> Extent of Physical Inv | | ment Type: 🛛 of Feature: 🗹 | | | | | | | | |
| POTENTIAL HIBERN | ACULA FI | fice brid Co []- [i.e EATURE(S) ID | dge abutne ntains po Y* / Q-N . karst tope ENTIFIE | ents or c tential / | bat hi bat hi hknow | wide a route us s with cracks/ ibernacula | nderground entry points eatures? ss (*if ves. | , including , exposed | e in table belo g buried concrete rock crevices or a in table belo | e or rock (e.g. foundation inactive animal burrows |
| UTM | | Fea | ture Desc | ription | 1 | | Photo No |). | Spp. Observe | d Using Feature |
| | | | | | | | | | | |
| POTENTIAL BAT ROOUTIAL BAT ROOUTIAN | - (w) | Contains poter -Y* / | I-Unknow with open | n, no surrou | acces nding | s (*if ves. c | icm, side-f | table be acing ca No. of C | vities ~10m hi | gh in tree] It and Type of Cavities |
| | | | | | | | | | | |
| Stick Nests: | | Co | ntains lan Y* / CI-N | ge stic / 🛛-Ur | k nest know | ts? n, no acces | s (*if ves. | describe | n in table belo | N) |
| TICK NEST(S) IDEN | TIFIED | Lin el el - | | 120 | | A | | | | ·// |
| UTM | T | ree ID | Tree | Spp. | | Nest Size | Photo No | 0. | Spp. Observe | ed Using Feature |
| Seeps/Springs/Vern | | - - | Y* / CI-N / | -Un | rings/v know | vernal pool n, no acces | s? s (*if yes, | describe | in table below | v) |
| EEP / SPRING / VERN UTM | | FEATURE(S) re No. & Type | IDENTIF Feature (Diame | Size | Wat | ter Depth | Photo No | | mergent Veg. p. Present? | Shrubs/ Logs at Edg Present? |
| | | | | | | | 1.5 | 100 | | |
| PECIES & HARITAT | ORSEDVA | FIONS (list and | aina and i | | | 41 0.1 | 13 | | | |
| PECIES & HABITAT | OBSERVA | 110145 (list spe | cies and t | ype of | obser | vation & in | licate on n | <u>1ap)</u> | 1 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

CA=carcass: DP=distinctive parts; FE=feeding evidence: FY=eggs/nest; HO=bouse/den; OB=observed; SC=scat; SI=other sign; TK=track; VO=vocalization





Winctive/80960709/drawing/MXD/FieldMape/160960709_Projectinfrastructure_20120322.r Revised: 2012-04-05 By: dharvey

Legend

| 111 | 120m Zone of Investigation |
|--------------|-----------------------------|
| | Proposed Turbine Location |
| 0 | MET Tower |
| 0 | Culvert Location |
| 0 | HD Location |
| | Access Road |
| | Transmission Line |
| | Alternate Transmission Line |
| | Underground Collector Line |
| | Turbine Laydown Area |
| | Access Road ROW (40m) |
| 5.500 | Underground Cable ROW (20m) |
| \mathbb{Z} | Substation |
| | Expressway / Highway |
| | Road |
| | Watercourse |
| | Waterbody |
| | Municipal Boundary |
| | Property Boundary |
| | Optioned Properties |
| | NextEra Properties |
| | Surveyed Areas (Archeology) |
| Setba | cks |
| | Waterbody (30m) |
| | Woodlot (120m) |
| | Wetland (120m) |
| | |



Notes

- 1. Coordinate System: NAD 1983 UTM Zone 17N
- 2. Base features produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011. ©Lambton County 2011.
- Imagery Source- Suncor Energy Includes Material © 2011 of the Queens printer for Ontario. All rights reserved. Imagery Date: 2010



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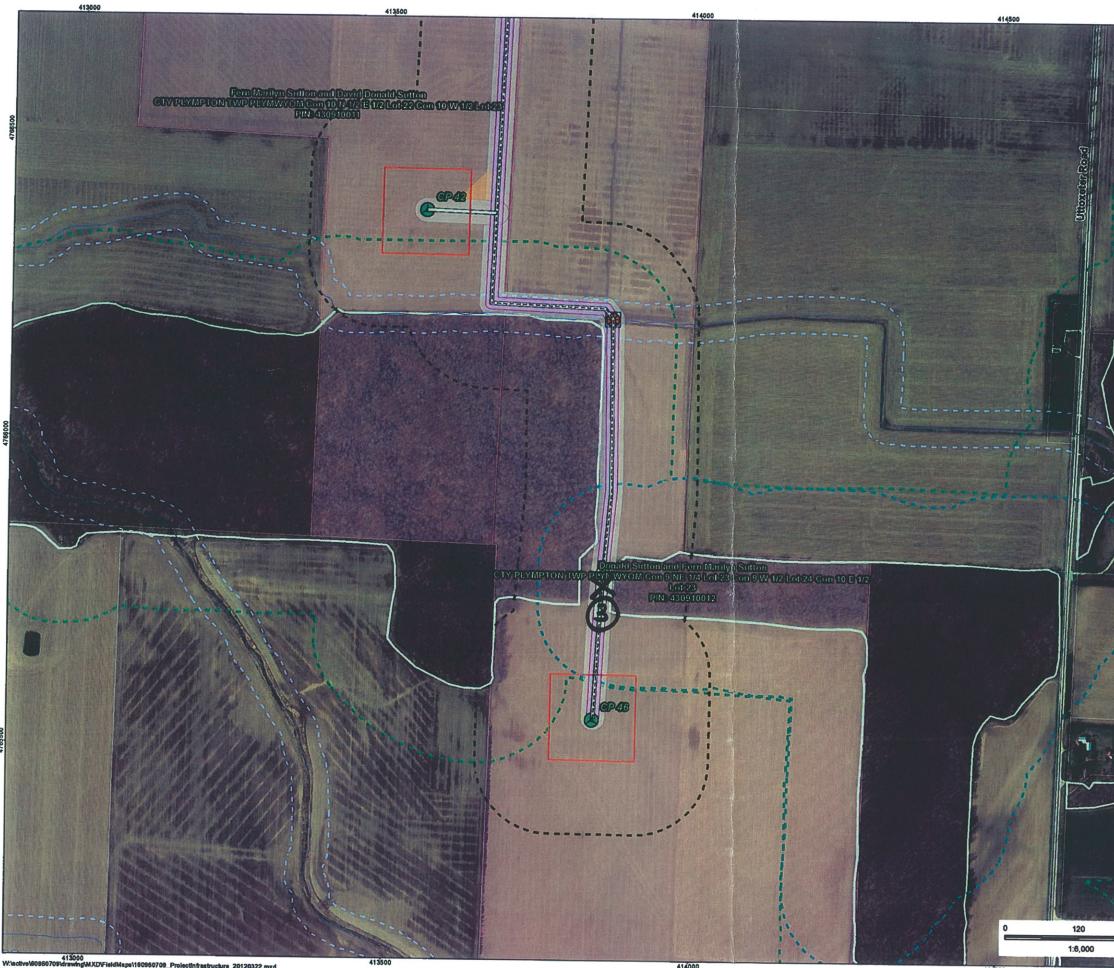
April, 2012 160960709

Client/Project Suncor Energy Cedar Point Wind Project

Figure No. Tile 1 of 54

> Project Infrastructure Ver- 12 March 16 Rev 1





W:\active\60960709\rewing\MXD\FieldMaps\160950709_ProjectInfrastructure_20120322.mxd Revised: 2012-04-05 By: dharvey

Legend

| Logona |
|---|
| 120m Zone of Investigation |
| Proposed Turbine Location |
| • MET Tower |
| Culvert Location |
| HD Location |
| Access Road |
| Transmission Line |
| Alternate Transmission Line |
| Underground Collector Line |
| Turbine Laydown Area |
| Access Road ROW (40m) |
| Underground Cable ROW (20m) |
| Substation |
| Expressway / Highway |
| Road |
| Watercourse |
| Waterbody |
| Municipal Boundary |
| Property Boundary |
| Optioned Properties |
| NextEra Properties |
| Surveyed Areas (Archeology) |
| Setbacks |
| Waterbody (30m) |
| Woodlot (120m) |
| Wetland (120m) |
| |
| DRAFT |
| Notes |
| 1. Coordinate System: NAD 1983 UTM Zone 17N |
| 2. Base features produced under license with the |
| Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011. ©Lambton County 2011. |
| 3. Imagery Source- Suncor Energy Includes Material © 2011 of the Queens printer for |

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Stantec

April, 2012 160960709

Client/Project Suncor Energy Cedar Point Wind Project Figure No.

Tile 45 of 54

240 m

41450

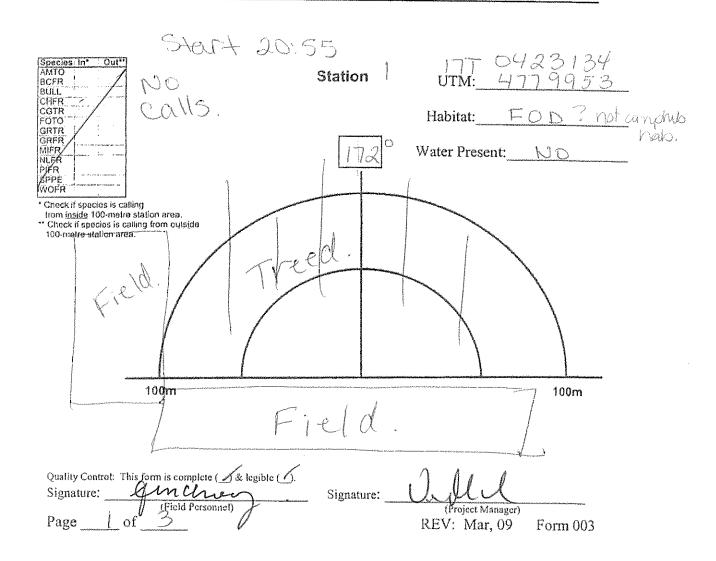
Project Infrastructure Ver- 12 March 16 Rev 1

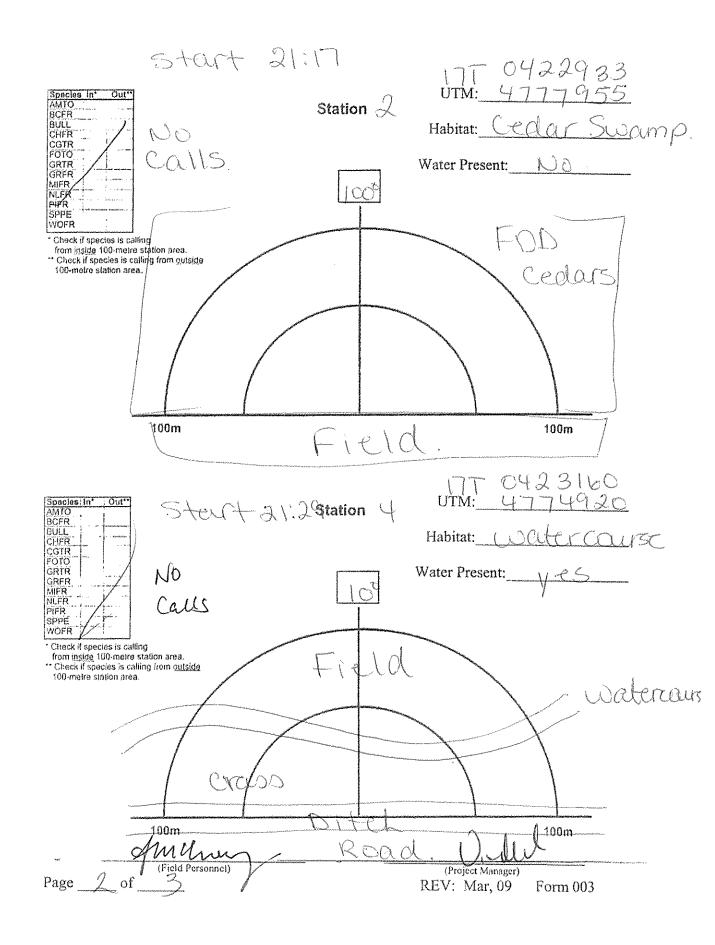
| Stantec | Stantec Consulting Ltd. 70-1 Southgate Drive Guelph, Ontario, Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | Amphibian Call Survey Observation Form |
|--------------------|---|--|
| Project Number | 0960709 | Project Name: <u>CROCEP</u> + Wind |
| Date <u>Pappil</u> | 27/12 | Field Personnel: <u>Michele O. Project</u> |
| Weather Conditions | Temp: Wind: | Cloud: PPT: PPT in last 24 hrs: Partial - C - C |

found

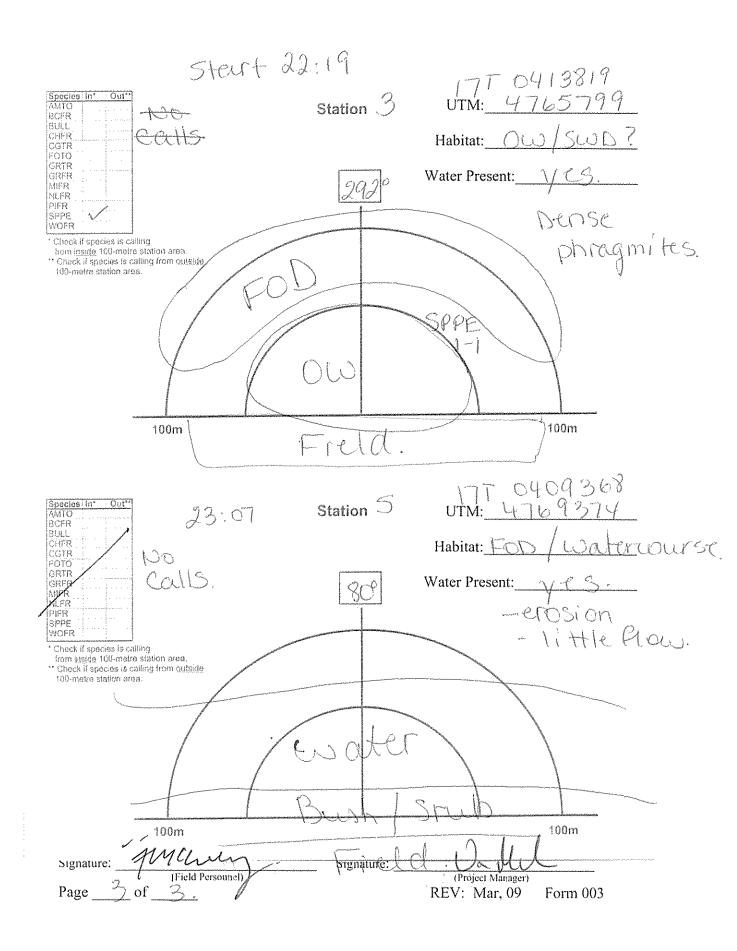
| Visit Number: | one | | |
|---------------|-------|-----------|-------|
| Start Time: | 20:55 | End Time: | 23:30 |

