

# CANSO CAUSEWAY BIRD STUDY

January 6, 2015





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Mr. Glenn Goudey Nova Scotia Power Inc. 1223 Lower Water Street Halifax, NS B3J 3S8

Dear Mr. Goudey,

# Re: Canso Causeway Bird Study

Attached is the Canso Causeway Bird Study report. The report documents our observations and findings.

We trust this report to be satisfactory at this time. Once you have had opportunity to review this correspondence, please contact us to address any questions you may have.

Thank you,

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#### **EXECUTIVE SUMMARY**

Strum Consulting completed a bird interaction study (the Study) at the Canso Causeway location in Port Hawkesbury, NS in 2014. This study was conducted to assess the bird community (abundance and species composition), and to gauge bird behavioural responses to, and interaction with, NSPI infrastructure. Other potential mortality factors, including vehicular traffic, were also assessed.

The scope of the study included two main field components: active observations; and carcass searches which consisted of bi-weekly surveys within two, six-week periods (late spring and fall) when birds traditionally congregate in the area. The surveys were performed over two consecutive days.

The following key findings have been identified:

- A total of 3,093 birds were observed, comprising 73 species during the spring component of the study. The most common species observed were Herring Gull, Double-crested Cormorant, Common Tern, and Great Black Backed Gull.
- Terns were commonly observed carrying food from the south side of the Causeway
  and then heading north, suggesting that a possible nesting colony exists north of the
  Causeway.
- Foraging activities appeared concentrated in two areas. Gulls were commonly foraging along the north side of the Causeway extending to Auld's Cove, whereas cormorants appeared to forage further north of the Causeway.
- A total of 21,502 birds were detected, comprising 54 species during the fall component of the study. The most common species observed were Double-crested Cormorant, Herring Gull, Great Black Backed Gull, and Bonaparte's Gull.
- In comparison to spring bird activity, a significant increase in Double-crested
  Cormorants and gulls were noted. Cormorants were observed flying in large numbers
  (flocks of several hundred) from north to south in the morning and back again in the
  evening.
- Flight path adjustments in response to NSPI infrastructure included backtracking and completing several circles to achieve sufficient height needed to pass safely over the wires; hesitation before flying through the power lines; and increased nervousness on windy days especially with lighter species, such as terns.
- Successful areas for crossing the Causeway appeared to be near the northeastern most tower where the lines are higher.
- Several injuries and/or deaths were observed when species attempted to fly between the wires as opposed to under or over.
- A risk factor exists for species that would normally fly low over the water, such as terns
  and sea ducks. Upon approaching the Causeway these species are forced upward
  and either fly low over vehicular traffic or over the power lines thereby increasing their
  risk of collision with the lines and/or vehicles.
- Highest risk during the spring breeding season is to terns due to the increased numbers and observed difficulties with passing through the lines.



- During the fall migration, the highest risk is to cormorants due to the volume passing through; however ducks and terns are especially vulnerable as they normally fly low over the water.
- Duck species numbers are expected to increase into late October/November.
- A larger number of close calls were observed during the fall surveys in comparison to spring. The majority of collisions observed during September and October were a result of large flocks of birds, especially Double-crested Cormorants, passing back and forth through the Causeway.
- Mortality events were higher in fall (8 collisions) than those observed during the spring active observation surveys (1 collision).
- A total of 69 carcasses were identified during the spring and fall carcass searches.
   Most common carcasses observed were Double-crested Cormorant and Herring Gull.
- Scavenging rates appear to be high as the majority of carcasses observed were already partially consumed, however remnants (i.e. skeletons) generally remained present for multiple surveys.
- No vehicle-related bird mortalities were observed; however, traffic was shown to influence the behavior and flight pattern of birds passing through the Causeway.



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#### 1.0 INTRODUCTION

Strum Consulting completed a bird interaction study (the study) at the Canso Causeway location in Port Hawkesbury, Nova Scotia in 2014. The purpose of the study was to characterize the bird community (abundance and species composition) at the Canso Causeway during key periods when birds traditionally congregate in the area; and to gauge bird behavioural responses to, and interaction with, NSPI infrastructure. Other potential mortality factors, including vehicular traffic, were also assessed.

#### 2.0 SITE DETAILS

The Canso Causeway is a rock-fill Causeway which crosses the Strait of Canso, connecting Cape Breton and Mainland Nova Scotia (Drawing 1, Appendix A). The Causeway is approximately 1,372 m in length across the water with a surface width of 24.3 m. A 93.9 m swing bridge allows vessels to pass through the Strait. The Causeway has been in operation since 1955.

The Study Area encompasses the entire Causeway and surrounding viewscapes. The Causeway comprises a set of two paired transmission towers separated by a distance of approximately 330 m (Drawing 1). The southwestern tower connects to an additional tower located approximately 450 m to the southwest, which is located on the face of a steep topographical incline. The northeastern tower connects to an additional tower located approximately 480 m to the northeast, and is off-set approximately 85 m from the Causeway itself. The Cape Breton and Central Nova Scotia Railway runs parallel to the Causeway, along the northwestern side.

Suitable vantage points affording complete views of the Causeway were selected for watch count surveys, while carcass searches involved walking the entire Causeway, in amongst NSPI infrastructure.

# 3.0 METHODOLOGY

The study involved two main components: active observations and carcass searches. Details of each component are provided in the following sections.

# 3.1 Active Observations

Bird activity around NSPI infrastructure at the Causeway was evaluated by an expert birder. The survey program was completed in 2014 and consisted of bi-weekly surveys within two, sixweek periods (late spring and fall) when birds traditionally congregate in the area. The surveys were performed over two consecutive days. Surveys were conducted on the following dates:

June 5 and 6, 2014; June 12 and 13, 2014; June 18 and 19, 2014;



June 27 and 28, 2014; July 6 and 7, 2014; July 18 and 19 2014; September 17 and 18, 2014; September 22 and 23, 2014; October 4 and 5, 2014; October 11 and 12, 2014; October 15 and 16, 2014; and October 25 and 26, 2014.

The purpose of the surveys was: (1) to characterize the bird community (abundance and species composition) at the Causeway during these key periods; and (2) to gauge bird behavioural responses to, and interaction with, NSPI infrastructure that result in mortality. Other potential mortality factors, including vehicular traffic, were also assessed.

Surveys employed the watch count methodology (EC 2007) and were carried out from a suitable vantage point affording a complete view of the Causeway. Watch counts included a morning period (one half hour after sunrise until 10:00 AM) and an afternoon period (2:00 PM to 7:00 PM), to reflect the foraging ecology of different bird guilds expected to occur in the area. To reduce bias associated with observer distance (*i.e.*, to ensure the entire Causeway area is adequately surveyed), survey locations were alternated within a given week.

Information recorded during each survey included:

- Environmental/climatic conditions potentially influencing bird activity and/or detectability
  - Wind direction and speed
  - Visibility
  - o Precipitation
- Bird species composition and daily abundance estimates
- General behaviour observations of birds in the area
  - Subsurface foraging
  - Scavenging
  - Roosting
  - Transiting
- Bird responses to NSPI infrastructure (i.e., height, path) and behaviours, (including any avoidance behaviour)
- Bird interactions and behaviour to other variables and possible mortality factors, including vehicular traffic, food sources, etc.
- Observed mortality events, such as collisions with NSPI infrastructure.