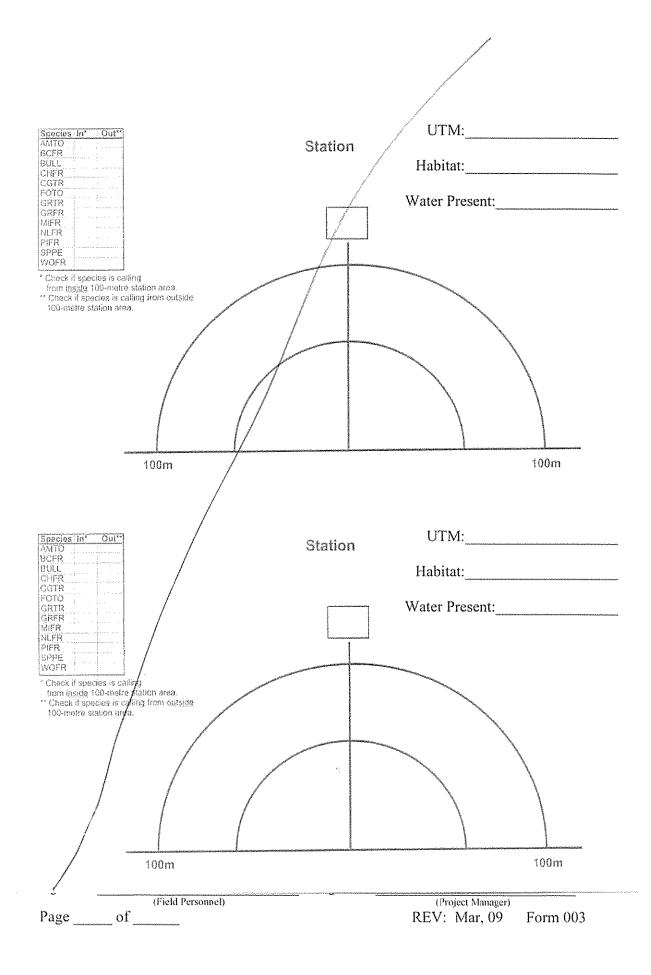
Record Start Time at Each Station





Round 1

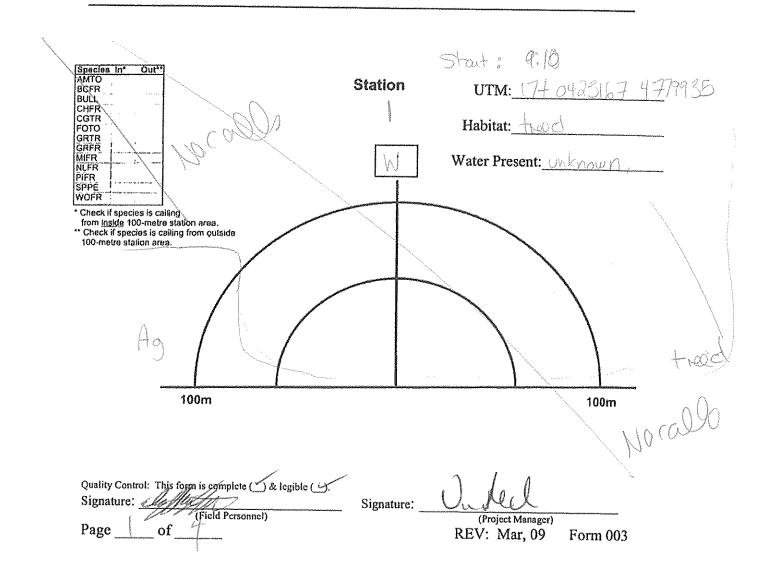




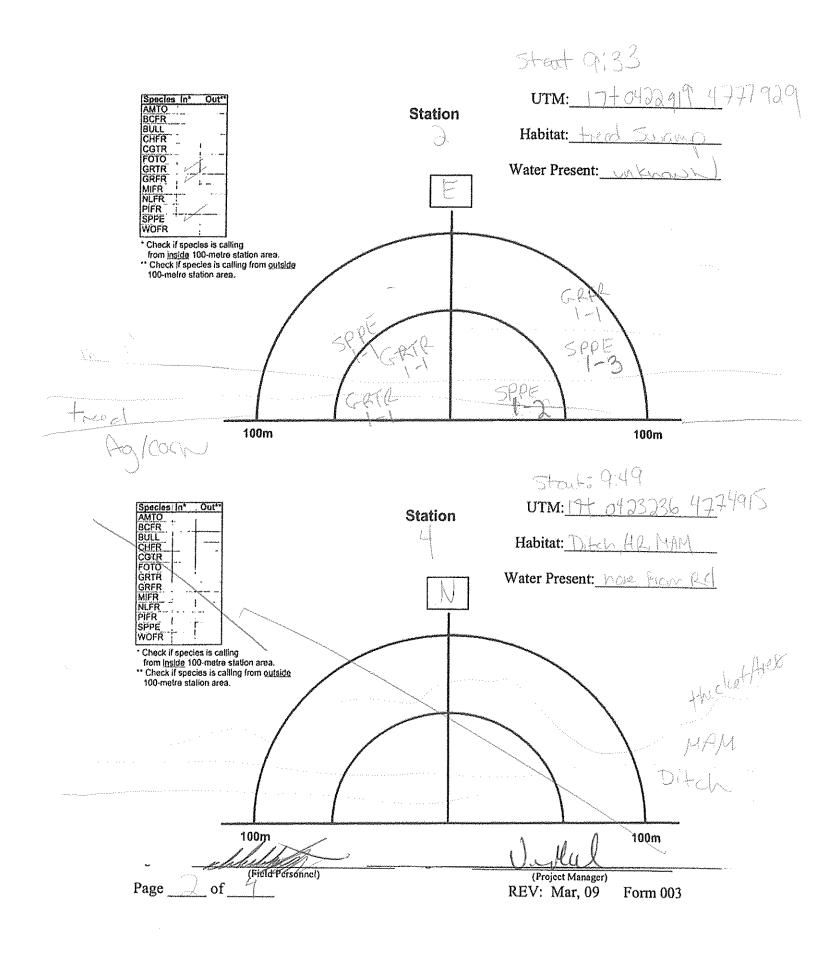
| Stantec | Stantec Consulting Ltd. 70-1 Southgate Drive Guelph, Ontario, Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | | nibian Call Su servation For | |
|--------------------------|---|-------------------------------------|-----------------|---------------------------------|---------------------|
| Project Number 160960101 | | Project Name: Ceda, Point wind Fain | | | |
| Date May 27,2012 | | Field Personnel | : C. Payette, N | J. Chalten | |
| Weather Conditions: | Temp: し | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
| | l | <u>/</u> | | | |

| Visit Number: | 2033 | | |
|---------------|------|-----------|-------|
| Start Time: | 9:10 | End Time: | 11:32 |

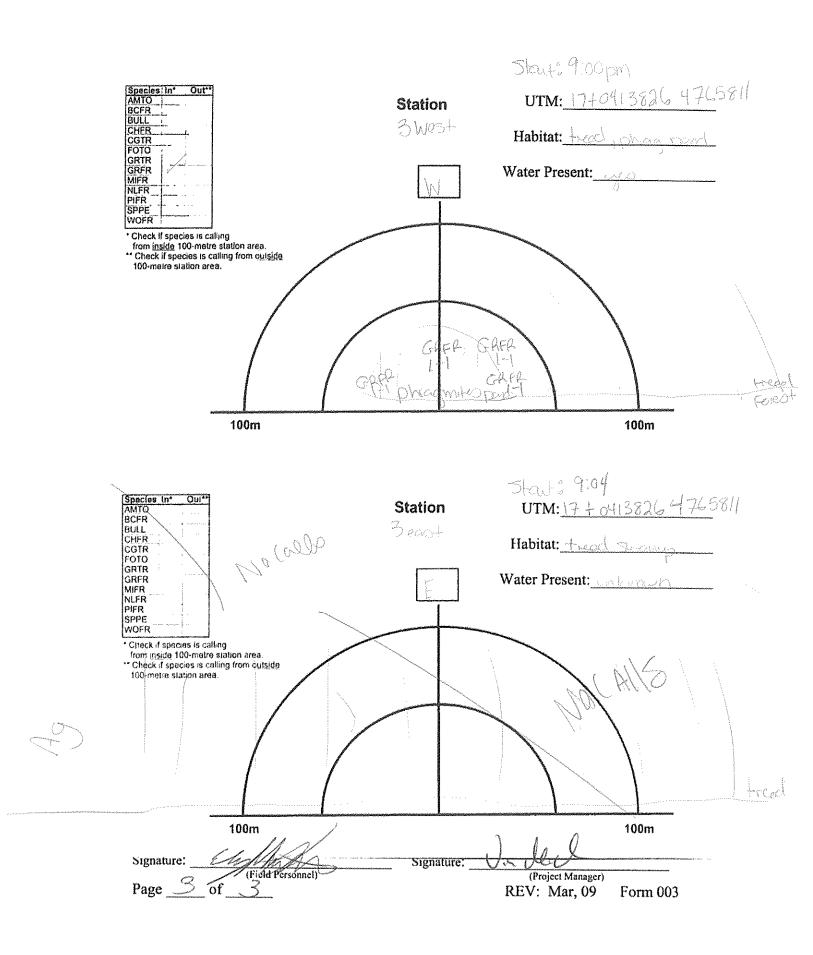
• Record Start Time at Each Station



Round 2



Round 2

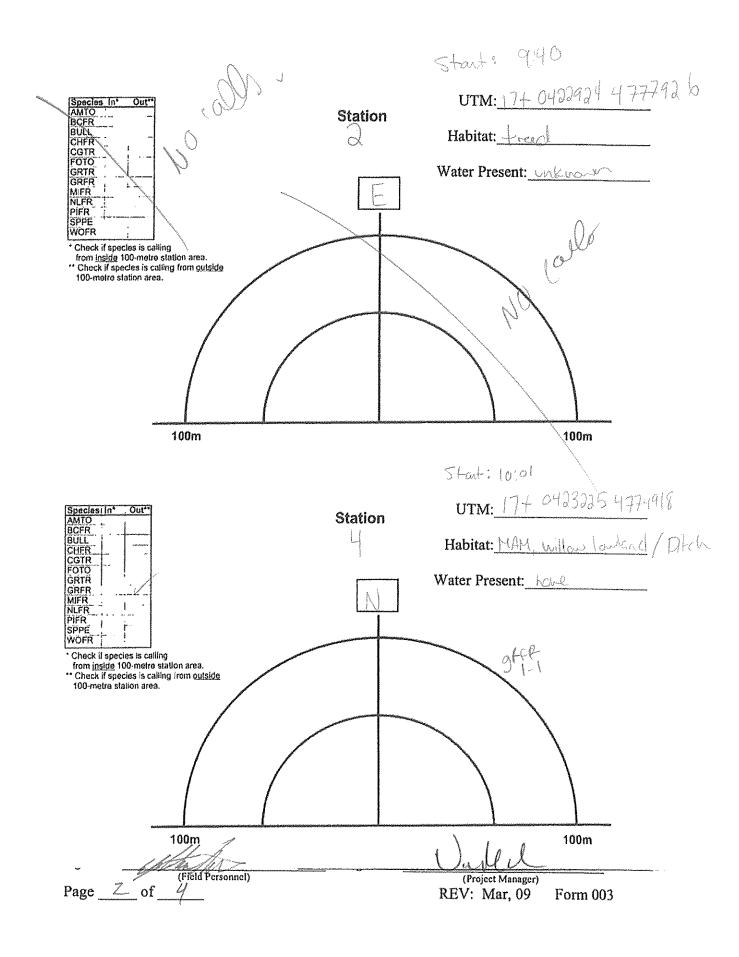


| Stantec Consulting Ltd. 70-1 Southgate Drive Guelph, Ontario, Canada NIG 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | Amphibian Call Survey Observation Form | | | |
|---|-------|---|----------------------------------|--------------------|---------------------|
| Project Number 1681663 | 169 | | Project Name: <u>Calar Paint</u> | | |
| Date <u>The 14,2012</u> | | | | : <u>c.R.gette</u> | A. McGreery |
| Weather Conditions: | Temp: | Wind: | Cloud: 5°lo | PPT: None | PPT in last 24 hrs: |

| Visit Number: | 3 af 3 | | |
|---------------|--------|-----------|-------|
| Start Time: | 9:17 | End Time: | 11:24 |

• Record Start Time at Each Station

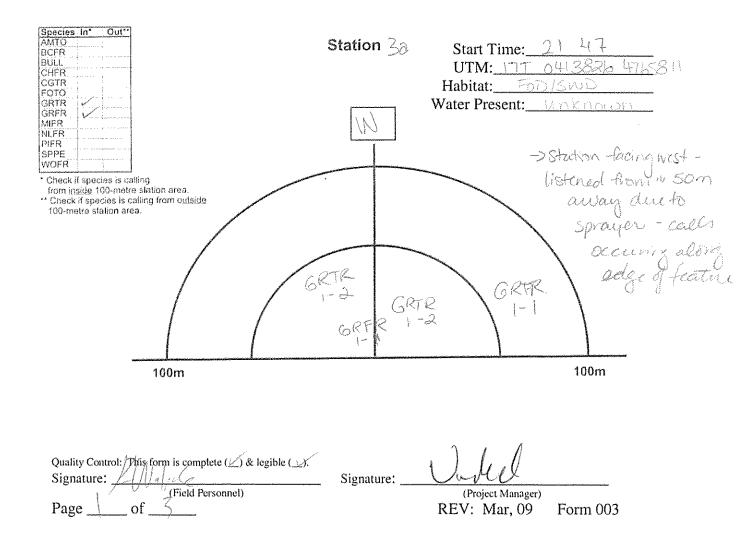
| Species In* Out** MMTO BCR BULL BULL CHFR GRTR GRTR MIFR NULFR Firs PPPE WOFR * Check if species is calling from outside 100-metre station area. * Check if species is calling from outside 100-metre station area. | Station | 17 UTM: <u>174 0423166 47799</u> 22 Habitat: <u>Hod</u> Water Present: <u>wknown</u> |
|---|------------|---|
| 100m Quality Control: This form is complete (S& legible (| | 100m |
| Signature: | Signature: | (Project Manager) REV: Mar, 09 Form 003 |

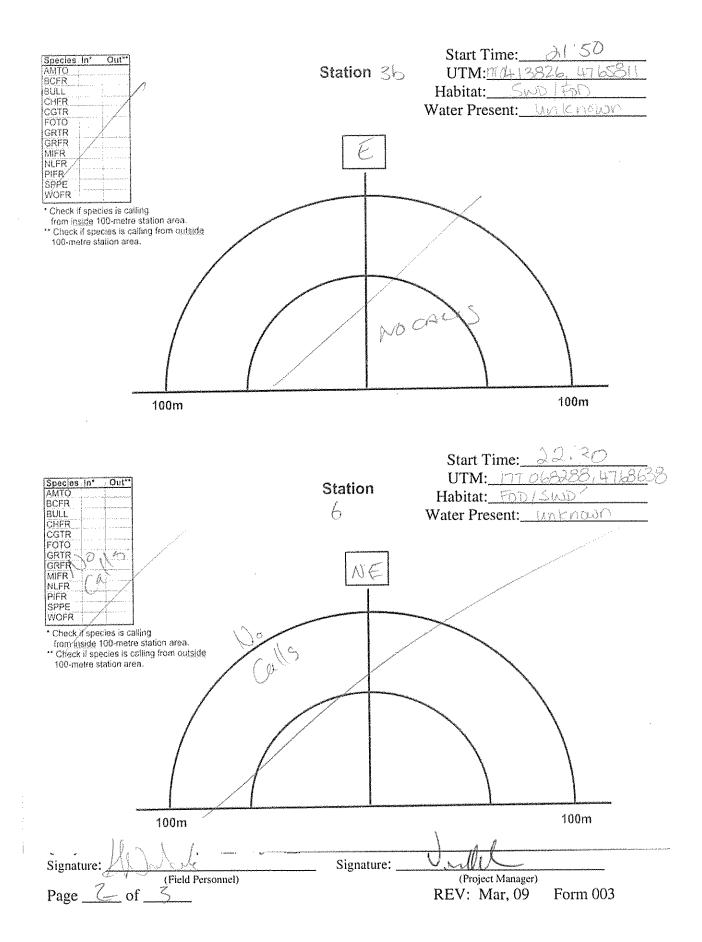


| Stantec | Stantec Consulting Ltd. 70-1 Southgate Drive Guelph, Ontario, Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | • | hibian Call Subservation Fo | • |
|---|---|-------|---|-----------------------------|---------------------|
| Project Number 160960709 Date June 20th 2012 . | | | _ Project Name: <u>Cedar Point Wind</u> _ | | Wind. K Walparie |
| Weather Conditions: | Temp: 30 | Wind: | Cloud: | PPT: | PPT in last 24 hrs: |
| Visit Number: | | 2 1 3 | | | |

| Start Time: | 21.45 | End Time: | 24:00 |
|-------------|-------|-----------|-------|

• Record Start Time at Each Station





| Stantec | Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | Bat Maternity Roost - Cavity Tree Density Plots Data Form (FOR USE IN FOD & FOM COMMUNITIES ONLY) | | |
|---------------------|---|--------------|--|------------|----------------------|
| Project Number: | 60960709 | | Project Name | : Cedar Pa | sixt |
| | 19/03/13 | 8:50 | 9:50 | J. Ball | |
| | DATE | TIME (start) | TIME (end) | Field Pe | rsonnel |
| Weather Conditions: | - <u>2</u> | Bernadir | 10040 | Light Snow | Light Stow |
| | TEMP (°C) | WIND | CLOUD | PPT | PPT (in last 24 hrs) |

Feature #:

3 Feature Size (ha): 4 Ho. of Plots to Survey¹: 10

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 177) | Comments |
|----------|---------------------------|--|----------|
| Plot 01 | Ó | 042508214779775 | |
| Plot 02 | 0 | 042507814778739 | |
| Plot 03 | Ó | 0+2507414778692 | |
| Plot 04 | 0 | 0425107 14778630 | |
| Plot 05 | 0 | 042504714778617 | |
| Plot 06 | 0 | 042499714778660 | |
| Plot 07 | 0 | 042493914779659 | |
| Plot 08 | Ð | 0424912 14778638 | |
| Plot 09 | 0 | 042488514778623 | |
| Plot 10 | Ó | 0-12+86214778634 | |
| Plot 11 | | l | |
| Plot 12 | | | |
| Plot 13 | | 1 | ÷ |
| Plot 14 | | 1 | |
| Plot 15 | | / | |
| Plot 16 | | / | |
| Plot 17 | | 1 | |
| Plot 18 | | / | |
| Plot 19 | | / | |
| Plot 20 | 77 | ////////////////////////////////////// | |
| Plot 21 | | / | |
| Plot 22 | | | |
| Plot 23 | | / | |

Page ____ of ____ Signature:

Quality Control:This form is complete

& legible
.
Signature:

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone:) | Comments |
|--------------------------|---------------------------|--|----------|
| Plot 24 | 1 | / | |
| Plot 25 | | / | |
| Plot 26 | | 1 | |
| Plot 27 | | 1 | |
| Plot 28 | | / | |
| Plot 29 | | 1 | |
| Plot 30 | | / | |
| Plot 31 | | | |
| Plot 32 | | | |
| Plot 33 | | 1 | |
| Plot 34 | | 1 | |
| Plot 35 | | 1 | |
| TOTAL No Cavity Trees | | Density Calculation (use formula provided ² | Trees/ha |

¹No, of Plots: Sites ≤ 10 ha: 10 plots (minimum): each extra ha: 1 plot (up to max 35 plots). Plots = 0.05 ha or 12.6m radius. Select plots randomly. ²Total Cavity Tree Density = $\frac{total \# cavity trees}{(\# plots \times 0.05 ha)}$

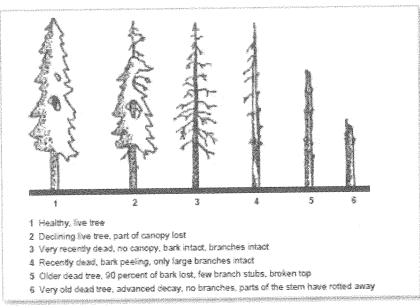


Figure 1: Decay classification system for cavity trees (Watt and Caceres, 1999) NOTE: Decay classifications 4-6 should not be tallied in plots.

Page ____ of ____

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

Signature: (Project Manager) REV: 2013-03-13

| Stantec | Stantec Consulting Ltd.1 - 70 Southgate DriveGuelph, ONCanada N1G 4P5Tel: (519) 836-6050Fax: (519) 836-2493 | | Bat Maternity Roost - Cavity Tree Density Plots Data Form (FOR USE IN FOD & FOM COMMUNITIES ONLY) | | |
|---------------------|---|--------------|--|-----------------------|----------------------|
| Project Number | 160960 | 709 | Project Name: | Ceder | Point |
| | 18/03/13 DATE | 13:00 | 16:00 | <u> </u> | Ball |
| | | TIME (start) | TIME (end) | Fie | ld Personnel |
| Weather Conditions: | | L.f. | 100010 | establishicket were a | Unknown |
| | TEMP (°C) | WIND | CLOUD | PPT | PPT (in last 24 hrs) |

| Feature #: | Feature Siz | e (ha): 36 No. of Plots to Surve | ey ¹ : <u>35</u> |
|------------|---------------------------|----------------------------------|-----------------------------|
| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 127) | Comments |
| Plot 01 | 0 | 0423053 14778301 | |
| Plot 02 | 0 | 042309214778357 | |
| Plot 03 | 0 | 042309614778456 | |
| Plot 04 | 0 | 0422998 14778514 | |
| Plot 05 | 0 | 042299214778594 | |
| Plot 06 | 0 | 042305914778603 | |
| Plot 07 | 0 | 042308514778625 | |
| Plot 08 | õ . | 0423100 14778678 | |
| Plot 09 | 0 | 042322614775698 | |
| Plot 10 | 0 | 042323214778786 | |
| Plot 11 | Ö | 042316214778883 | |
| Plot 12 | 0 | 0+2312814778983 | |
| Plot 13 | 0 | 042312814779160 | |
| Plot 14 | 0 | 0423015 14779/83 | |
| Plot 15 | 0 | 0423165 14779178 | |
| Plot 16 | 0 (| 0423188 14778848 | |
| Plot 17 | 1 | 0423163 14778962 | |
| Plot 18 | 0 | 042315014779109 | |
| Plot 19 | 0 (| 0+23154 14779215 | |
| Plot 20 | 0 | 642314314779299 | |
| Plot 21 | 0 | 042317014779351 | |
| Plot 22 | 0 1 | 042315414779453 | |
| Plot 23 | 6 | 0423180 14779496 | |

Page ____ of ____ Signature:

Quality Control: This form is complete 🗆 & legible 🗅.

Signature:

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 171) | Comments |
|--------------------------|---------------------------|---|----------|
| Plot 24 | 0 | 042321014779562 | |
| Plot 25 | 0 | 0423194 14779628 | |
| Plot 26 | Ô | 0423141 14779653 | |
| Plot 27 | 0 | 0423108 14779654 | |
| Plot 28 | 0 | 042305 14779697 | |
| Plot 29 | 0 | 042299414779717 | |
| Plot 30 | 0 | 142295314779688 | |
| Plot 31 | | 0423042/4779386 | λ |
| Plot 32 | | 042290814779606 | |
| Plot 33 | 0 | 0422900 14779529 | |
| Plot 34 | 0 | 0-2291514779506 | |
| Plot 35 | 0 | 0+2295514779490 | |
| TOTAL No Cavity Trees | | Density Calculation: (use formula provided ²) | Trees/ha |

¹No, of Plots: Sites ≤ 10 ha; 10 plots (minimum); each extra ha: 1 plot (up to max 35 plots). Plots = 0.05 ha or 12.6m radius. Select plots randomly.

²Total Cavity Tree Density = $\frac{total \# cavity trees}{(\# plots \times 0.05 ha)}$

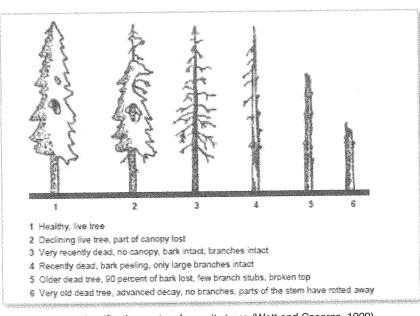


Figure 1: Decay classification system for cavity trees (Watt and Caceres, 1999) NOTE: Decay classifications 4-6 should not be tallied in plots.

Page ____ of ____

Signature:

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

(Project Manager) REV: 2013-03-13 Signature:

| Stantec | Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | Bat Maternity Roost - Cavity Tree Density Plots Data Form (FOR USE IN FOD & FOM COMMUNITIES ONLY) | | | |
|---|---|--------------|--|----------------|----------------------|--|
| Project Number | 160960 | 704 | Project Name | Ledar P | bist | |
| | 18/03/13 | 1 · 3 0 | 12:45 | Katherine < | J. J. Ball | |
| | DATE | TIME (start) | TIME (end) | Field P | ersonnel | |
| Weather Conditions: | | hadjer | 100000 | and the second | 4353855555445000-1 | |
| Lange (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) | TEMP (°C) | WIND | CLOUD | PPT | PPT (in last 24 hrs) | |

| Feature | 荐: |
|---------|----|
|---------|----|

7 Feature Size (ha):

No. of Plots to Survey¹: 1

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 177) | Comments |
|----------|---------------------------|---|----------|
| Plot 01 | 0 | 042301414778200 | |
| Plot 02 | 0 | 042304214778/61 | |
| Plot 03 | 0 | 042303414778113 | |
| Plot 04 | 0 | 0423065 14779694 | |
| Plot 05 | 0 | 042368214778052 | |
| Plot 06 | 0 | 0+23086 14778042 | |
| Plot 07 | 0 | 042312214778012 | |
| Plot 08 | 0 | 042313314777979 | |
| Plot 09 | D | 042306914777950 | |
| Plot 10 | D | 0422042 14777919 | |
| Plot 11 | 0 | 042299814777897 | |
| Plot 12 | 0 | 042300114777924 | |
| Plot 13 | 0 | 042298214777967 | |
| Plot 14 | | 042296914778621 | |
| Plot 15 | D | ~+2296214778104 | |
| Plot 16 | | 1 | |
| Plot 17 | | . <i>1</i> | |
| Plot 18 | | / | |
| Plot 19 | | 1 | |
| Plot 20 | | / | |
| Plot 21 | | 1) //////////////////////////////////// | |
| Plot 22 | | | |
| Plot 23 | | | |

Page ____ of ____ Signature:

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.
Signature:

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone:) | Comments |
|--------------------------|---------------------------|--|----------|
| Plot 24 | | / | |
| Plot 25 | | / | |
| Plot 26 | | 1 | |
| Plot 27 | | / | |
| Plot 28 | | | |
| Plot 29 | | | |
| Plot 30 | | 1 | |
| Plot 31 | | | |
| Plot 32 | | · · · · · · · · · · · · · · · · · · · | |
| Plot 33 | | uunaan oo gaalaa ahaa ahaa ahaa ahaa ahaa ahaa ah | |
| Plot 34 | | | |
| Plot 35 | | | |
| TOTAL Ne Cavity Trees | | Density Calculation (use formula provided ² | Trees/ha |

¹No. of Plots: Sites \leq 10 ha; 10 plots (minimum); each extra ha: 1 plot (up to max 35 plots). Plots = 0.05 ha or 12.6m radius. Select plots randomly. ²Total Cavity Tree Density = $\frac{total \# cavity trees}{(\# plots \times 0.05 ha)}$

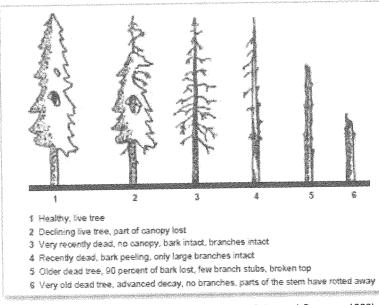


Figure 1: Decay classification system for cavity trees (Watt and Caceres, 1999) NOTE: Decay classifications 4-6 should not be tallied in plots.

- Tundra Swans flying over (NW) - 12 birds Raicoon - Plot 13

Page ____ of ____

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Vathers for (Project Manager) Signature: REV: 2013-03-13

| Stantec | Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | Bat Maternity Roost - Cavity Tree Density Plots Data Form (FOR USE IN FOD & FOM COMMUNITIES ONLY) | | |
|------------------------|---|--------------|--|------------|--|
| Project Number: 160960 | | 09 | Project Name | : Cedar | Paint |
| | 19/03/13 DATE | 10:00 | 10:50 | J. Ba | and a second and a second a se |
| | UAIE | TIME (start) | TIME (end) | Field | Personnel |
| Weather Conditions: | TEMP (°C) | L.f. | 10040 | Light Show | J Light Snow |
| L | | WIND | CLOUD | V PPT | PPT (in last 24 hrs) |

Feature #:

Feature Size (ha): 5,3

ha): 5,3 No. of Plots to Survey¹: 10

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 17 T) | Comments |
|----------|---------------------------|------------------------------|---------------------------------------|
| Plot 01 | 0 | 042049814777646 | Connents |
| Plot 02 | | 042055814777626 | |
| Plot 03 | \sim | 042065414777634 | |
| Plot 04 | 0 | 0420705 14777632 | |
| Plot 05 | l l | 0420729 14777572 | |
| Plot 06 | | 0420732 14777497 | · · · · · · · · · · · · · · · · · · · |
| Plot 07 | 0 | 0420665 14777510 | |
| Plot 08 | 0 | 0420614 14777541 | |
| Plot 09 | 0 | 042053414777558 | |
| Plot 10 | 0 | 0420516 14777575 | |
| Plot 11 | | | |
| Plot 12 | | 1 | |
| Plot 13 | | / | |
| Plot 14 | | / | |
| Plot 15 | | ĺ | |
| Plot 16 | | 1 | |
| Plot 17 | | 1 | - |
| Plot 18 | | 1 | |
| Plot 19 | | / | |
| Plot 20 | | | - |
| Plot 21 | | / | |
| Plot 22 | | 1 | |
| Plot 23 | | × I | |

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. Signature:

(Project Manager)

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone:) | Comments |
|--------------------------|---------------------------|--|----------|
| Plot 24 | | / | |
| Plot 25 | | 1 | * |
| Plot 26 | | / | |
| Plot 27 | | 1 | |
| Plot 28 | | 1 | |
| Plot 29 | | 1 | |
| Plot 30 | | | |
| Plot 31 | | | |
| Plot 32 | | · · · · · · · · · · · · · · · · · · · | |
| Plot 33 | | | |
| Plot 34 | | 1 | |
| Plot 35 | | | |
| TOTAL No Cavity Trees | | Density Calculation (use formula provided | Trees/ha |

¹No. of Plots: Sites \leq 10 ha: 10 plots (minimum); each extra ha: 1 plot (up to max 35 plots). Plots = 0.05 ha or 12.6m radius.