## 3.2 Carcass Searches

Carcass searches were carried out along the Causeway to estimate bird mortality trends in the area during the study period. These searches were completed in the interim between morning and afternoon watch counts. Whenever possible, mortality resulting from injury (*i.e.*, collision



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with motor vehicles) was distinguished from that resulting from collision with NSPI power lines. The locations of all observed carcasses were recorded using a GPS capable of sub-5 m accuracy. All details relating to the carcass observation were recorded, including species, evidence of scavenging/decomposition, and obvious gross lesions. Representative photos were taken of each observed carcass.

Observed carcasses were left *in situ* and re-visited during subsequent searches to estimate general scavenging rates (*i.e.*, removal/consumed). Based on these observations, general scavenging activity/trends were estimated to account for birds killed but not observed.

#### 4.0 RESULTS

The Strait of Canso provides a migratory pathway for bird species, specifically those following coastal routes, wintering in areas south of Nova Scotia. Cormorants, terns, and gulls tend to nest in coastal colonies often amidst one another, where access to an abundant fish supply is present (NSDNR 2013). Each year Atlantic Saury (a.k.a. billfish, needlefish, skipjack) migrate from the Gulf of St. Lawrence to the eastern seaboard of the United States in late fall/early winter (Chaput and Hurlbut 2010). Historically the Strait of Canso provided a passageway for the fall migration; however the construction of the Causeway created a barrier for fish passage resulting in dense aggregations of Atlantic Saury along the northern portion of the Causeway (Canadian Heritage Information Network 1998). A large variety of gulls, waterfowl, gannets, and Bald Eagles congregate here for several weeks while the Atlantic Saury are migrating.

The following sections summarize the results of the bird interaction study.

## 4.1 Observed Bird Community

## 4.1.1 Spring Observations

During the spring component of the study, a total of 3,093 birds were detected, comprising 73 species. The most common species observed were Herring Gull (*Larus argentatus*), Double-crested Cormorant (*Phalacrocorax auritus*), Common Tern (*Sterna hirundo*), and Great Black Backed Gull (*Larus marinus*). Terns were commonly observed carrying food from the south side of the Causeway and then heading north, suggesting that a possible nesting colony exists north of the Causeway. Tern traffic through the Causeway appeared heaviest during the morning and evening.

Several passerines were noted on the Cape Breton side of the Causeway including several rarities, especially during the early June surveys. This suggests that the area may be a migration path for passerines.

Several Osprey were observed hovering over the Causeway, many times carrying nesting material. During two separate surveys (June and July), Osprey were observed to be placing nesting material on top of a tower along the Causeway. However, these birds were not successful at establishing a nest.



Crows, ravens, and gulls were regularly observed perching on top of the bridge and towers and scavenging along the Causeway. Invasive species, namely pigeons and European starlings were observed to be nesting in the Causeway bridge.

Foraging activities appeared concentrated in two areas. Gulls were commonly foraging along the north side of the Causeway extending to Auld's Cove. Cormorants mainly foraged several hundred metres to several kilometres north of the Causeway.

The most commonly observed species during the spring surveys are provided in Table 1. A complete list of all species observed during each spring survey is provided in Tables A1-A13 (Appendix B).

Table 1. Most Commonly Observed Species (Spring 2014)

Species	Number of Individuals Observed
Herring Gull	677
Double-crested Cormorant	628
Common Tern	623
Great Black-Backed Gull	407
Northern Gannet	177
European Starling	113
American Crow	72
Common Raven	37
Rock Dove	29
Bald Eagle	28
Cedar Waxwing	28
American Robin	21
Osprey	20
Common Loon	19
American Goldfinch	18
Yellow Warbler	16
Great Blue Heron	15
Song Sparrow	13

An increase in the bird community occurred during the July 6 and 7 surveys due to a 15 m beached whale a few hundred metres east of the Causeway's swing bridge. The whale, which was first sighted on July 3, washed ashore below the Port Hastings visitor information centre where it began to decompose until it was removed a week later on July 10.

One sighting of a Bank Swallow (*Riparia riparia*) was recorded on July 19. The Bank Swallow is listed as "Threatened" under the Nova Scotia *Endangered Species Act* (NS *ESA*). No other species with legal protection under the *Species at Risk Act* (*SARA*) or the NS *ESA* were observed during the spring surveys.



# 4.1.2 Fall Observations

During the fall component of the study, a total of 21,502 birds were detected, comprising 54 species. The most common species observed were Double-crested Cormorant, Herring Gull, Great Black Backed Gull, and Bonaparte's Gull (*Chroicocephalus philadelphia*).

In comparison to spring bird activity, a significant increase in Double-crested Cormorants and gulls was noted. Cormorants were observed flying in large numbers (flocks of several hundred) from north to south in the morning and back again in the evening. Traffic was heaviest within a half hour after sunrise then about one and a half hours before dusk. Flocks appeared more sporadic and smaller in the evening.

Northern gannet traffic was lower than expected which is possibly attributed to lower than normal billfish numbers, which often run through the area in late October/November (Pepper 2014).

Similar to the spring surveys, crows, ravens, and gulls were commonly perched on top of the bridge and towers and engaged in scavenging along the Causeway. Pigeons and European starlings were observed to be nesting in the Causeway bridge.

Foraging activities appeared consistent to spring observations with gulls foraging immediately north of the Causeway and cormorants foraging further north of the Causeway.

Birds counts were significantly higher during early fall (September/early October) with a noticeable decline mid-late October.

The most commonly observed species during the fall surveys are provided in Table 2. A complete list of all species observed during each fall survey is provided in Tables B1-B13 (Appendix B).

Table 2. Most Commonly Observed Species (Fall 2014)

Species	Number of Individuals Observed
Double-crested Cormorant	16,848
Herring Gull	906
Great black-backed Gull	796
Gull sp.	670
Bonaparte's Gull	531
Blue Jay	303
American Robin	264
Common Eider	221
American Crow	146
Common Merganser	143
Duck sp.	97
Bald Eagle	75



Species	Number of Individuals Observed
Surf scoter	66
Great Blue Heron	63
Common Grackle	50
European Starling	50
Pigeon	40

Two provincially protected species were observed during the fall surveys: the Harlequin Duck (*Histrionicus histrionicus*) and the Savannah Sparrow (*Passerculus sandwichensis*). The Harlequin Duck is listed as "Special Concern" under *SARA* and "Endangered" under NS *ESA*. The Savannah Sparrow is listed as "Special Concern" under *SARA*. No other species with legal protection under *SARA* or the NS *ESA* were recorded.

# 4.2 Bird Responses to NSPI Infrastructure

The following bird responses to NSPI infrastructure were observed.