Select plots randomly.

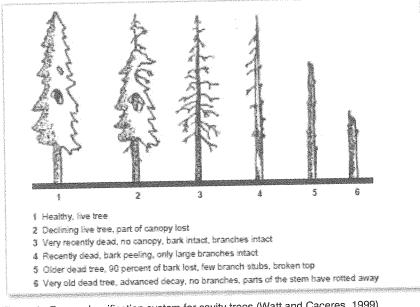


Figure 1: Decay classification system for cavity trees (Watt and Caceres, 1999) NOTE: Decay classifications 4-6 should not be tallied in plots.

Page ____ of ____

Signature:

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²Total Cavity Tree Density = $\frac{total \# cavity trees}{(\# plots \times 0.05 ha)}$

Signature: (Project Manager)

REV: 2013-03-13

| StantecStantec Consulting 1 – 70 Southgate Driv Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | | Bat Maternity Roost - Cavity Tree Density Plots Data Form (FOR USE IN FOD & FOM COMMUNITIES ONLY) | | |
|--|------------------|---------------------------|--|--------|----------------------|
| Project Number: | er: 60960709 | | Project Name: | Cedar | Point |
| | 18/03/13 DATE |) 3 : 0 0 TIME (start) | 13:40 | Katle: | <u> </u> |
| | | | TIME (end) | Field | d Personnel |
| Weather Conditions: | TEMP (°C) | WIND | 0000 CLOUD | PPT | PPT (in last 24 hrs) |

Feature #:

Feature Size (ha):

e (ha): 10, 6 No. of Plots to Survey¹:

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 177) | Comments |
|----------|---------------------------|-----------------------------|----------|
| Plot 01 | 0 | 041889/14776496 | |
| Plot 02 | 0 | 041888914776466 | |
| Plot 03 | D | 041889114774451 | |
| Plot 04 | 0 | 6419030 14776497 | |
| Plot 05 | 0 | 04190961477644) | |
| Plot 06 | 0 | 0419112 14776393 | |
| Plot 07 | 0 | 0419071 14776392 | |
| Plot 08 | Ú. | 041907314776423 | |
| Plot 09 | D (| 041906814776307 | |
| Plot 10 | 0 | 041908214776231 | |
| Plot 11 | 0 | 041897114776225 | |
| Plot 12 | | 1 | |
| Plot 13 | | 1 | |
| Plot 14 | | / | - |
| Plot 15 | | / | |
| Plot 16 | | 1 | |
| Plot 17 | | | |
| Plot 18 | | 1 | |
| Plot 19 | | 1 | |
| Plot 20 | | | |
| Plot 21 | | | |
| Plot 22 | | / | |
| Plot 23 | | 1 | |

Page ____ of ____ Signature:

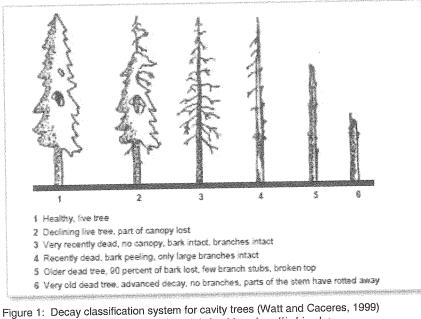
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.
Signature:

(Field Personnel)

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone:) | Comments |
|--------------------------|---------------------------|---|------------|
| Plot 24 | | / | |
| Plot 25 | | 1 | |
| Plot 26 | | | |
| Plot 27 | | 1 | |
| Plot 28 | | - - | |
| Plot 29 | | / | |
| Plot 30 | | / | |
| Plot 31 | | | |
| Plot 32 | | <i>I</i> | |
| Plot 33 | | / | |
| Plot 34 | | / | |
| Plot 35 | | 1 | |
| TOTAL No Cavity Trees | | Density Calculation: (use formula provided ²) | 🗇 Trees/ha |

¹No. of Plots: Sites ≤ 10 ha: 10 plots (minimum): each extra ha: 1 plot (up to max 35 plots). Plots = 0.05 ha or 12.6m radius. Select plots randomly. ²Total Cavity Tree Density = $\frac{total \# cavity trees}{(\# plots \times 0.05 ha)}$



NOTE: Decay classifications 4-6 should not be tallied in plots.

Page ____ of ____

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(Project Manager) REV: 2013-03-13 Signature:

| Stantec | Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | Bat Maternity Roost - Cavity Tree Density Plots Data Form (FOR USE IN FOD & FOM COMMUNITIES ONLY) | | |
|---------------------------|---|---------------|--|---|----------------------|
| Project Number: 160960709 | | Project Name: | Codar Po | i notice in the second s | |
| | 18/02/13 | 12150 | 14:40 | | l ^e |
| | DATE | TIME (start) | TIME (end) | Field Per | |
| Weather Conditions: | - 8 | 6 | 120000 | Light Snow | - |
| | TEMP (°C) | WIND | CLOUD | - PPT | PPT (in last 24 hrs) |

25

Feature #:

9 Feature Size (ha): 24.7 No. of Plots to Survey¹:

Plot No. Total No. of Cavity Trees Plot Center UTM (Zone: 177) Comments Plot 01 Å ЯQ GP \bigcirc Stall 4 Plot 02 Carl 16 Plot 03 O14 Plot 04 \bigcirc 14 04 Plot 05 O 1 6 prog Ø Plot 06 16 Plot 07 1 1 6 Plot 08 C 16 Blee Plot 09 ã. Ô Plot 10 1 1 Plot 11 Lak long Plot 12 Ô Plot 13 Plot 14 Plot 15 and a \bigcirc Plot 16 0ª 16 \bigcirc Plot 17 Ø Plot 18 Plot 19 C L, Cont h Plot 20 0 Color. Plot 21 \bigcirc 1 Plot 22 0 OPlot 23 E. 14 76

Page ____ of ____

Signature:

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| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 1771) | Comments |
|----------------------------|---------------------------|---|----------|
| Plot 24 | 6 | 0418768 14775695 | |
| Plot 25 | | 041873314775692 | |
| Plot 26 | | / | |
| Plot 27 | | 1 | |
| Plot 28 | | 1 | |
| Plot 29 | | 1 | |
| Plot 30 | | 1 | |
| Plot 31 | | | |
| Plot 32 | | 1 | |
| Plot 33 | | / | , |
| Plot 34 | | / | |
| Plot 35 | | / | |
| TOTAL No. Cavity Trees: | 1 | Density Calculation: (use formula provided ²) | Trees/ha |

¹No. of Plots: Sites ≤ 10 ha: 10 plots (minimum); each extra ha: 1 plot (up to max 35 plots). Plots = 0.05 ha or 12.6m radius. Select plots randomly. ²Total Cavity Tree Density = $\frac{total \# cavity trees}{(\# plots \times 0.05 ha)}$

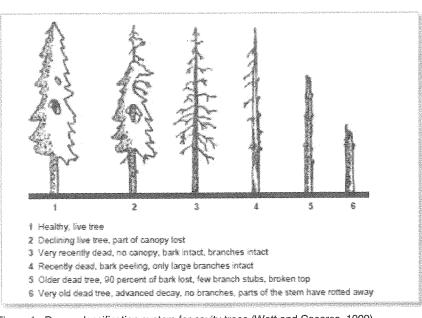


Figure 1: Decay classification system for cavity trees (Watt and Caceres, 1999) NOTE: Decay classifications 4-6 should not be tallied in plots.

Page ____ of ____ Signature:

Quality Control: This form is complete 3 & legible 3. Signature: (Project Manager)

| Stantec | Stantec Consulting Ltc 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | 1. | Cavity | Vaternity I Tree Dens Data Forn FOD & FOM COM | sity Plots |
|---------------------|--|--------------|---------------|--|----------------------|
| Project Number: | 160960 | 769 | Project Name: | Ceda/ | Point |
| | 18/03/13 | 14:50 | 15:15 | Late | ins |
| | DATE | TIME (start) | TIME (end) | Fie | ld Personnel |
| Weather Conditions: | ar nama | 5 | 10000 | | Some fight |
| | TEMP (°C) | WIND | CLOUD | PPT | PPT (in last 24 hrs) |

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 77) | Comments |
|----------|---------------------------|----------------------------|----------|
| Plot 01 | 6 | 0418430 14775617 | |
| Plot 02 | 0 | 0418373 14775585 | |
| Plot 03 | 0 | 0418365 14775582 | |
| Plot 04 | 0 | 041829014775594 | |
| Plot 05 | Ø | 0418221 14775577 | |
| Plot 06 | 0 | 0418160 14775616 | |
| Plot 07 | 0 | 0+18192 1477672 | |
| Plot 08 | 0 | 0+18245 14775669 | |
| Plot 09 | *** | 0418308 14775653 | |
| Plot 10 | 0 | 0+18336 14775632 | |
| Plot 11 | | / | |
| Plot 12 | | / | |
| Plot 13 | | / | |
| Plot 14 | | / | |
| Plot 15 | | / | |
| Plot 16 | | / | |
| Plot 17 | | / | |
| Plot 18 | | / | |
| Plot 19 | | / | |
| Plot 20 | | / | |
| Plot 21 | | / | |
| Plot 22 | | 1 | |
| Plot 23 | | / | |

10 Tundra Swans Fly-over

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Signature:

(Field Personnel)

Page ____ of ____

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone:) | Comments |
|----------------------------|---------------------------|---|------------|
| Plot 24 | | 1 | |
| Plot 25 | | 1 | |
| Plot 26 | | 1 | |
| Plot 27 | | 1 | , |
| Plot 28 | | / | |
| Plot 29 | | / | |
| Plot 30 | | 1 | |
| Plot 31 | | | |
| Plot 32 | | | |
| Plot 33 | | / | |
| Plot 34 | | / | |
| Plot 35 | | / | |
| TOTAL No. Cavity Trees: | | Density Calculation: (use formula provided ²) | 2 Trees/ha |

¹No, of Plots: Sites \leq 10 ha: 10 plots (minimum): each extra ha: 1 plot (up to max 35 plots). Plots = 0.05 ha or 12.6m radius. Select plots randomly. ²Total Cavity Tree Density = $\frac{total \# cavity trees}{(\# plots \times 0.05 ha)}$

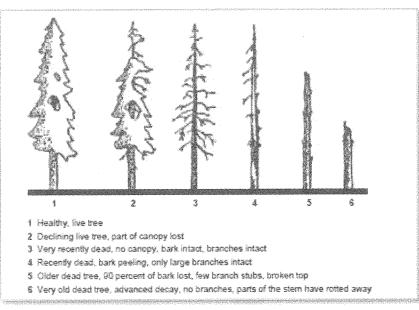


Figure 1: Decay classification system for cavity trees (Watt and Caceres, 1999) NOTE: Decay classifications 4-6 should not be tallied in plots.

Page ____ of ____

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(Project Manager) Signature: 1/ REV: 2013-03-13

| Stantec | Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | Cavity | Maternity Tree Den Data For FOD & FOM COM | sity Plots |
|---------------------|---|-----------------------|-------------------------|--|----------------------|
| Project Number | 16096070 | 9 | Project Name: | Ced o | / Point |
| | 19/03/13 DATE | 12:40 TIME (start) | 13 : / 4- TIME (end) | Kette | id Personnel |
| Weather Conditions: | - Cafe | harf. | 106°/0 | in the second se | Light Snow |
| | TEMP (°C) | WIND | CLOUD | PPT | PP竹 (in last 24 hrs) |

| Feature #: | <u> </u> | re (ha): 8,9 No. of Plots to Surve | ey ¹ : |
|------------|---------------------------|------------------------------------|-------------------|
| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 177) | Comments |
| Plot 01 | D D | 041887514775050 | |
| Plot 02 | 0 | 0418881 14775099 | |
| Plot 03 | 0 | 041886014775145 | |
| Plot 04 | Ô | 041887614775231 | |
| Plot 05 | D | 041886914775286 | |
| Plot 06 | ey, veri | 041890214775373 | |
| Plot 07 | 0 | 0418908 14775428 | |
| Plot 08 | 0 | 0419 969 14775425 | |
| Plot 09 | 0 | 0418990 14775348 | |
| Plot 10 | 0 | 041900514775265 | |
| Plot 11 | | 1 | |
| Plot 12 | | 1 | |
| Plot 13 | | / | |
| Plot 14 | | / | |
| Plot 15 | | 1 | |
| Plot 16 | | 1 | |
| Plot 17 | | 1 | |
| Plot 18 | | / | |
| Plot 19 | | / | |
| Plot 20 | | / | |
| Plot 21 | | / | |
| Plot 22 | | / | |
| Plot 23 | | / | |

Page ____ of ____

Signature:

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| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone:) | Comments |
|--------------------------|---------------------------------------|---|----------|
| Plot 24 | | / | |
| Plot 25 | | | |
| Plot 26 | · · · · · · · · · · · · · · · · · · · | | |
| Plot 27 | | | |
| Plot 28 | | | |
| Plot 29 | | | |
| Plot 30 | | | |
| Plot 31 | | | |
| Plot 32 | | | |
| Plot 33 | | / | |
| Plot 34 | | 1 | |
| Plot 35 | | 1 | |
| TOTAL No Cavity Trees | | Density Calculation: (use formula provided ²) | Trees/ha |

¹No. of Plots: Sites ≤ 10 ha: 10 plots (minimum); each extra ha: 1 plot (up to max 35 plots). Plots = 0.05 ha or 12.6m radius. Select plots randomly. ²Total Cavity Tree Density = $\frac{total \# cavity trees}{(\# plots \times 0.05 ha)}$

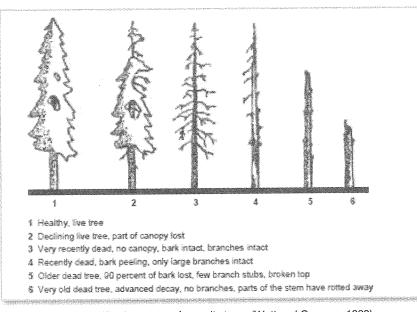


Figure 1: Decay classification system for cavity trees (Watt and Caceres, 1999) NOTE: Decay classifications 4-6 should not be tallied in plots.

Page ____ of ____

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Signature:

Ç, Signature: (Project Manager)

| Stantec | Stantec Consulting Ltd 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | 1. | Cavity | Aternity I Tree Dens Data Forn | sity Plots |
|---------------------|--|--------------|---------------|--------------------------------------|----------------------|
| Project Number | 1609607 | 109 | Project Name: | (oder | Point |
| | 19/03/13 | 10:00 | 11:10 | Katle: | re S |
| | DATE | TIME (start) | TIME (end) | Fie | eld Personnel |
| Weather Conditions: | an banderer. | 4 | 100000 | and the co | Linkt Snow |
| L | TEMP (°C) | WIND | CLOUD | PPT | PRJ (in last 24 hrs) |

| Feature #: | 25 Feature Siz | e (ha): 16,7 No. of Plots to Surv | ey1: |
|------------|---|-----------------------------------|----------------------|
| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 177) | Comments |
| Plot 01 | 0 | 042092614774583 | * Large amount of |
| Plot 02 | õ | 042099214774585 | selective logging in |
| Plot 03 | 0 | 042105314774529 | wood lot 3 |
| Plot 04 | 6 | 0422104314774467 | · · · · |
| Plot 05 | 0 | 0420995147744/0 | |
| Plot 06 | | 042092814774454 | |
| Plot 07 | | 042096214774406 | |
| Plot 08 | and the second se | 042100614774349 | |
| Plot 09 | *Electronic de la construcción de la constru | 042097814774274 | |
| Plot 10 | 0 | 042095514774231 | |
| Plot 11 | 0 | 042092714774147 | |
| Plot 12 | l | 0420900/4774095 | |
| Plot 13 | 0 | 0420781 14774128 | |
| Plot 14 | 0 | 042070014774219 | |
| Plot 15 | Õ | 042059214774324 | |
| Plot 16 | 2 | 04205644774364 | |
| Plot 17 | 0 | 042060714774399 | |
| Plot 18 | | / | |
| Plot 19 | | 1 | |
| Plot 20 | | 1 | |
| Plot 21 | | 1 | |
| Plot 22 | | 1 | |
| Plot 23 | | 1 | |

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Signature:

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone:) | Comments |
|------------------------|---------------------------|---|--------------|
| Plot 24 | | / | |
| Plot 25 | | / | |
| Plot 26 | | | |
| Plot 27 | | / | |
| Plot 28 | | 1 | |
| Plot 29 | | 1 | |
| Plot 30 | | 1 | |
| Plot 31 | | | · |
| Plot 32 | | | |
| Plot 33 | | / | |
| Plot 34 | | / | |
| Plot 35 | | 1 | |
| TOTAL N Cavity Tree | | Density Calculation: (use formula provided ²) | 8,2 Trees/ha |

¹No. of Plots: Sites \leq 10 ha; 10 plots (minimum): each extra ha: 1 plot (up to max 35 plots). Plots = 0.05 ha or 12.6m radius. Select plots randomly. ²Total Cavity Tree Density = $\frac{total \ \# \ cavity \ trees}{(\# \ plots \times 0.05 \ ha)}$

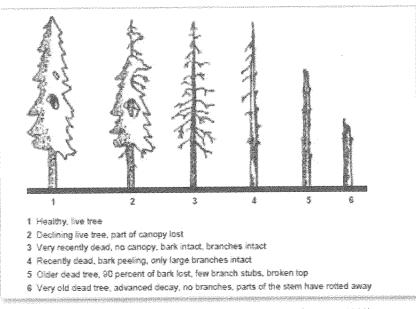


Figure 1: Decay classification system for cavity trees (Watt and Caceres, 1999) NOTE: Decay classifications 4-6 should not be tallied in plots.

Page ____ of ____

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(Project Manager) Signature: REV: 2013-03-13

|) | | | | | |
|---------------------|--|--------------|---------------|--|----------------------|
| Stantec | Stantec Consulting Ltc 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | ¥. | Cavity | Maternity Roo / Tree Density Data Form | / Plots |
| Project Number: | 16096072 | >9 | Project Name: | Cedar | Point |
| | | . 1976 | | | |
| | 19/03/13 | 11:30 | 12:10 | Katherin | e S |
| | DATE | TIME (start) | TIME (end) | Field Pe | ersonnel |
| Weather Conditions: | | kander. | 100000 | Light Snow | Light Snow |
| | TEMP (°C) | WIND | CLOUD | PPT | PPT (in last 24 hrs) |

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 177) | Comments |
|----------|---|-----------------------------|---|
| Plot 01 | 0 | 0421240 14771043 | |
| Plot 02 | 1 | 0421286 14771028 | *************************************** |
| Plot 03 | **eesaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa | 042135614771079 | · |
| Plot 04 | 0 | 042136214771079 | |
| Plot 05 | | 042137414771066 | |
| Plot 06 | 0 | 042128914771114 | |
| Plot 07 | 0 | 6471331 1477/189 | |
| Plot 08 | "" | 042131614771164 | |
| Plot 09 | 0 | 042130814771160 | |
| Plot 10 | D | 042120914771223 | |
| Plot 11 | | / · · · | |
| Plot 12 | | / | |
| Plot 13 | | 1 | |
| Plot 14 | | / | |
| Plot 15 | | 1 | |
| Plot 16 | | / | |
| Plot 17 | | / | |
| Plot 18 | | / | |
| Plot 19 | | / | |
| Plot 20 | | / | |
| Plot 21 | | / | |
| Plot 22 | | / | |
| Plot 23 | | / | *************************************** |

RTHA RBWD

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Signature:

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone:) | Comments |
|--------------------------|---------------------------------|--|----------|
| Plot 24 | | / | |
| Plot 25 | | 1 | |
| Plot 26 | | 1 | |
| Plot 27 | | / | |
| Plot 28 | | / | |
| Plot 29 | | | |
| Plot 30 | | 1 | |
| Plot 31 | | | |
| Plot 32 | · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · | |
| Plot 33 | | | |
| Plot 34 | | | |
| Plot 35 | | / | |
| TOTAL No Cavity Trees | | Density Calculation (use formula provided ² | Trees/ha |

¹No. of Plots: Sites ≤ 10 ha: 10 plots (minimum); each extra ha: 1 plot (up to max 35 plots). Plots = 0.05 ha or 12.6m radius. Select plots randomly. ²Total Cavity Tree Density = $\frac{total \# cavity trees}{(\# plots \times 0.05 ha)}$

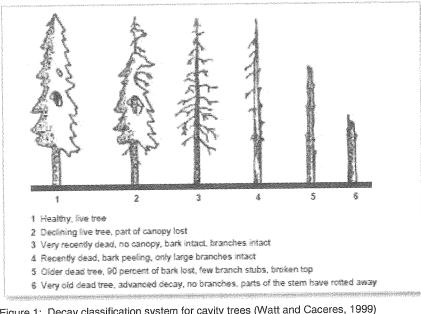


Figure 1: Decay classification system for cavity trees (Watt and Caceres, 1999) NOTE: Decay classifications 4-6 should not be tallied in plots.

Page ____ of ____

Signature:

Quality Control: This form is complete 34 tegible (Project Manager) Signature:

(Field Personnel)

REV: 2013-03-13

| Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | Bat Maternity Roost - Cavity Tree Density Plots Data Form (FOR USE IN FOD & FOM COMMUNITIES ONLY) | | | |
|--|-----------|--|------------|------------|----------------------|
| Project Number: (60960709 | | Project Nam | e: Ceda Po | int | |
| | 19/03/13 | 8130 | 9:10 | Kathei, | re S |
| | DATE | TIME (start) | TIME (end) | Field Pe | rsonnel |
| Weather Conditions: | - 5 | | 10000 | Light Snow | Light Snow |
| | TEMP (°C) | WIND | CLOUD | ✓ PPT | PPT (in last 24 hrs) |

| Feature #: | Reature Siz | e (ha): | /ey¹: ?2 |
|------------|---------------------------|-----------------------------|----------|
| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 177) | Comments |
| Plot 01 | 0 | 042294014774888 | |
| Plot 02 | | 042293714774859 | |
| Plot 03 | 1 | 042295714774809 | |
| Plot 04 | D | 042294514774749 | |
| Plot 05 | 0 | 042289714774806 | |
| Plot 06 | | 0422885 14774830 | |
| Plot 07 | 0 | 042292314775802 | |
| Plot 08 | 0 | 042288814775018 | |
| Plot 09 | | 0422857 14775035 | |
| Plot 10 | G | 642283714775067 | |
| Plot 11 | 0 | 042286414775100 | |
| Plot 12 | Ó | 042289314775087 | |
| Plot 13 | | / | |
| Plot 14 | | / | |
| Plot 15 | | 1 | |
| Plot 16 | | / | |
| Plot 17 | | / | |
| Plot 18 | | / | |
| Plot 19 | | | |
| Plot 20 | | / | |
| Plot 21 | | | |
| Plot 22 | | l | |
| Plot 23 | | | |

Page ____ of ____ Signature: Signature:

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone:) | Comments |
|------------------------|---------------------------|--|----------|
| Plot 24 | | / | |
| Plot 25 | | | |
| Plot 26 | | « | |
| Plot 27 | | 1 | |
| Plot 28 | | 1 | |
| Plot 29 | | 1 | |
| Plot 30 | | 1 | |
| Plot 31 | | | |
| Plot 32 | | | |
| Plot 33 | | 1 | |
| Plot 34 | | / | |
| Plot 35 | | / | |
| TOTAL N Cavity Tree | | Density Calculation (use formula provided ² | Trees/ha |

¹No. of Plots: Sites ≤ 10 ha; 10 plots (minimum); each extra ha: 1 plot (up to max 35 plots). Plots = 0.05 ha or 12.6m radius. Select plots randomly. ²Total Cavity Tree Density = $\frac{total \# cavity trees}{(\# plots \times 0.05 ha)}$

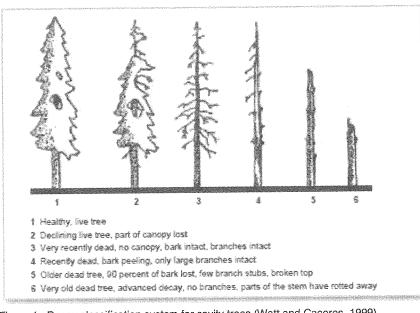


Figure 1: Decay classification system for cavity trees (Watt and Caceres, 1999) NOTE: Decay classifications 4-6 should not be tallied in plots.

Page ____ of ____

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Signature: (Project Manager) REV: 2013-03-13

| Stantec | Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | Bat Maternity Roost - Cavity Tree Density Plots Data Form (FOR USE IN FOD & FOM COMMUNITIES ONLY) | | |
|---------------------|---|--------------|--|-------------------|----------------------|
| Project Number | 1609607 | 09 | Project Name: | Cedar | Print |
| | 19/03/13 | 9:15 | 9:45 | Kate | |
| | DATE | TIME (start) | TIME (end) | Field | d Personnel |
| Weather Conditions: | | <u> </u> | 10000 | jatainininesses . | Linht Spand |
| | TEMP (°C) | WIND | CLOUD | PPT | PRD (in last 24 hrs) |

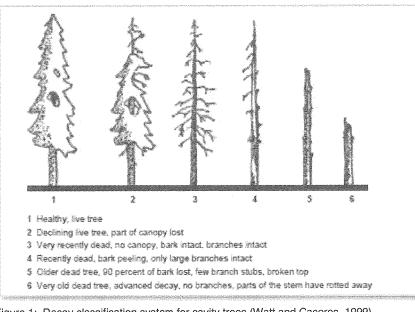
| Feature #: | <u> </u> | e (ha): 52 No. of Plots to Surv | ey': / () |
|------------|---------------------------|-----------------------------------|-----------|
| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 177) | Comments |
| Plot 01 | 0 | 0+2297414775638 | |
| Plot 02 | Ô | 042305214775574 | |
| Plot 03 | 4 | 042310114775582 | |
| Plot 04 | 0 | 0423103 14775633 | |
| Plot 05 | 0 | 042309214775690 | |
| Plot 06 | ٥ | 042308714775688 | |
| Plot 07 | 0 | 042303014775712 | |
| Plot 08 | Ð | 042301514775680 | |
| Plot 09 | \mathcal{O} | 042302314775670 | |
| Plot 10 | 0 | 0423002 14775639 | |
| Plot 11 | | / | |
| Plot 12 | | 1 | |
| Plot 13 | | 1 | |
| Plot 14 | | 1 | |
| Plot 15 | | / | |
| Plot 16 | | / | |
| Plot 17 | | / 5 | |
| Plot 18 | | 1 | |
| Plot 19 | | / | |
| Plot 20 | | | |
| Plot 21 | | / | |
| Plot 22 | | 1 | |
| Plot 23 | | 1 | |

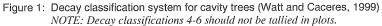
Page ____ of ____ Signature:

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| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone:) | Comments |
|----------------------------|---------------------------|--|------------|
| Plot 24 | | / | |
| Plot 25 | | / | |
| Plot 26 | | 1 | |
| Plot 27 | | 1 | |
| Plot 28 | | / | |
| Plot 29 | | / | |
| Plot 30 | | 1 | |
| Plot 31 | | | |
| Plot 32 | | | |
| Plot 33 | | 1 | |
| Plot 34 | | 1 | |
| Plot 35 | | / | |
| TOTAL No. Cavity Trees: | | Density Calculation: (use formula provided ²) | O Trees/ha |

¹No. of Plots: Sites \leq 10 ha: 10 plots (minimum): each extra ha: 1 plot (up to max 35 plots). Plots = 0.05 ha or 12.6m radius. Select plots randomly. ²Total Cavity Tree Density = $\frac{total \# cavity trees}{(\# plots \times 0.05 ha)}$





Page ____ of ____ Signature:

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(Project Manager) REV: 2013-03-13

| Stantec | Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | Bat Maternity Roost - Cavity Tree Density Plots Data Form (FOR USE IN FOD & FOM COMMUNITIES ONLY) | | |
|---------------------|---|--------------|--|------------|----------------------|
| Project Number: | ber: 160960709 | | Project Name | eder Pa | oj.A. |
| | 19/03/13 | 12:40 | 14:00 | J. B. | es (|
| | DATE | TIME (start) | TIME (end) | Field F | Personnel |
| Weather Conditions: | - 2 | kontere - | 100 00 | Linkt Snow | Lia Lt Snow |
| | TEMP (°C) | WIND | CLOUD | V PPT | PPT (in last 24 hrs) |

Feature #:

3 Feature Size (ha): 7 No. of Plots to Survey¹: 7

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 17 T) | Comments |
|----------|---------------------------|------------------------------|---------------------------------------|
| Plot 01 | 0 | 0416460 14775899 | |
| Plot 02 | 0 | 0416522 14775954 | |
| Plot 03 | 0 | 0416561 14776046 | |
| Plot 04 | | 0416558 14776124 | |
| Plot 05 | | 0416552 14776270 | |
| Plot 06 | | 0416458 14776259 | |
| Plot 07 | | 0416434 14776147 | · · · · · · · · · · · · · · · · · · · |
| Plot 08 | | 0416357 14776062 | |
| Plot 09 | | 0416402 14775950 | |
| Plot 10 | Ô | 041646514776148 | |
| Plot 11 | 0 | 041645 14776227 | |
| Plot 12 | | 0416362 14776076 | |
| Plot 13 | 0 | 0416317 14775986 | |
| Plot 14 | U U | 041637214775961 | |
| Plot 15 | | 32 | raccoor burrowed in fallen |
| Plot 16 | 0 | 041654814775875 | Gasso shaq |
| Plot 17 | 0 | 041637014775898 | |
| Plot 18 | | / | |
| Plot 19 | | 1 | |
| Plot 20 | | / | |
| Plot 21 | | / | |
| Plot 22 | | / | |
| Plot 23 | | | |

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| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone:) | Comments |
|--------------------------|---------------------------|---|----------|
| Plot 24 | | / | |
| Plot 25 | | 1 | |
| Plot 26 | | / | |
| Plot 27 | | / / | |
| Plot 28 | | 1 | |
| Plot 29 | | 1 | |
| Plot 30 | n | 1 | |
| Plot 31 | | | |
| Plot 32 | | 1 | |
| Plot 33 | | . / | |
| Plot 34 | | 1 | |
| Plot 35 | | 1 | |
| TOTAL No Cavity Trees | | Density Calculation (use formula provided ² | Trees/ha |

¹No. of Plots: Sites ≤ 10 ha: 10 plots (minimum): each extra ha: 1 plot (up to max 35 plots). Plots = 0.05 ha or 12.6m radius. Select plots randomly. ³Total Cavity Tree Density = $\frac{total \# cavity trees}{(\# plots \times 0.05 ha)}$

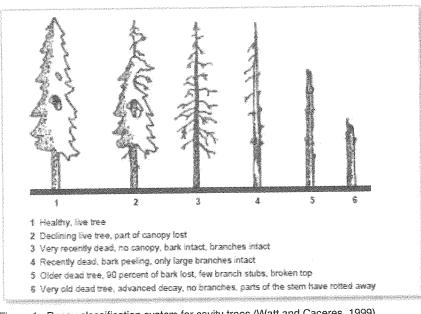


Figure 1: Decay classification system for cavity trees (Watt and Caceres, 1999) NOTE: Decay classifications 4-6 should not be tallied in plots.