# 4.2.1 General Observations

During the spring and fall surveys, general changes in behaviour of birds were noted in relation to the power lines. This included adjustments to flight paths, usually involving backtracking and completing several circles to achieve sufficient height needed to pass safely over the wires; hesitation before flying through the power lines; and increased nervousness on windy days especially with lighter species, such as terns. Birds that would normally fly low over the water, such as terns and ducks, are pushed up by the Causeway and forced to either fly low over traffic or over the power lines, thereby increasing their risk of collision with the lines and/or vehicles. These observations are detailed in Tables A1-A13 and B1-B13 in Appendix B. Bird responses which resulted in close contact to NSPI infrastructure and/or vehicles using the causeway are highlighted in yellow. Instances where species collided with NSPI infrastructure are highlighted in red.

Wind direction and speed seem to be factors in choosing routes over or around the Causeway. As would be expected, windy conditions exacerbate avoidance and nervous/hesitation behaviour. In high wind conditions, many birds, including cormorants, approach the Causeway near the bridge where the power lines are highest, but at the last minute detour to a land route to the east of the Causeway on the Cape Breton side. Other birds, especially gulls and terns, opt instead to fly with the wind towards the lines, turn into the wind and gain elevation, and then catch wind and 'slingshot' over the lines, sometimes upside down or backwards. This approach often required birds to kick their feet out at the last moment to slow themselves while crossing the line. Observations of gulls with severed feet and lame legs were noted during the active observation surveys, in addition to encountering several foot remnants along the Causeway during the carcass surveys.

Birds, mostly gulls, foraging over the Causeway are often blown towards the wires. Many fly towards the wires quickly but typically evade the wires at the last possible opportunity. Individuals that choose to fly through the wires either come very close to touching them or



collide with the infrastructure. Gulls appear to be more aware of the wires in comparison to other species. On a few occasions gulls would experience close calls with vehicular traffic or the power lines while fighting over food.

Successful areas for crossing the Causeway appeared to be near the northeastern most tower where the lines are higher, in addition to areas in the vicinity of the bridge and ship canal (Drawing 1). The southwestern portion of the Causeway appeared more difficult for individuals to cross due to slack power lines. At this location species would often hesitate and turn around.

During the spring surveys there was a fairly even distribution of birds flying over and beneath the lines, while significantly fewer chose to fly between the lines. One Common Tern struck the lines while travelling in a north to south direction during the June 27, 2014 survey.

Fall surveys observed a large proportion of birds travelling beneath the lines opposed to over. Cormorants in particular commonly flew under lines by a high spot near the northeastern most tower. Between the lines was the least favoured route, and resulted in several injuries and/or deaths when attempted. The following altercations were observed:

- September 17, 2014 Double-crested Cormorant hit the wires;
- September 18, 2014 Double-crested Cormorant flying south to north between the lines struck the wires;
- October 4, 2014 Double-crested Cormorant hit the wires;
- October 12, 2014 Double-crested Cormorant hit the wires;
- October 16, 2014 Double-crested Cormorant flying south to north between the lines hit the wires:
- October 16, 2014 Great Black-backed Gull flying south to north between the lines hit the wires.

Several close calls were also observed, predominantly for Herring Gulls, Double-crested Cormorants, and terns. Very few individuals were able to regain composure and fly off after striking a line.

No vehicle-related bird mortalities were observed; however, traffic was shown to influence the behaviour and flight pattern of birds passing through the Causeway. Several birds which would approach the Causeway at a lower elevation would become deterred by passing vehicles and turn around. Alternatively, approaching birds would circle back, sometimes multiple times to gain the altitude needed to pass over traffic. Double-crested Cormorants were observed to be monitoring traffic and would proceed under the transmission lines once a break in traffic was available. Herring Gulls, Double-crested Cormorants, Great Black-backed Gulls, and terns were all observed to adjust their flight pattern in response to vehicular traffic.

# 4.2.2 Terns

Terns had difficulties crossing the Causeway, especially in high winds. They appear less comfortable flying beneath the wires, yet struggle to move forward when flying high enough to



go over lines. Terns will often fly over land east of the Causeway on the Cape Breton side, where an elevated area of forested land exists, possibly providing some shelter from the wind. When approaching wires facing the wind, terns often hesitate and drop back slightly multiple times as if nervous to cross the wires. When approaching wires with the wind they often turn to face the wind just before the wires, then hover in front of wires to gain altitude. When they are high enough they catch the wind with their wings and sail backwards, often turning as they cross the wires. Gulls use this technique as well. On many occasions birds came very close to the wires while completing this manoeuvre.

#### 4.2.3 Cormorants

Cormorants exhibited greater difficulty flying with the wind and in very low wind conditions, in comparison with flying against the wind. They would often approach wires in an attempt to fly over, hesitate, then back-track, commonly making multiple approaches until acquiring enough height to pass over wires. Several minutes were typically spent circling and back-tracking to distances up to a kilometre at times. It appears riskier decisions were made after multiple approaches. Cormorants appeared prone to following others and on several occasions it was apparent after multiple attempts were made to go over the wires that the cormorants would observe a species fly under the wires and proceed to follow. When flying in large flocks, the pathway selected by the lead bird is typically the route attempted by the remaining flock. This often results in many birds making last second manoeuvres to avoid colliding with the wires.

## 4.2.4 Sea ducks

Sea ducks had difficulty crossing the Causeway, often hesitating when approaching lines. Sea duck observation numbers were very low, but they became more frequent later in October. Their numbers would have likely continued to increase into late October / November.

#### 4.3 Observed Mortalities

Several line-related fatalities were witnessed during the active observation surveys completed. In general, most birds that hit the line were flying with the wind and/or attempting to pass in between the wires. A Common Tern hit the wires and landed in the ship canal with a broken wing. Double-crested Cormorants were witnessed hitting the wires on six separate occasions. On three of the occasions, the cormorants were attempting to fly between the lines. A Great Black-backed Gull, also attempting to fly between the lines, clipped its wing and fell into the water.

During the spring surveys, a greater number of close calls were witnessed on June 28, July 6, and July 18. A total of 26 events occurred during the 3 surveys, the majority of which involved terns and gulls attempting to cross either between or over the lines. High wind conditions (>50 km/h) were present during the June 28 and July 6 survey which was believed to be a causing factor for the increased occurrence of close calls.

A larger number of close calls were encountered during the fall surveys in comparison to spring. The majority of collisions observed during September and October were a result of large flocks of birds, especially Double-crested Cormorants, passing back and forth through the Causeway.



A flock of duck species also encountered difficulties upon approaching the lines, resulting in several close calls. Wind was not observed to be a factor in the fall surveys.

As a result of increased bird activity during the fall surveys, mortality events were also higher in fall (8 collisions) than those observed during the spring active observation surveys (1 collision).

Other fatalities presumed, but not confirmed, to be caused by the power lines were noted during the carcass searches. These include:

- a Common Tern noted in the water under the lines;
- a Northern Gannet noted on the Causeway under the lines; and
- an Ovenbird (Seiurus aurocapillus) discovered between the rocks on the Causeway, under one of the towers.