Page ____ of ____

Signature:

| Quality Control: This | form is complete I & legible I. |
|-----------------------|---------------------------------|
| Signature: | Kath L |
| Projektion (| (Project Manager) |
| | REV: 2013-03-13 |

| Stantec | Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | Bat Maternity Roost - Cavity Tree Density Plots Data Form (FOR USE IN FOD & FOM COMMUNITIES ONLY) | | |
|---------------------|---|--|--|------------------------|--|
| Project Number: | ber: 160960709 | | Project Name: Codar Point | | |
| | 19/03/13 | 11:15 | 12:30 | 6. 3. | and the second sec |
| | DATE | TIME (start) | TIME (end) | Field | d Personnel |
| Weather Conditions: | - 2 | and the second sec | 1000/0 | 929 ^{5001/00} | was for the first the first the first sector of the |
| | TEMP (°C) | WIND | CLOUD | PPT | PPT (in last 24 hrs) |

| Feature #: | 32 Feature Siz | re (ha): Survey No. of Plots to Survey | rey1: 15 |
|------------|---------------------------|--|----------|
| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 27) | Comments |
| Plot 01 | 0 | 0416812 14775392 | |
| Plot 02 | 0 | 6416782 14775468 | |
| Plot 03 | 0 | 0416710 14775578 | |
| Plot 04 | D | 0416687 14775665 | |
| Plot 05 | 0 | 041664714775514 | |
| Plot 06 | 0 | 041661814775451 | |
| Plot 07 | Ó | 641652614775448 | |
| Plot 08 | 0 | 0416477 14775431 | |
| Plot 09 | 0 | 64-1637614775434 | |
| Plot 10 | 0 | 0416407 14775480 | |
| Plot 11 | 0 | 04-1647714775472 | |
| Plot 12 | 0 | 0+16499 14775598 | |
| Plot 13 | 0 | 041644914775678 | |
| Plot 14 | 0 | 041641414775657 | |
| Plot 15 | 0 | 041636514775616 | |
| Plot 16 | | 1 | |
| Plot 17 | | / | |
| Plot 18 | | 1 | |
| Plot 19 | | 1 | |
| Plot 20 | | 1 | |
| Plot 21 | | 1 | |
| Plot 22 | | 1 | |
| Plot 23 | | / | |

Page ____ of ____

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Signature:

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone:) | Comments |
|--------------------------|---------------------------|---|----------|
| Plot 24 | | / | |
| Plot 25 | | 1 | |
| Plot 26 | | / | |
| Plot 27 | | / | |
| Plot 28 | | / | |
| Plot 29 | | / | |
| Plot 30 | | / | |
| Plot 31 | | | |
| Plot 32 | | | |
| Plot 33 | | / | |
| Plot 34 | | 1 | |
| Plot 35 | | / | |
| TOTAL No Cavity Trees | | Density Calculation: (use formula provided ²) | Trees/ha |

¹No. of Plots: Sites \leq 10 ha; 10 plots (minimum): each extra ha: 1 plot (up to max 35 plots). Plots = 0.05 ha or 12.6m radius. Select plots randomly.

²Total Cavity Tree Density = $\frac{total \ \# \ cavity \ trees}{(\# \ plots \times 0.05 \ ha)}$

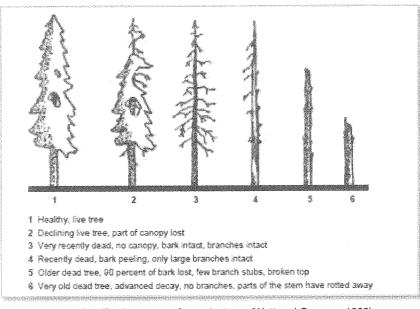


Figure 1: Decay classification system for cavity trees (Watt and Caceres, 1999) *NOTE: Decay classifications 4-6 should not be tallied in plots.*

Page ____ of ____ Signature: Quality Control: This form is complete 2 & tegible 3

Signature: (Project Manager) REV: 2013-03-13

| Stantec | Stantec Consulting Lt 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | Cavit | t Maternity Roo y Tree Density Data Form | Plots |
|---------------------|---|--------------|--------------|--|----------------------|
| Project Number: | 1609607 | 09 | Project Name | · Cedar Pr | sixt |
| | 19/03/13 | 14:40 | 15:40 | J. Be | Í. |
| | DATE | TIME (start) | TIME (end) | Field Pe | rsonnel |
| Weather Conditions: | 1990 - S | | 10000 | Light Snow | Liakt Show |
| | TEMP (°C) | WIND | CLOUD | PPT | PPT (in last 24 hrs) |

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 177) | Comments |
|----------|---------------------------|-----------------------------|-------------------------------|
| Plot 01 | 0 | 041692214774925 | |
| Plot 02 | 6 | 0416824 14774899 | |
| Plot 03 | 0 | 041679914774828 | Stick Nest (w/hay) in large N |
| Plot 04 | 0 | 0416789 14774738 | |
| Plot 05 | 0 | 0416781 14774612 | |
| Plot 06 | 0 | 0416775 14774488 | |
| Plot 07 | 0 | 0416785 14774397 | |
| Plot 08 | 0 | 0416792 14774475 | |
| Plot 09 | 0 | 0416812 14774623 | |
| Plot 10 | 0 | 041686314774635 | |
| Plot 11 | 0 | 041682414774762 | |
| Plot 12 | | / | |
| Plot 13 | | / | |
| Plot 14 | | / | |
| Plot 15 | | 1 | |
| Plot 16 | | / | |
| Plot 17 | | / | |
| Plot 18 | | / | - |
| Plot 19 | | 1 | |
| Plot 20 | | / | |
| Plot 21 | | / | |
| Plot 22 | | / | |
| Plot 23 | | / | |

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| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone:) | Comments |
|--------------------------|---------------------------|---|----------|
| Plot 24 | | / | |
| Plot 25 | | 1 | |
| Plot 26 | | | |
| Plot 27 | | 1 | |
| Plot 28 | | 1 | |
| Plot 29 | | 1 | |
| Plot 30 | | 1 | |
| Plot 31 | | | |
| Plot 32 | | | |
| Plot 33 | | 1 | |
| Plot 34 | | / | |
| Plot 35 | | 1 | |
| TOTAL No Cavity Trees | | Density Calculation: (use formula provided ²) | Trees/ha |

³Total Cavity Tree Density = $\frac{total \ \# \ cavity \ trees}{(\# \ plots \times 0.05 \ ha)}$

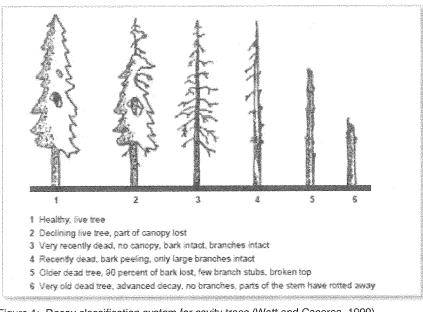


Figure 1: Decay classification system for cavity trees (Watt and Caceres, 1999) NOTE: Decay classifications 4-6 should not be tallied in plots.

Page ____ of ____

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Signature: Can (Project Manager) REV: 2013-03-13

| Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | Bat Maternity Roost - Cavity Tree Density Plots Data Form (FOR USE IN FOD & FOM COMMUNITIES ONLY) | | | |
|---|--------------------------|--|---------------|-----------|----------------------|
| Project Number: | Project Number: 60960709 | | Project Name: | Coday N | sint |
| | 20/03/13 | 14:30 | 15:30 | J. B. | |
| | DATE | TIME (start) | TIME (end) | Field P | ersonnel |
| Weather Conditions: | - 3 | | 10000 | Lightsnow | Lightsnow |
| | TEMP (°C) | WIND | CLOUD | PPT | PPT (in last 24 hrs) |

34 Feature Size (ha): 8,4 No. of Plots to Survey¹: 10

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 177) | Comments |
|----------|---------------------------------------|-----------------------------|-------------------|
| Plot 01 | 0 | 041510414774553 | Connerta |
| Plot 02 | 0 | 641509314774571 | |
| Plot 03 | ð | 041509814774608 | |
| Plot 04 | 0 | 0415108 14774625 | |
| Plot 05 | | 0415118 14774652 | |
| Plot 06 | 0 | 041510614774701 | |
| Plot 07 | | 041509514774765 | in large oak tree |
| Plot 08 | Ø | 041507914774676 | 100 |
| Plot 09 | д | 041508514774617 | |
| Plot 10 | 0 | 0415093 14774593 | |
| Plot 11 | | / | |
| Plot 12 | | 1 | |
| Plot 13 | | 1 | |
| Plot 14 | | 1 | |
| Plot 15 | | 1 | |
| Plot 16 | | 1 | |
| Plot 17 | | 1 | |
| Plot 18 | | 1 | |
| Plot 19 | | 1 | |
| Plot 20 | | / | |
| Plot 21 | | 1 | |
| Plot 22 | · · · · · · · · · · · · · · · · · · · | · 1 | |
| Plot 23 | | 1 | |

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(Project Manager) **PEW**: 2012 02 12

Signature:

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone:) | Comments |
|------------------------|---------------------------|---|---------------------------------------|
| Plot 24 | | / | |
| Plot 25 | | 1 | |
| Plot 26 | | 1 | |
| Plot 27 | | 1 | · · · · · · · · · · · · · · · · · · · |
| Plot 28 | | 1 | |
| Plot 29 | | | |
| Plot 30 | | 1 | |
| Plot 31 | | | |
| Plot 32 | | | |
| Plot 33 | | / | |
| Plot 34 | | / | |
| Plot 35 | | 1 | |
| TOTAL N Cavity Tree | | Density Calculation: (use formula provided ²) | Trees/ha |

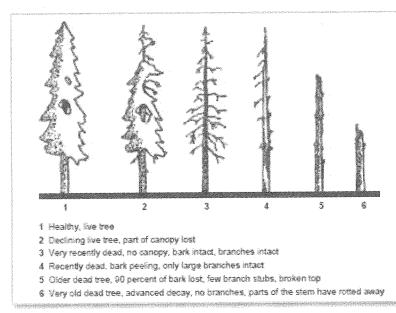


Figure 1: Decay classification system for cavity trees (Watt and Caceres, 1999) NOTE: Decay classifications 4-6 should not be tallied in plots.

²Total Cavity Tree Density = $\frac{total \# cavity trees}{(\# plots \times 0.05 ha)}$

Only sampled a very small fraction of entire woodlot. It was challenging to fit 10 non-our lapping plots in this small section. There were several 750cm dbh trees in this section

Page ____ of ____

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(Field Personnel)

REV: 2013-03-13

| Stantec | Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | Bat Maternity Roost - Cavity Tree Density Plots Data Form (FOR USE IN FOD & FOM COMMUNITIES ONLY) | | sity Plots m |
|---------------------|---|--------------|--|-------|----------------------|
| Project Number: | 60960 | 709 | Project Name: | Cedar | Point |
| | 21/03/13 | 6:00 | 8:30 | Kath. | ehre S |
| | DATE | TIME (start) | TIME (end) | Fie | eld Personnel |
| Weather Conditions: | - 5 | 2-3 | 100% | | Liaht-Snou |
| | TEMP (°C) | WIND | CLOUD | PPT | PPT (in last 24 hrs) |

Feature Size (ha): 5, 3 No. of Plots to Survey¹: 0

| Plot No. | Total No. of Cavity Trees | Blat Conton PEAN 17 17 | |
|----------|-----------------------------|-----------------------------|--|
| | A VER AND, OF CAVILY I PEES | Plot Center UTM (Zone: 177) | Comments |
| Plot 01 | <u>b</u> | 0416139 14774233 | *Accessible area of |
| Plot 02 | 0 | 641614714774222 | woodland includes large |
| Plot 03 | 0 | 0416136 14774205 | drain, with and loaged |
| Plot 04 | 0 | 0416137 14774196 | arra. Louis not Sit 10 |
| Plot 05 | | 1 | plats. The rest of the |
| Plot 06 | | / | wood land is which with |
| Plot 07 | | / | very frai trees > 25 cm |
| Plot 08 | |] | d.h. |
| Plot 09 | · · · · · · | / | n na haite a star a |
| Plot 10 | | / . | |
| Plot 11 | | 1 | |
| Plot 12 | | 1 | |
| Plot 13 | | / | |
| Plot 14 | | / | |
| Plot 15 | | / | |
| Plot 16 | | | |
| Plot 17 | | | |
| Plot 18 | |] | |
| Plot 19 | - | / | |
| Plot 20 | | | |
| Plot 21 | | . 1 | |
| Plot 22 | | / | |
| Plot 23 | | / | |
| | | | |

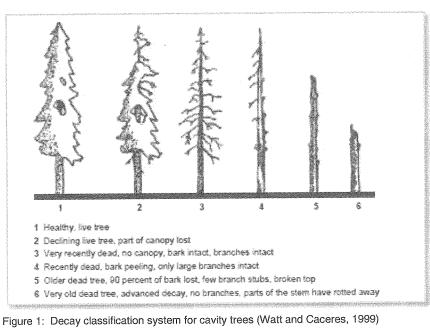
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| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone:) | Comments |
|--------------------------|---------------------------|---|----------|
| Plot 24 | | / | · |
| Plot 25 | | 1 | |
| Plot 26 | | / | |
| Plot 27 | | / | |
| Plot 28 | | 1 | |
| Plot 29 | | 1 | |
| Plot 30 | | 1 | |
| Plot 31 | | | |
| Plot 32 | | | |
| Plot 33 | | 1 | |
| Plot 34 | | 1 | |
| Plot 35 | | 1 | |
| TOTAL No Cavity Trees | | Density Calculation: (use formula provided ²) | Trees/ha |

²Total Cavity Tree Density = $\frac{total \notin cavity trees}{(\# plots \times 0.05 ha)}$



NOTE: Decay classifications 4-6 should not be tallied in plots.