Additional fatalities directly related to the power lines (*i.e.*, deceased birds stuck in the lines) were noted and included a Double-crested Cormorant and another unidentified bird. Both the cormorant and gannet noted in the water were found the day after a big storm suggesting that wind was probably a factor in the collision. The majority of collisions witnessed resulted in birds falling into the ocean; therefore carcasses were not able to be identified.

A total of 69 carcasses were identified during the spring and fall carcass searches and are summarized in Table 3. A detailed account of observed carcasses is provided in Table C (Appendix B).

**Table 3. Observed Mortalities** 

Species	Number of Carcasses Identified
American Crow	1
Common Eider	5
Common Merganser	1
Common Tern	1
Double-crested Cormorant	17
Great Black-backed Gull	6
Great Blue Heron	1
Gull sp.	6
Herring Gull	10
Northern Gannet	5
Savannah Sparrow	1
Ovenbird	1
Unknown/Unidentifiable Remnants	14
TOTAL	69



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In many instances (particularly for gulls and ducks) fresh carcasses were found during the carcass surveys, however collisions were not observed the previous day. It is assumed these mortality events likely occurred at night. Alternatively, collisions that were observed during the active observation surveys did not result in an identifiable carcass during the carcass surveys due to the majority of individuals falling to the ocean. On average, approximately five close calls of birds colliding with wires were witnessed a day. Numbers increased during the fall surveys when large flocks of cormorants, in particular, were flying over the Causeway.

Racoon, fox, and mink were noted along the Causeway, likely scavenging, in addition to crows, ravens, and gulls which were regularly patrolling the Causeway. Scat was also observed in the vicinity of the carcass piles. Scavenging rates appear to be high as the majority of carcasses observed were already scavenged, however remnants (i.e. skeletons) generally remained present for multiple surveys. Typical scavenging activities recorded during the surveys are listed below.

- A Double-crested Cormorant that hit the wires on September 17 was discovered on the road on September 18. During the September 23 survey the bird was still present, but had since been reduced to bones and feathers.
- Several carcasses were noted in close proximity to one another on two occasions. On June 13, 2014 a group of four Common Eiders were found within 20 m of one another along the rocks on the south side of the Causeway. On October 4, 2014 a pile of four to five Double-crested Cormorants and one to two gulls were observed and remained in the pile until October 16, 2014. It is our understanding that these individuals were placed at the location by Nova Scotia Department of Natural Resources NSDNR) staff as part of a carcass study. Remnants of the birds were scattered around the pile, assumed to have been dragged by scavengers.
- A decapitated Double-crested Cormorant was observed October 11 and remained in the same condition during the October 15 and October 16 carcass searches.
- On October 25, a fresh Common Eider carcass was observed and upon return to the site the following day (October 26) the Eider was still present but the chest had been eaten.
- Of the few fresh carcasses that were available for tracking on subsequent visits, it was apparent that scavenging took place within the first 24 hours of mortality. Once species were reduced down to skeletal remains, these remnants remained present for several subsequent visits. The majority of the carcass sightings throughout the spring and fall surveys were remnants.

Observations made during the carcass surveys indicate that apart from individuals who fell directly into the ocean, carcass observations whether fresh or old, are thought to be an accurate reflection of mortality trends at the site as a result of existing Causeway infrastructure.



#### 5.0 DISCUSSION

There are multiple variables to consider when discerning the cause and probability of avian collision with transmission lines. The infrastructure type and design can significantly impact interactions with birds. Specifically, the height of power lines with respect to flight paths can be extremely important. Transmission lines (18.3–58 m) may be a greater threat to birds while flying at higher altitudes (e.g., migratory flights), while distribution lines (6.4–14.6 m) may become dangerous during lower altitude local flights (APLIC 2012). A flight path between the lines was the least favoured route, and resulted in several injuries and/or deaths when attempted. Causeway infrastructure appearing to cause the most difficulties was the uppermost guide wire of the taller power line which appears to be relatively thin (and perhaps less visible) in comparison with other lines.

Pandey et al. (2008) also found that the middle span of power lines was the most common place for collisions, which suggests that birds might aim for the point equidistant from the more visible poles. The Canso Causeway site comprises a set of two paired transmission towers separated by a distance of approximately 330 m. The southwestern tower connects to an additional tower located approximately 450 m to the southwest, which is located on the face of a steep topographical incline. The northeastern tower connects to an additional tower located approximately 480 m to the northeast, and is off-set approximately 85 m from the Causeway itself. Although the span of powerlines between the southern-most towers is 450 m, the steep rock face of the Porcupine Mountain Quarry extends into the Strait of Canso, creating a narrow passageway for birds approaching from the south. The two northern-most towers provide the greatest span of lines (480 m) and opportunity for crossing between towers. Results from the study indicate the northeastern side of the Causeway to be the favoured pathway for birds in comparison to the southwestern side. In addition, higher mortality and close calls for collisions with NSPI infrastructure were observed in the vicinity of the southwestern tower.

Species flight behaviour also influences the risk of collisions with NSPI infrastructure. Species that flock, have rapid flight, and are large with slow manoeuverability (high wing loading and low wing aspect ratio) are especially vulnerable (Bevanger 1998; Crowder and Rhodes 2002; Erickson et al. 2001; Manville 2005). Based on the study results, flocks of cormorants and duck species were at a greater risk for collisions. These species tend to congregate together in flight and upon approaching the transmission lines become hesitant, nervous, and often panic and turn around. Last minute manoeuvers tend to result in close calls and in some instances a collision. Waterfowl and waterbirds typically struggle when manoeuvering between the lines, due to their large bodies and small wings which create a rapid flight pattern. In addition, these species normally fly low over the water creating further vulnerability for collisions as they are forced upward upon approaching the Causeway and must either fly low over vehicular traffic or gain sufficient altitude to pass over the power lines.

From a seasonal perspective, the highest risk during the spring breeding season is to terns due to the increased numbers and observed difficulties with passing through the lines. During the fall migration, the highest risk is to cormorants due to the volume passing through; however



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ducks and terns are especially vulnerable as they normally fly low over the water. Although only a few duck species were observed, numbers are expected to increase into late October/November.

Power lines are often difficult for birds to see and can sometimes appear invisible due to background or low light conditions. Birds with eyes in the front of their head (hawks, raptors) likely have better depth perception and were not observed to hit power lines during the studies. Birds with eyes in the side of their heads (ducks, gulls, cormorants, terns) have reduced depth perception which is a likely contributor to higher collision rates and was a trend witnessed during this study. Similarly, waterfowl may also be more vulnerable for collision due to adaptations for underwater vision. Many waterfowl are emmetropic, which causes nearsightedness above water (Jones et al. 2007, APLIC 2012). During the study period, waterfowl observation numbers were very low, but they became more frequent later in October. Numbers would have likely continued to increase into late October/November.