Page ____ of ____

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REV: 2013-03-13

| StantecStantec Consulting Ltd.1 - 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | Bat Maternity Roost - Cavity Tree Density Plots Data Form (FOR USE IN FOD & FOM COMMUNITIES ONLY) | | | |
|--|---------------------------|--|---------------|-------|----------------------|
| Project Number | Project Number: 160960709 | | Project Name: | Codar | Point |
| | March 20/13 | 11:15 | 13115 | J. B. | a 1 |
| | DATE | TIME (start) | TIME (end) | Fie | ld Personnel |
| Weather Conditions: | | 2 | 60% | None | Light Snow |
| | TEMP (°C) | WIND | CLOUD | PPT | PPŤ (in last 24 hrs) |

45 Feature Size (ha):

(ha): 70 No. of Plots to Survey¹:

17.5

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 177) | Comments |
|----------|---------------------------|-----------------------------|----------|
| Plot 01 | 0 | 0413015 14771327 | |
| Plot 02 | 0 | 041309014771322 | |
| Plot 03 | 0 | 041306614771352 | |
| Plot 04 | 0 | 041305614771396 | |
| Plot 05 | Õ | 04305714771448 | |
| Plot 06 | 0 | 04 130 89 1 4771478 | |
| Plot 07 | 0 | 04314214771451 | |
| Plot 08 | 0 | 041319614771429 | |
| Plot 09 | 0 | 0+1322714771412 | |
| Plot 10 | 0 | 041327114771428 | |
| Plot 11 | 0 | 041330314771415 | |
| Plot 12 | 0 | 041335714771386 | - |
| Plot 13 | Ô | 041340414771385 | |
| Plot 14 | Ó | 041345714771400 | |
| Plot 15 | Ô | 041349214771424 | |
| Plot 16 | 0 | 041356314771430 | |
| Plot 17 | 0 | 041355614771470 | |
| Plot 18 | 0 | 041350314771483 | |
| Plot 19 | Ô | 041344114771456 | |
| Plot 20 | 0 | 0+1339514771445 | |
| Plot 21 | | 041335814771468 | |
| Plot 22 | 0 | 041333714771497 | |
| Plot 23 | | 0413318 14771530 | |

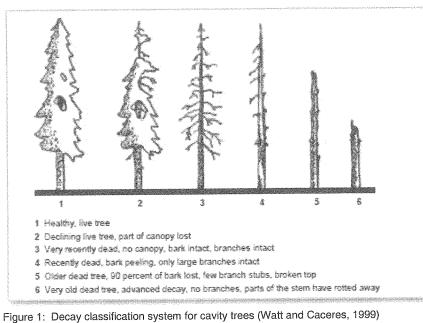
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Signature:

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 177) | Comments |
|----------------------------|---------------------------|---|----------|
| Plot 24 | 0 | 041330614771595 | |
| Plot 25 | 0 | 0413268 14771619 | \$ |
| Plot 26 | 0 | 041322414771645 | |
| Plot 27 | 0 | 041317214771649 | |
| Plot 28 | 0 | 041309614771635 | |
| Plot 29 | 0 | 0413085 14771595 | |
| Plot 30 | Ó | 0413086 14771556 | |
| Plot 31 | 0 | 0413027/4771649 | |
| Plot 32 | | 0413060 14771531 | |
| Plot 33 | 0 | 041302214771553 | |
| Plot 34 | 0 | 0412016 14771586 | |
| Plot 35 | Ö | 0412996 14771625 | |
| TOTAL No. Cavity Trees: | | Density Calculation: (use formula provided ²) | |

³Total Cavity Tree Density = $\frac{total \# cavity trees}{(\# plots \times 0.05 ha)}$



NOTE: Decay classification system for cavity nees (wait and classific NOTE: Decay classifications 4-6 should not be tallied in plots.

Page $\frac{\lambda}{2}$ of $\frac{\lambda}{2}$

Quality Control: This form is complete C & legible C. Signature: and the second (Project Manager) REV: 2013-03-13

| Stantec | Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | Bat Maternity Roost - Cavity Tree Density Plots Data Form (FOR USE IN FOD & FOM COMMUNITIES ONLY) | | |
|---------------------|---|--------------|--|--------------|----------------------|
| Project Number: | 160960 | 769 | Project Name: | (eda) | Point |
| | 20/03/13 | 9:15 | 11:00 | J. | Ball |
| | DATE | TIME (start) | TIME (end) | Fi | eld Personnel |
| Weather Conditions: | - 5 | 2 | 6090 | 458000000000 | Light Snow |
| | TEMP (°C) | WIND | CLOUD | PPT | PPŤ (in last 24 hrs) |

H & Feature Size (ha): 31

a): 2 No. of Plots to Survey¹: 3

| | | 122442012000000000000000000000000000000 | |
|----------|---------------------------|---|----------|
| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: <u>/7</u>) | Comments |
| Plot 01 | 0 | 04 6074 14771742 | |
| Plot 02 | 0 | 041209014771682 | |
| Plot 03 | 0 | 041208614771601 | |
| Plot 04 | 0 | 041209914771559 | |
| Plot 05 | 0 | 0412140 14771497 | |
| Plot 06 | \bigcirc | 0412235 14771466 | |
| Plot 07 | Ø | 041228414771497 | |
| Plot 08 | Ο. | 6412320 14771473 | |
| Plot 09 | 6 | 0412341 14771426 | |
| Plot 10 | 0 | 6412369 14771372 | |
| Plot 11 | C | 0412464 14771355 | |
| Plot 12 | 0 | 0412516 14771384 | |
| Plot 13 | 0 | 041253014771437 | |
| Plot 14 | 0 | 0412572 14771444 | |
| Plot 15 | 6 | 0412611 1477143) | |
| Plot 16 | 0 | 0412658 1 4771423 | |
| Plot 17 | Ò | (412680 1477140) | |
| Plot 18 | 0 | 0412673 1 4771392 | |
| Plot 19 | 0 | 0+1263614771376 | |
| Plot 20 | 0 | 041261514771378 | |
| Plot 21 | 0 | 041257/14771341 | |
| Plot 22 | <u>(</u> | 0412551 14771333 | |
| Plot 23 | 0 | 0412501 14771358 | |

Page ____ of ____

Signature:

Quality Control: This form is complete \Box & legible \Box .

Signature:

⁽Field Personnel)

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: <u>17</u>) | Comments |
|----------------------------|--|---|-------------------|
| Plot 24 | 0 | 0+12+46 14771368 | |
| Plot 25 | 0 | 041239114771394 | |
| Plot 26 | D | 041236914771406 | |
| Plot 27 | 0 | 041235314771413 | |
| Plot 28 | 0 | 041229714771432 | |
| Plot 29 | WINDOW Provide Pro | 6412456 14771429 | |
| Plot 30 | | 04125081,4771420 | with twigs inside |
| Plot 31 | 0 | 0412070 14771410 | 2 |
| Plot 32 | | 1 | |
| Plot 33 | | / | |
| Plot 34 | | / | |
| Plot 35 | | / | |
| TOTAL No. Cavity Trees: | 2 | Density Calculation: (use formula provided ²) | 1.3 Trees/ha |

²Total Cavity Tree Density = $\frac{total \# cavity trees}{(\# plots \times 0.05 ha)}$

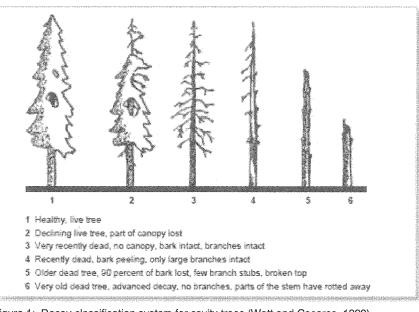


Figure 1: Decay classification system for cavity trees (Watt and Caceres, 1999) NOTE: Decay classifications 4-6 should not be tallied in plots.

Page ____ of ____ Signature: Quality Control: This form is complete 3-& legible 3.

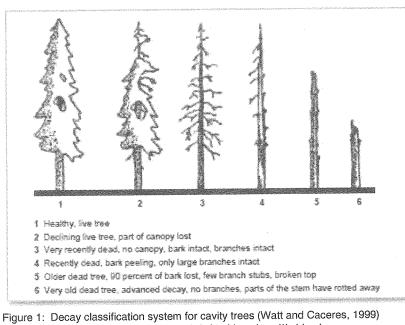
Signature: (Project Manager) REV: 2013-03-13

| Stantec | Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | Bat Maternity Roost - Cavity Tree Density Plots Data Form (FOR USE IN FOD & FOM COMMUNITIES ONLY) | | |
|---------------------|---|-----------------------|--|----------------|---------------|
| Project Number | 160960 | 709 | Project Name: | Gedar | Point |
| | 19/03/13 | 13:35 | 15:35 | Katle | Vire S |
| | DATE | TIME (start) | TIME (end) | Fi | eld Personnel |
| Weather Conditions: | the second se | and the second second | 100000 | - ALLER LANSES | Liakt Snow |
| L | TEMP (°C) | WIND | CLOUD | PPT | PP |

| Feature #: | 555 Feature Siz | re (ha): <u>79,3</u> No. of Plots to Survey | : 35 |
|------------|--|---|---|
| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 177) | Comments |
| Plot 01 | Contraction | 040878714768650 | |
| Plot 02 | 0 | 040875814768661 | |
| Plot 03 | 0 | 0408695 14768666 | |
| Plot 04 | and the second sec | 640863414768674 | |
| Plot 05 | Ö | 040859114768656 | |
| Plot 06 | 0 | 040854114768677 | |
| Plot 07 | 0 | 040848414768629 | |
| Plot 08 | 0 | 040844914768682 | |
| Plot 09 | 0 | 0408402 14768651 | |
| Plot 10 | 0 | 046836314768594 | |
| Plot 11 | C. | 0408325 14768641 | |
| Plot 12 | Ô | 040822814768896 | |
| Plot 13 | | 040827014768944 | |
| Plot 14 | | 0408238 14768490 | |
| Plot 15 | | 040823514769023 | |
| Plot 16 | 0 | 040917014769069 | |
| Plot 17 | 0 | 040813514769111 | |
| Plot 18 | D | 040810614769175 | |
| Plot 19 | ····· | 040806514769222 | |
| Plot 20 | 2 | 040804314769291 | |
| Plot 21 | | 5+08062 14769341 | |
| Plot 22 | <u> </u> | 0408034 14769368 | |
| Plot 23 | 5 O | 040795614769410 | |
| RTHA | White Tailed Dear (3) | age of Signature: (Field Personnel) | Quality Control:This form is complete & legible . Signature: (Project Manager) |

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 17 T) | Comments |
|--------------------------|---------------------------|---|----------|
| Plot 24 | Δ | 040796514769445 | |
| Plot 25 | 0 | 040794614769521 | |
| Plot 26 | 6 | 0407968 14769575 | |
| Plot 27 | 1 | 6408030 14769680 | |
| Plot 28 | 0 | 040802214769730 | |
| Plot 29 | Ð | 0408029 14769774 | |
| Plot 30 | \Box | 040804914769801 | |
| Plot 31 | 0 | 0408097 / 4769833 | |
| Plot 32 | | 0408153 14769823 | |
| Plot 33 | 0 | 0408167 14769802 | |
| Plot 34 | Ö | 040814114769720 | |
| Plot 35 | Yong | 040809914769666 | |
| TOTAL No Cavity Trees | | Density Calculation: (use formula provided ²) | |





NOTE: Decay classifications 4-6 should not be tallied in plots.

Page ____ of ____

Signature:

| Stantec | Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | Bat Maternity Roost - Cavity Tree Density Plots Data Form (FOR USE IN FOD & FOM COMMUNITIES ONLY) | | |
|---------------------|---|--------------|--|--|----------------------|
| Project Number: | 1609607 | 709 | Project Name: | Cody | v Paint |
| | 20/03/13 | 10:55 | 11/25 | Kathe | ive S. |
| | DATE | TIME (start) | TIME (end) | Fie | eld Personnel |
| Weather Conditions: | - infr | 3 | 4546 | and the second | Light Snow |
| | TEMP (°C) | WIND | CLOUD | PPT | PPT (in last 24 hrs) |

58

Feature Size (ha): /44 , No. of Plots to Survey1: 14

| Plot No. Total No. of Cavity Trees Plot Center UTM (Zone: $\frac{1}{2}T_{1}$) Comments Plot 01 1 0.41055414765272 X. Note : Plots have to be be Plot 02 0 0.410554714765272 X. Note : Plots have to be be Plot 03 0 0.410554714765267 Very close together. M/c Plot 04 1 0.410554714765287 preperty. Plots do not not Plot 05 1 0.41053314765287 preperty. Plots do not not Plot 06 0 0.41053114765321 over hap is hour every make it ft Plot 07 0 0.410553114765363 lock as if they de ft Plot 08 0 0.41055514765363 lock as if they de ft Plot 09 0 0.41049814765363 lock as if they de ft Plot 10 0 0.4104980147653637 lock as if they de ft Plot 18 0 0.410493147653272 lock as if they de ft Plot 13 0 0.410493147652722 lock as if they de | r | | | |
|--|----------|---------------------------|-------------------------------------|--------------------------|
| Plot 02 O OHIOSST / 4765267 Nerry close together Hic Plot 03 O OHIOS47 / 4765267 Nerry close together Hic Plot 03 O OHIOS47 / 4765287 Nerry close together Hic Plot 04 1 OHIOS33 / 4765289 property. Plots do not Plot 05 1 OHIOS31 / 4765289 property. Plots do not Plot 05 0 OHIOS31 / 4765384 property. Plots do not Plot 05 0 OHIOS31 / 4765384 property. Plots do not Plot 06 0 OHIOS31 / 4765384 property. Plots do not Plot 07 0 OHIOS55 / 14765363 look as if they do Plot 08 0 OHIO595 / 14765363 look as if they do Plot 08 0 OHIO498 / 4765357 look as if they do Plot 10 0 OHIO473 / 4765337 look as if they do Plot 11 0 OHIO475 / 4765377 look as if they do Plot 12 0 OHIO475 / 4765272 look as if they do Plot 13 0 OHIO475 / 4765272 loohi 147652742 <th>Plot No.</th> <th>Total No. of Cavity Trees</th> <th>Plot Center UTM (Zone: <u>177</u>)</th> <th>Comments</th> | Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: <u>177</u>) | Comments |
| Plot 02 O $0 + 105 + 7 + 476 + 3267$ Very close together b/c Plot 03 O $0 + 105 + 476 + 5267$ very close together b/c Plot 04 1 $0 + 105 + 476 + 5287$ $0 + 69 + 512 + 66 + 66 + 66 + 66 + 66 + 66 + 66 + $ | Plot 01 | | 041055414765272 | * Note: Plots have to be |
| Piot 03 6 041054614765274 of size of accessible Piot 04 1 041053314765289 property. Diots do not Piot 05 1 041054114765321 overlap; boursever, GPS Piot 06 0 041053114765324 overlap; boursever, GPS Piot 06 0 041053114765363 look as; if they do Piot 07 0 041050514765363 look as; if they do Piot 08 0 041049814765363 look as; if they do Piot 09 0 041049814765363 look as; if they do Piot 09 0 041049814765363 look as; if they do Piot 10 0 041049814765363 look as; if they do Piot 10 0 041049814765357 look as; if they do Piot 10 0 0410498147653337 look as; if they do Piot 12 0 04104753147653272 look as; if they do Piot 13 0 041049514765272 look as; if they do Piot 16 1 1 look as; if they do look as; if they do Piot 18 1 1 look as; if they | Plot 02 | 0 | | |
| Piot 04 1 041053314765289 property. Plots do and Piot 05 1 041054114765321 overlap; however, GPS Piot 06 0 041053114765346 overlap; however, GPS Piot 07 0 041050514765363 look as if they de Piot 08 0 041049814765363 look as if they de Piot 09 0 041049814765363 look as if they de Piot 09 0 041049814765363 look as if they de Piot 10 0 041048014765357 look as if they de Piot 10 0 041048014765337 look as if they de Piot 10 0 041047614765337 look as if they de Piot 10 0 04104761476537 look as if they de Piot 11 0 041047514765272 look Piot 13 0 041044514765272 look Piot 14 0 041049514765272 look Piot 15 1 look look Piot 18 1 look look Piot 19 1 look look Piot 20 | Plot 03 | 6 | a second a second second | |
| Piot 05) $0 + 105 + 1 + 4765321$ over lap; boursever, 695 Piot 06 0 $0 + 10531 + 4765346$ accurary may make it Piot 07 0 $0 + 10505 + 4765363$ look as if they de Piot 08 0 $0 + 10498 + 4765363$ look as if they de Piot 09 0 $0 + 10498 + 4765363$ look as if they de Piot 09 0 $0 + 10498 + 4765363$ look as if they de Piot 10 0 $0 + 10498 + 4765363$ look as if they de Piot 10 0 $0 + 10498 + 4765337$ look as if they de Piot 10 0 $0 + 10496 + 4765337$ look as if they de Piot 11 0 $0 + 10495 + 4765372$ look as if they de Piot 13 0 $0 + 10495 + 4765272$ look as if they de Piot 16 / / look as if they de look as if they de Piot 16 / / look as if they de look as if they de Piot 18 / / look as if they de look as if they de Piot 20 / / look as if they de look as if they de <t< th=""><th>Plot 04</th><th></th><th>041053314765289</th><th></th></t<> | Plot 04 | | 041053314765289 | |
| Piet 07 O 0410505 14765363 lack out any make it Piet 08 0 0410498 14765363 look as if they do Piet 09 0 0410498 14765363 look as if they do Piet 09 0 0410498 14765363 look as if they do Piet 09 0 0410496 14765357 look as if they do Piet 10 0 0410496 14765337 look as if they do Piet 11 0 0410473 14765337 look as if they do Piet 11 0 0410473 14765372 look as if they do Piet 13 0 0410473 14765272 look as if they do Piet 13 0 0410495 14765272 look as if they do Piet 16 / look as if they do look as if they do Piet 16 / look as if they do look as if they do Piet 18 / look as if they do look as if they do Piet 20 / / look as if they do look as if they do Piet 21 / / look as if they do look as if they do | Plot 05 | | 0410541 14765321 | overlag house (275 |
| Plot 08 0 0410393 14765363 100K as if they de Plot 08 0 0410498 14765363 100K as if they de Plot 09 0 0410498 14765357 100K as if they de Plot 09 0 0410496 14765357 14765319 Plot 10 0 0410476 14765319 14765319 Plot 12 0 0410473 14765297 14765319 Plot 13 0 0410463 14765272 14765319 Plot 14 0 0410495 14765272 14765319 Plot 15 / 1 1 Plot 16 / 1 1 Plot 16 / 1 1 Plot 18 / 1 1 Plot 19 / 1 1 Plot 20 / 1 1 Plot 21 / 1 1 | Plot 06 | 0 | 0410531 / 4765346 | aciusary many port |
| Plot 08 0 0410498 14765363 Plot 09 0 6410496 14765357 Plot 10 0 0410496 14765337 Plot 10 0 0410496 14765337 Plot 11 0 0410476 14765319 Plot 12 0 0410473 14765297 Plot 13 0 0410463 14765272 Plot 14 0 0410495 14765242 Plot 15 / / Plot 16 / / Plot 17 / / Plot 18 / / Plot 19 / . Plot 20 / . Plot 21 / . Plot 22 / . | Plot 07 | 0 | 0410505 14765363 | look as if they do |
| Plot 10 0 04/0496 / 4765337 Plot 11 0 04/0480 / 4765337 Plot 11 0 04/0476 / 4765374 Plot 12 0 04/0473 / 4765297 Plot 13 0 04/0463 / 4765272 Plot 14 0 04/0495 / 4765242 Plot 15 / Plot 16 / Plot 17 / Plot 18 / Plot 20 / Plot 21 / Plot 22 / | Plot 08 | 0 | 0410498 14765363 | |
| Plot 11 O O41647614765334 Plot 12 O O41647314765397 Plot 13 O O41646314765272 Plot 14 O O41646314765272 Plot 15 / Plot 16 / Plot 17 / Plot 18 / Plot 20 / Plot 22 / | Plot 09 | Ô | 041049614765357 | |
| Plot 12 D 041647314765297 Plot 13 0 041646314765272 Plot 14 0 041646314765272 Plot 15 1 Plot 16 1 Plot 17 1 Plot 18 1 Plot 20 1 Plot 22 1 | Plot 10 | 0 | 041048014765337 | |
| Plot 13 O O410463 14765272 Plot 14 O O410495 14765242 Plot 15 1 Plot 16 1 Plot 17 1 Plot 18 1 Plot 19 1 Plot 20 1 Plot 21 1 | Plot 11 | 0 | 041047614765319 | |
| Plot 14 Orthogs (1476524) Plot 15 / Plot 16 / Plot 17 / Plot 18 / Plot 19 / Plot 20 / Plot 22 / | Plot 12 | 0 | 041647314765297 | |
| Plot 15 / Plot 16 / Plot 17 / Plot 18 / Plot 19 / Plot 20 / Plot 22 / | Plot 13 | 0 | 041046314765272 | |
| Plot 15 / Plot 16 / Plot 16 / Plot 17 / Plot 18 / Plot 19 / Plot 20 / Plot 21 / | Plot 14 | 6 | 041049514765242 | |
| Plot 17 / Plot 18 / Plot 19 / Plot 20 / Plot 21 / Plot 22 / | Plot 15 | | 1 | |
| Plot 18 / Plot 19 / Plot 20 / Plot 21 / Plot 22 / | Plot 16 | | / | |
| Plot 19 / Plot 20 / Plot 21 / Plot 22 / | Plot 17 | | / | |
| Plot 20 / Plot 21 / Plot 22 / | Plot 18 | | . / | |
| Plot 21 / Plot 22 / | Plot 19 | | 1 | |
| Plot 22 / | Plot 20 | | 1 | |
| | Plot 21 | | / | |
| Plot 23 / | Plot 22 | | / | |
| | Plot 23 | | / | |

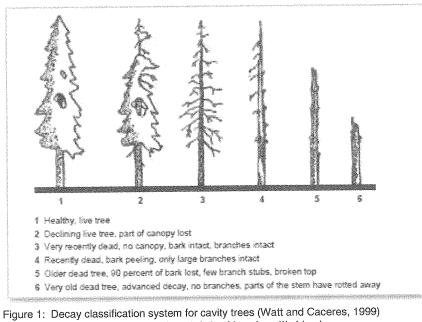
Page ____ of ____

Signature:

Quality Control: This form is complete D & legible D. Signature:

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone:) | Comments |
|------------------------|---------------------------|---|--------------|
| Plot 24 | | / | |
| Plot 25 | | 1 | |
| Plot 26 | | 1 | |
| Plot 27 | | 1 | |
| Plot 28 | | 1 | |
| Plot 29 | | 1 | |
| Plot 30 | | 1 | |
| Plot 31 | | | - |
| Plot 32 | · · · · · · · · · · | | |
| Plot 33 | | 1 | |
| Plot 34 | | 1 | |
| Plot 35 | | / | |
| TOTAL N Cavity Tree | | Density Calculation: (use formula provided ²) | 4,3 Trees/ha |

²Total Cavity Tree Density = $\frac{total \# cavity trees}{(\# plots \times 0.05 ha)}$



NOTE: Decay classifications 4-6 should not be tallied in plots.

Page ____ of ____

Signature:

Quality Control: This form is complete Q-& legible Q. Project Manager) Signature: REV: 2013-03-13

| Stantec | Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | Bat Maternity Roost - Cavity Tree Density Plots Data Form (FOR USE IN FOD & FOM COMMUNITIES ONLY) | | |
|---------------------|---|--------------|--|--|----------------------|
| Project Number: | 1609607 | 109 | Project Name: | Ceda(| Point |
| | 20/03/3 | 11:30 | 12:05 | Katle | :~~ 5 |
| | DATE | TIME (start) | TIME (end) | Fiel | d Personnel |
| Weather Conditions: | TEMP (20) | 3 | 45010 | est the fille that the fille the fil | Light Snow |
| | TEMP (°C) | WIND | CLOUD | PPT | PPT (in last 24 hrs) |

<u>.</u>9.

Feature Size (ha): 13.3 No. of Plots to Survey1: 13

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 177) | Comments |
|----------|---------------------------|-----------------------------|----------|
| Plot 01 | 0 | 041035714765232 | |
| Plot 02 | Ũ | 0410354 1476523) | <u> </u> |
| Plot 03 | 0 | 041035314765182 | 58 |
| Plot 04 | | 0410344 4765146 | |
| Plot 05 | | 041034214765108 | |
| Plot 06 | 2 | 041031714765100 | |
| Plot 07 | 0 | 041029514765114 | |
| Plot 08 | 6 | 0410311 14765146 | |
| Plot 09 | Ó | 041029914765154 | |
| Plot 10 | | 041027114765189 | |
| Plot 11 | 0 | 64(026414765210 | |
| Plot 12 | <u>ð</u> | 041027214765244 | |
| Plot 13 | Ó | 641030514765252 | |
| Plot 14 | | 1 | |
| Plot 15 | | 1 | |
| Plot 16 | | 1 | |
| Plot 17 | | 1 | |
| Plot 18 | | / | |
| Plot 19 | | / | |
| Plot 20 | | 1 | |
| Plot 21 | | 1 | |
| Plot 22 | | / | |
| Plot 23 | | | |

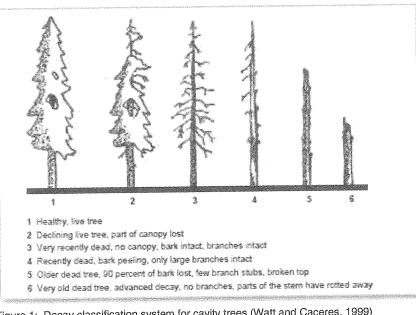
Page ____ of ____ Signature:

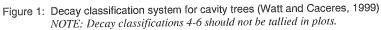
Quality Control: This form is complete

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.
Signature:

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone:) | Comments |
|--------------------------|---------------------------|--|----------|
| Plot 24 | | / | |
| Plot 25 | | 1 | |
| Plot 26 | | / | |
| Plot 27 | | 1 | |
| Plot 28 | | 1 | |
| Plot 29 | | 1 | |
| Plot 30 | | 1 | |
| Plot 31 | | | |
| Plot 32 | | | |
| Plot 33 | | | |
| Plot 34 | | / | |
| Plot 35 | | 1 | |
| TOTAL No Cavity Trees | | Density Calculation (use formula provided ²) | Trees/ha |

²Total Cavity Tree Density = $\frac{total \# cavity trees}{(\# plots \times 0.05 ha)}$





Page ____ of ____

Signature:

(Project Manager)

REV: 2013-03-13

| Stantec | Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Çanada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493 | | Bat Maternity Roost - Cavity Tree Density Plots Data Form (FOR USE IN FOD & FOM COMMUNITIES ONLY) | | |
|---------------------|---|--------------|--|--------|----------------------|
| Project Number: | 16096070 | 9 | Project Name: | Coda | Point |
| | 20/03/13 DATE | S : 5 S | 10:45 | Katlei | ne S |
| | | TIME (start) | TIME (end) | Field | Personnel |
| Weather Conditions: | TEMP (°C) | WIND | 나이아 6 CLOUD | PPT | PPT (in last 24 hrs) |

Feature #: 62 Feature Size (ha): 68.5 No. of Plots to Survey': 35

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 17 1) | Comments |
|----------|---------------------------|------------------------------|--------------------------|
| Plot 01 | 0 | 040868614765508 | |
| Plot 02 | 6 | 040863914765554 | |
| Plot 03 | 0 | 0408592 14765585 | passes along snow mobile |
| Plot 04 | 0 | 0408489 14765592 | trail (~ Im wide trail) |
| Plot 05 | | 0408401 14765534 | |
| Plot 06 | 0 | 0408447 14765651 | |
| Plot 07 | \bigcirc | 0408401 / 4765653 | |
| Plot 08 | 0 | 040840614765758 | |
| Plot 09 | | 0408373 1476 5791 | |
| Plot 10 | | 040823814765778 | |
| Plot 11 | | 040818214765761 | |
| Plot 12 | 0 | 0408131 14765750 | |
| Plot 13 | 0 | 040797214765393 | |
| Plot 14 | | 040786714765727 | |
| Plot 15 | 0 | 040781614765742 | |
| Plot 16 | 0 | 040784014765792 | |
| Plot 17 | 0 | 040765714765868 | |
| Plot 18 | | 040784714765936 | |
| Plot 19 | | 040785614765959 | |
| Plot 20 | _ | 540782014765948 | |
| Plot 21 | 0 (| 040777214765898 | |
| Plot 22 | 0 0 | 140774214765811 | |
| Plot 23 | | 140822414766038 | |

RBNDO

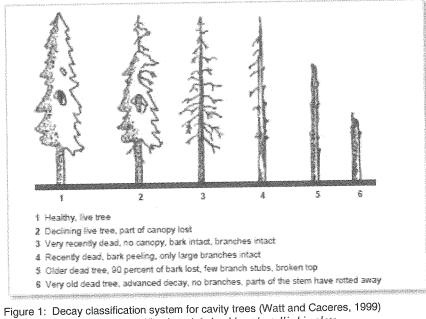
Page ____ of ____ Signature:

Quality Control: This form is complete \Box & legible $\Box.$ Signature:

| Plot No. | Total No. of Cavity Trees | Plot Center UTM (Zone: 177) | Comments |
|--------------------------|--|--|--------------|
| Plot 24 | 6 | 0408231 14766077 | |
| Plot 25 | 0 | 040824714766141 | |
| Plot 26 | Second Seco | 040824814766172 | |
| Plot 27 | 0 | 040827914766119 | |
| Plot 28 | 6 | 040928414766076 | |
| Plot 29 | 0 | 010940614765799 | |
| Plot 30 | 0 | 0408508 14765784 | |
| Plot 31 | 0 | 6468547 14765729 | |
| Plot 32 | 2. | 040861614765691 | |
| Plot 33 | 0 | 040866214765672 | |
| Plot 34 | 0 | CH08678 14765637 | |
| Plot 35 | 2 | 040868314765592 | |
| TOTAL No Cavity Trees | S. / | Density Calculation: (use formula provided ²) | 4.5 Trees/ha |

²Total Cavity Tree Density = $\frac{total \# cavity trees}{(\# plots \times 0.05 ha)}$

Select plots randomly.



NOTE: Decay classifications 4-6 should not be tallied in plots.

Page ____ of ____

Signature:

Quality Control: This form is complete C & legible -Signature: Under (Project Manager) REV: 2013-03-13