Although uncontrollable, weather associated with poor visibility, such as fog, cloud, and precipitation, is also associated with higher collision rates (APLIC 2012). Evidence suggests that wind was a factor in close calls or mortality events at the Canso Causeway likely due to a lack of control in the flight path. Many birds approach the power lines near the bridge, but decide on land route once getting closer, possibly trying to avoid the Causeway in the wind. No notable variations in mortality rates were observed when comparing poor visibility and good visibility conditions at the Canso Causeway. However, due to the inability for direct observations to be made during poor visibility events by the assessor, confirmation of mortality rate trends during such conditions was unattainable.

## **6.0 SUMMARY**

The following key findings have been identified:

- A total of 3,093 birds were observed, comprising 73 species during the spring component of the study. The most common species observed were Herring Gull, Double-crested Cormorant, Common Tern, and Great Black Backed Gull.
- Terns were commonly observed carrying food from the south side of the Causeway and then heading north, suggesting that a possible nesting colony exists north of the Causeway.
- Foraging activities appeared concentrated in two areas. Gulls were commonly foraging along the north side of the Causeway extending to Auld's Cove, whereas cormorants appeared to forage further north of the Causeway.
- A total of 21,502 birds were detected, comprising 54 species during the fall component of the study. The most common species observed were Double-crested Cormorant, Herring Gull, Great Black Backed Gull, and Bonaparte's Gull.
- In comparison to spring bird activity, a significant increase in Double-crested
   Cormorants and gulls were noted. Cormorants were observed flying in large numbers



- (flocks of several hundred) from north to south in the morning and back again in the evening.
- Flight path adjustments in response to NSPI infrastructure included backtracking and completing several circles to achieve sufficient height needed to pass safely over the wires; hesitation before flying through the power lines; and increased nervousness on windy days especially with lighter species, such as terns.
- Successful areas for crossing the Causeway appeared to be near the northeastern most tower where the lines are higher.
- Several injuries and/or deaths were observed when species attempted to fly between the wires as opposed to under or over.
- A significant risk factor exists for species that would normally fly low over the water, such as terns and sea ducks. Upon approaching the Causeway these species are forced upward and either fly low over vehicular traffic or over the power lines thereby increasing their risk of collision with the lines and/or vehicles.
- Highest risk during the spring breeding season is to terns due to the increased numbers and observed difficulties with passing through the lines.
- During the fall migration, the highest risk is to cormorants due to the volume passing through; however ducks and terns are especially vulnerable as they normally fly low over the water.
- Duck species numbers are expected to increase into late October/November.
- A larger number of close calls were observed during the fall surveys in comparison to spring. The majority of collisions observed during September and October were a result of large flocks of birds, especially Double-crested Cormorants, passing back and forth through the Causeway.
- Mortality events were higher in fall (8 collisions) than those observed during the spring active observation surveys (1 collision).
- A total of 69 carcasses were identified during the spring and fall carcass searches.
   Most common carcasses observed were Double-crested Cormorant and Herring Gull.
- Scavenging rates appear to be high as the majority of carcasses observed were already partially consumed, however remnants (i.e. skeletons) generally remained present for multiple surveys.
- No vehicle-related bird mortalities were observed; however, traffic was shown to influence the behavior and flight pattern of birds passing through the Causeway.

# 7.0 STATEMENT OF QUALIFICATIONS AND LIMITATIONS

This Report (the "Report") has been prepared by Strum Environmental ("Consultant") for the benefit of Nova Scotia Power Inc. ("Client") in accordance with the agreement between Consultant and Client, including the scope of work detailed therein (the "Agreement").

The information, data, recommendations, and conclusions contained in the Report (collectively, the "Information"):



- is subject to the scope, schedule, and other constraints and limitations in the Agreement and the qualifications contained in the Report (the "Limitations")
- represents Consultant's professional judgement in light of the Limitations and industry standards for the preparation of similar reports
- may be based on information provided to Consultant which has not been independently verified
- has not been updated since the date of issuance of the Report and its accuracy is limited to the time period and circumstances in which it was collected, processed, made or issued
- must be read as a whole and sections thereof should not be read out of such context
- was prepared for the specific purposes described in the Report and the Agreement
- in the case of subsurface, environmental, or geotechnical conditions, may be based on limited testing and on the assumption that such conditions are uniform and not variable either geographically or over time

Consultant shall be entitled to rely upon the accuracy and completeness of information that was provided and has no obligation to update such information. Consultant accepts no responsibility for any events or circumstances that may have occurred since the date on which the Report was prepared and, in the case of subsurface, environmental, or geotechnical conditions, is not responsible for any variability in such conditions, geographically or over time.

Consultant agrees that the Report represents its professional judgement as described above and that the Information has been prepared for the specific purpose and use described in the Report and the Agreement, but Consultant makes no other representations, or any guarantees or warranties whatsoever, whether express or implied, with respect to the Report, the Information or any part thereof.

The Report is to be treated as confidential and may not be used or relied upon by third parties, except:

- as agreed in writing by Consultant and Client
- as required by law
- for use by governmental reviewing agencies

Consultant accepts no responsibility, and denies any liability whatsoever, to parties other than Client who may obtain access to the Report or the Information for any injury, loss, or damage suffered by such parties arising from their use of, reliance upon, or decisions or actions based on the Report or any of the Information ("improper use of the Report"), except to the extent those parties have obtained the prior written consent of Consultant to use and rely upon the Report and the Information. Any damages arising from improper use of the Report or parts thereof shall be borne by the party making such use.



Project #14-5063

This Statement of Qualifications and Limitations forms part of the Report and any use of the Report is subject to the terms hereof.

Should additional information become available, Strum requests that this information be brought to our attention immediately so that we can re-assess the conclusions presented in this report. This report was prepared by by Andy Walter, BSc., Environmental Specialist and Megan Henley, BSc., Environmental Specialist., and was reviewed by Shawn Duncan, BSc., Vice President.



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# APPENDIX A DRAWING



# APPENDIX B BIRD SPECIES OBSERVATION TABLES

# Active Observation Survey - Colour Legend

Yellow: An observed close call interaction between the bird and Canso Causeway infrastructure and/or vehicular traffic.

Red: An observed interaction between the bird and Canso Causeway infrastructure and/or vehicular traffic, resulting in injury and/or fatality.

Date June 5, 2014

Time of Day	Common Name	Scientific Name	No of individuals	Species Behaviour
Very foggy, 9	deg celcius, wind 5-10km/hr.			
05:15:00	Yellow Warbler	Setophaga petechia	3	Singing in area
	Song Sparrow	Melospiza melodia	2	Singing in area
	Purple Finch	Haemorhous purpureus	2	Singing in area
	American Robin	Turdus migratorius	3	Singing in area
	Rock Dove	Columba livia	10	Living in bridge
	European Starling	Sturnus vulgaris	25	Living in bridge
05:45:00	Common Tern	Sterna hirundo	2	Foraging south of causeway.
06:15:00	Common Raven	Corvus corax	2	Being chased by crows over lines S to N
	American Crow	Corvus brachyrhynchos	2	Chasing Ravens over lines south to north.
06:30:00	Black-capped Chickadee	Poecile atricapillus	2	Singing in area
06:45:00	Common Grackle	Quiscalus quiscula	1	Foraging near causeway.
07:00:00	Chestnut Sided Warbler	Setophaga pensylvanica	1	Singing in area
07:15:00	Alder Flycatcher	Empidonax alnorum	1	Foraging near causeway.
7.13.00	American Crow	Corvus brachyrhynchos	3	Perching on towers.
	American Crow	Corvus brachymyrichos	3	
7:30:00	Cedar Waxwing	Bombycilla cedrorum	16	Travelling from mainland to Cape Breton. Flying low(10m) over water.
07:45:00	American Goldfinch	Spinus psaltria	2	Seen on Cape Breton side of causeway.
08:00:00	Ruby-throated Hummingbird	Archilochus colubris	1	Looked like it came from mainland to CB.
08:15:00	Eastern Bluebird	Sialia sialis	1	Seen on CB side of causeway.
	Chipping Sparrow	Spizella passerina	1	Singing in area
08:30:00	Tree Swallow	Tachycineta bicolor	2	Foraging near bridge
				Flew between lines awkwardly. Had to make last minute
	Double-crested Cormorant	Phalacrocorax auritas	1	adjustments.
	Arctic Tern	Sterna paradisaea	1	Foraging near bridge
09:00:00		otorna paradicada		Circling north of causeway. Flew just under power lines
30.00.00	Double-crested Cormorant	Phalacrocorax auritas	4	north to south.
	Herring Gull	Larus argentatus	1	South to North under lines.
09:15:00	Great Black-backed Gull	Larus marinas	1	South to North under lines.
19.15.00			•	
	Tree Swallow	Tachycineta bicolor	2	Foraging near bridge
09:30:00	Bald Eagle	Haliaeetus leucocephalus	1	Flew across water south of causeway.
09:45:00	Double-crested Cormorant	Phalacrocorax auritas	1	Flew over lines south to north. Lowered altitude after crossing wires.
	Common Tern	Sterna hirundo	1	Flew under lines through ship canal.
	Great Black-backed Gull	Larua marinaa	1	Over lines south to north. Had to gain altitude to cross
		Larus marinas	ı	wires.
Afternoon Sur	vey: Cloudy, Wind 10-20 km/h NW			
14:00:00	American Goldfinch	Spinus psaltria	1	Singing in area
	American Redstart	Setophaga ruticilla	1	Singing in area
	American Robin	Turdus migratorius	1	Singing in area
	Blue Headed Vireo	Vireo solitarius	1	Singing in area
14:30:00	Bald Eagle	Haliaeetus leucocephalus	1	Flew East to West across water, aprox. 1Km North of causeway.
	Herring Gull	Larus argentatus	1	Foraging North of causeway.
14:45:00	Double-crested Cormorant	Phalacrocorax auritas	1	Flew North to South under lines.
15:00:00			•	
15.00.00	Herring Gull	Larus argentatus	2	Flew North to South high over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	Flew North to South over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	Flew towards wires, turned around and made a big circle to gain altitude, then decided to go under. Seemed like i was having trouble deciding what to do.
15:15:00	Common Raven	Corvus corax	1	Circling over quarry
6:00:00	Great Black-backed Gull	Larus marinas	1	Flew South to North under lines through ship canal.
		Larus marinas	1	Flew North to South over wires.
	Great Black-backed Gull			
16:30:00	Great Black-backed Gull Osprev			
	Osprey	Pandion haliaetus	1	Soaring over water.
17:00:00				Soaring over water. Foraging on North side of Causeway Flying North to South over lines. All three having
7:00:00	Osprey Great Black-backed Gull Double-crested Cormorant	Pandion haliaetus Larus marinas Phalacrocorax auritas	1 2 3	Soaring over water. Foraging on North side of Causeway Flying North to South over lines. All three having difficulty gaining height.
7:00:00 7:15:00	Osprey Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull	Pandion haliaetus Larus marinas Phalacrocorax auritas Larus marinas	1 2 3 1	Soaring over water.  Foraging on North side of Causeway  Flying North to South over lines. All three having difficulty gaining height.  Circling south of causeway.
7:00:00 7:15:00	Osprey Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Herring Gull	Pandion haliaetus Larus marinas Phalacrocorax auritas	1 2 3	Soaring over water.  Foraging on North side of Causeway  Flying North to South over lines. All three having difficulty gaining height.  Circling south of causeway.  Circling south of causeway.
7:00:00 7:15:00	Osprey Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Herring Gull Whale on north side of causeway	Pandion haliaetus Larus marinas Phalacrocorax auritas Larus marinas Larus argentatus	1 2 3 1	Soaring over water.  Foraging on North side of Causeway  Flying North to South over lines. All three having difficulty gaining height.  Circling south of causeway.  Circling south of causeway.  Diving
16:30:00 17:00:00 17:15:00	Osprey Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Herring Gull	Pandion haliaetus Larus marinas Phalacrocorax auritas Larus marinas	1 2 3 1	Soaring over water.  Foraging on North side of Causeway  Flying North to South over lines. All three having difficulty gaining height.  Circling south of causeway.  Circling south of causeway.
17:00:00 17:15:00	Osprey Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Herring Gull Whale on north side of causeway	Pandion haliaetus Larus marinas Phalacrocorax auritas Larus marinas Larus argentatus	1 2 3 1	Soaring over water.  Foraging on North side of Causeway  Flying North to South over lines. All three having difficulty gaining height.  Circling south of causeway.  Circling south of causeway.  Diving  Foraging on North side of Causeway  Flew North to South, gained some altitude but not nough to go over wires so it went between them. Looked
7:00:00  7:15:00  7:30:00	Osprey Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Herring Gull Whale on north side of causeway Great Black-backed Gull Great Black-backed Gull	Pandion haliaetus Larus marinas Phalacrocorax auritas Larus marinas Larus argentatus  Larus marinas Larus marinas	1 2 3 1 1 1 1	Soaring over water.  Foraging on North side of Causeway  Flying North to South over lines. All three having difficulty gaining height.  Circling south of causeway.  Circling south of causeway.  Diving  Foraging on North side of Causeway  Flew North to South, gained some altitude but not nough to go over wires so it went between them. Looked nervous and awkward.
17:00:00 17:15:00 17:30:00	Osprey Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Herring Gull Whale on north side of causeway Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant	Pandion haliaetus Larus marinas Phalacrocorax auritas Larus marinas Larus argentatus Larus marinas Larus marinas Phalacrocorax auritas	1 2 3 1 1 1 1 1	Soaring over water.  Foraging on North side of Causeway Flying North to South over lines. All three having difficulty gaining height. Circling south of causeway. Circling south of causeway. Diving Foraging on North side of Causeway Flew North to South, gained some altitude but not nough to go over wires so it went between them. Looked nervous and awkward. Flew South to North high above wires.
17:00:00 17:15:00 17:30:00	Osprey Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Herring Gull Whale on north side of causeway Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull	Pandion haliaetus Larus marinas Phalacrocorax auritas Larus marinas Larus argentatus  Larus marinas  Larus marinas  Larus marinas  Larus marinas  Phalacrocorax auritas  Larus marinas	1 2 3 1 1 1 1 1	Soaring over water.  Foraging on North side of Causeway  Flying North to South over lines. All three having difficulty gaining height.  Circling south of causeway.  Circling south of causeway.  Diving  Foraging on North side of Causeway  Flew North to South, gained some altitude but not nought to go over wires so it went between them. Looked nervous and awkward.  Flew South to North high above wires.  Flew North to South over wires.
17:00:00 17:15:00 17:30:00	Osprey Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Herring Gull Whale on north side of causeway Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Herring Gull	Pandion haliaetus Larus marinas Phalacrocorax auritas Larus marinas Larus argentatus  Larus marinas  Larus marinas  Larus marinas  Larus marinas  Phalacrocorax auritas Larus marinas  Larus marinas  Larus marinas	1 2 3 1 1 1 1 1 1	Soaring over water.  Foraging on North side of Causeway  Flying North to South over lines. All three having difficulty gaining height.  Circling south of causeway.  Circling south of causeway.  Diving  Foraging on North side of Causeway  Flew North to South, gained some altitude but not nought og over wires so it went between them. Looked nervous and awkward.  Flew South to North high above wires.  Flew North to South over wires.  Soaring well high above wires
17:00:00 17:15:00 17:30:00 18:00:00 18:15:00	Osprey Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Herring Gull Whale on north side of causeway Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Herring Gull American Crow	Pandion haliaetus Larus marinas Phalacrocorax auritas Larus marinas Larus argentatus  Larus marinas Larus marinas  Larus marinas  Larus marinas  Phalacrocorax auritas Larus marinas  Larus marinas  Corvus brachyrhynchos	1 2 3 1 1 1 1 1	Soaring over water.  Foraging on North side of Causeway  Flying North to South over lines. All three having difficulty gaining height.  Circling south of causeway.  Circling south of causeway.  Diving  Foraging on North side of Causeway  Flew North to South, gained some altitude but not nought to go over wires so it went between them. Looked nervous and awkward.  Flew South to North high above wires.  Flew North to South over wires.  Soaring well high above wires  Picking at gravel on road shoulder.
17:00:00 17:15:00	Osprey Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Herring Gull Whale on north side of causeway Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Herring Gull	Pandion haliaetus Larus marinas Phalacrocorax auritas Larus marinas Larus argentatus  Larus marinas  Larus marinas  Larus marinas  Larus marinas  Phalacrocorax auritas Larus marinas  Larus marinas  Larus marinas	1 2 3 1 1 1 1 1 1	Soaring over water.  Foraging on North side of Causeway  Flying North to South over lines. All three having difficulty gaining height.  Circling south of causeway.  Circling south of causeway.  Diving  Foraging on North side of Causeway  Flew North to South, gained some altitude but not nought og over wires so it went between them. Looked nervous and awkward.  Flew South to North high above wires.  Flew North to South over wires.  Soaring well high above wires

Species	Number of Individuals Observed
Alder Flycatcher	1
American Crow	6
American Goldfinch	3
American Redstart	1
American Robin	4
Arctic Tern	1
Bald Eagle	2
Black-capped Chickadee	2
Blue Headed Vireo	1
Cedar Waxwing	16
Chestnut Sided Warbler	1
Chipping Sparrow	1
Common Grackle	1
Common Raven	3

Date June 5, 2014

Species	Number of Individuals Observed
Common Tern	3
Double-crested Cormorant	14
Eastern Bluebird	1
European Starling	25
Great Black-backed Gull	11
Herring Gull	6
Osprey	1
Purple Finch	2
Rock Dove	10
Ruby-throated Hummingbird	1
Song Sparrow	2
Tree Swallow	4
Yellow Warbler	3
TOTAL	126

Date June 6, 2014

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
Foggy, wind 1	0-15km/hr North in morning. Fog	cleared in afternoon, wind 25-3	0km/hr	
05:15:00	Alder Flycatcher	Empidonax alnorum	1	Singing
	Yellow Warbler	Setophaga petechia	1	Singing
	Song Sparrow	Melospiza melodia	1	Singing
05:30:00	European Starling	Sturnus vulgaris	25	Nesting in bridge
	Rock Dove	Columba livia	10	Nesting/roosting in bridge
6:00:00	American Crow	Corvus brachyrhynchos	3	Flew high above lines South to North
6:15:00	Great Black-backed Gull	Larus marinas	1	Following lobster boat
6:45:00	Cedar Waxwing	Bombycilla cedrorum	3	Flew across water towards Cape Breton.
7:00:00	Tern Sp.	Sterna sp	1	Flew between wires north to south. Not much difficulty.
	Double-crested Cormorant	Phalacrocorax auritas	1	Flew under wires North to South.
	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires
7:15:00	American Robin	Turdus migratorius	3	Foraging near causeway
7.10.00	Common Tern	Sterna hirundo	1	Fishing on North side of causeway
7:30:00	Herring Gull	Larus argentatus	2	North to South over wires
7.30.00	Double-crested Cormorant	Phalacrocorax auritas	1	North to South over wires
7:45:00	Herring Gull	Larus argentatus	2	South to North over wires. Had to gain altitude to cross
8:00:00	-			North to South under wires. Had to manoeuvre to avoid
5.55.55	Common Tern	Sterna hirundo	1	traffic.
	American Robin	Turdus migratorius	2	Flying West to East high above wires.
0.45.00	Double-crested Cormorant	Phalacrocorax auritas	1	North to South over wires.
8:15:00	Double-crested Cormorant	Phalacrocorax auritas	2	North to South, one went over wires, one went under wires.
	Herring Gull	Larus argentatus	2	South to North over wires. Had to gain gain altitude to cross.
	Torn Co	Storno on	1	South to North over wires. Looked like it was going to
	Tern Sp.	Sterna sp	·	under wires but got spooked by traffic. Had trouble gaining altitude.
	Great Black-backed Gull	Larus marinas	1	North to South high above wires.
	Willet	Catoptrophorus	1	Circling 100 meters South of wires. Flying same height as wires.
8:30:00	Canada Goose	Branta canadensis	8	Southwest to Northeast. Had to adjust flight to clear wires.
	Song Sparrow	Melospiza melodia	2	Nesting near causeway.
8:45:00	Great Black-backed Gull	Larus marinas	1	South to North under wires
0. 10.00	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires, through ship canal.
9:00:00	Herring Gull	Larus argentatus	1	South to North under wires
9:15:00	Common Tern	Sterna hirundo	1	North to South high above wires.
0.10.00	Herring Gull	Larus argentatus	1	North to South. Had to make circle to get enough heigh
	Dad broasted Margaras	Maraus agreetar	2	to clear wires.
	Red-breasted Merganser	Mergus serrator	2	Foraging South of Causeway.
9:30:00	Double-crested Cormorant	Phalacrocorax auritas	1	North to South above wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South above wires.
0.45.00	Herring Gull	Larus argentatus	2	South to North over wires. Had to gain altitude to cross
9:45:00	Magnolia Warbler  Double-crested Cormorant	Setophaga magnolia Phalacrocorax auritas	1 1	Singing  North to South high above wires.
ftormoon Com	<u>l</u>	Prialacrocorax auritas	1	INORTH to South high above wires.
fternoon Sur	•	116		Cincina in area
4:00:00	Red-eyed Vireo American Redstart	Vireo olivaceus	1	Singing in area
		Setophaga ruticilla		Singing in area
	Chestnut Sided Warbler	Setophaga pensylvanica	1	Singing in area
	American Robin	Turdus migratorius	1	Singing in area
4.45.00	Yellow Warbler	Setophaga petechia	1	Singing in area
4:15:00 5:00:00	Great Black-backed Gull Herring Gull	Larus marinas Larus argentatus	1 1	North to South above wires. South to North high above wires.
3.00.00	Herring Gull	Larus argentatus	25	Following lobster boat approx. 1km North of causeway
5:30:00	Double-crested Cormorant	Phalacrocorax auritas	7	Foraging South of Causeway.
16:00:00	Common Raven	Corvus corax	1	Soaring over quarry
	Great Black-backed Gull	Larus marinas	1	Soaring South of Causeway
	Rock Dove	Columba livia	1	South to North high above wires.
6:15:00		Larus argentatus	1	Soaring South of Causeway
	Herring Gull		<u> </u>	
	Herring Gull Herring Gull	Larus argentatus	3	South to North over wires.
6:30:00		•	1	
6:30:00	Herring Gull Great Black-backed Gull	Larus argentatus Larus marinas		South to North above wires.
6:30:00 7:00:00	Herring Gull Great Black-backed Gull Great Black-backed Gull	Larus argentatus Larus marinas Larus marinas		South to North above wires. North to South above wires.
6:15:00 6:30:00 7:00:00 7:30:00	Herring Gull Great Black-backed Gull	Larus argentatus Larus marinas	1	South to North above wires.
6:30:00 7:00:00	Herring Gull Great Black-backed Gull Great Black-backed Gull Spotted Sandpiper	Larus argentatus Larus marinas Larus marinas Actitis macularis	1 1 1	South to North above wires.  North to South above wires.  Seen on boulders along causeway
6:30:00 7:00:00 7:30:00	Herring Gull Great Black-backed Gull Great Black-backed Gull Spotted Sandpiper Blue Headed Vireo	Larus argentatus Larus marinas Larus marinas Actitis macularis Vireo solitarius	1 1 1	South to North above wires.  North to South above wires.  Seen on boulders along causeway  Singing in area

Species	Number of Individuals Observed
Alder Flycatcher	1
American Crow	3
American Redstart	1
American Robin	6
Blue Headed Vireo	1
Canada Goose	8
Cedar Waxwing	3
Chestnut Sided Warbler	1
Common Raven	2
Common Tern	3

Date June 6, 2014

Species	Number of Individuals Observed
Double-crested Cormorant	17
European Starling	25
Great Black-backed Gull	11
Herring Gull	40
Magnolia Warbler	1
Red-breasted Merganser	2
Red-eyed Vireo	1
Rock Dove	11
Song Sparrow	3
Spotted Sandpiper	1
Tern Sp.	2
Willet	1
Yellow Warbler	2
TOTAL	146

Date June 12, 2014

	lo v		IN	
Time of Day	Common Name	Scientific Name		Species Behaviour
	ind 5-10km/h N in morning. Increas	sing cloud cover in afternoon, wir		1
5:35:00	Pigeon	-	2	
5:39:00	Double-crested Cormorant	Phalacrocorax auritas	1	Flying low to N of causeway
5:41:00	Herring Gull	Larus argentatus	5	No avoidance behavior
5:48:00 5:49:00	Gull sp. Herring Gull	Larus sp. Larus argentatus	3	Flying high over lines to N Flying N over lines
5:50:00	Herring Gull	Larus argentatus	1	Flying to N above lines
5:58:00	Herring Gull	Larus argentatus	1	Flying N over lines
6:10:00	Great Black-backed Gull	Larus marinas	1	Flying to N, same height as lines, no avoidance
6:14:00	Herring Gull	Larus argentatus	1	Flying to N above lines, approached slowly
6:27:00	Double-crested Cormorant	Phalacrocorax auritas	1	Flying to N well under lines
				Flying at heigh of lines, elevated to rise above lines on
6:45:00	Common Tern	Sterna hirundo	1	approach
6:57:00	American Robin	Turdus migratorius	1	Flying low
		Ţ.		Approach from S, made 2 attempts to climb above lines,
7:02:00	Herring Gull	Larus argentatus	1	circled back then successfully flew over lines on 3rd
				attempt
				Approach from S, attempted to climb above lines, circled
7:06:00	Herring Gull	Larus argentatus	1	back then successfully flew over lines on 2nd attempt
				·
7:08:00	European Starling	Sturnus vulgaris	1	Avoided tower
				Approach from S, made 2 attempts to climb above lines,
7:11:00	Herring Gull	Larus argentatus	1	circled back then successfully flew over lines on 3rd
				attempt
7:31:00	European Starling	Sturnus vulgaris		
	Pigeon		numerous	Active at base of towers on N Side of causeway
	American Robin	Turdus migratorius		
7.00.00	American Crow	Corvus brachyrhynchos	4	
7:38:00	Tern sp.	Sterna sp.	1	Foraging (diving) on S side of causeway
7:52:00	Great Black-backed Gull	Larus marinas	1	Flying low to N of causeway, no attempt to cross.
7:47:00	Great Black-backed Gull	Large marines	4	Crossed road on W side of causway parallel to lines Flying low over water on N side of causeway
7:47:00	Great Black-backed Guil	Larus marinas	1	, , ,
7:48:00	American Crow	Corvus brachyrhynchos	1	Flying low on rock on N side of causeway, possibly scavenging
7:53:00	American Crow	Corvus brachyrhynchos	1	Flying low over road, landed on S side of causeway
7:55:00	Double-crested Cormorant	Phalacrocorax auritas	1	Flying N low under lines
			<u>'</u>	
7:57:00	American Crow	Corvus brachyrhynchos	1	Same crow as above, flying low over roadway, foraging
8:00:00	Common Tern	Sterna hirundo	1	Flying low over water on S. side of causway (hunting)
8:04:00				Approached lines from S, circled back twice before flying
0.0 1.00	Herring Gull	Larus argentatus	1	over lines to N
			_	
	Common Merganser	Mergus merganser	2	Feeding pair flying low in straight path under lines to S
8:10:00	Common Tern	Sterna hirundo	1	Flying low under lines
8:11:00	Herring Gull	Larus argentatus	1	Juvenile; flying S over lines, direct flight
8:13:00	Double-crested Cormorant	Phalacrocorax auritas	1	Flying under lines on direct flight N-S
	Great Black-backed Gull	Larus marinas	1	Flying low over water on N side of causeway
8:17:00	Herring Gull	Larus argentatus	2	Lands on water on N side of causeway
8:21:00	Great Black-backed Gull	Larus marinas	2	Juvenile; approach line from S, circle back once before
	Great Black-backed Gull	Larus marmas	2	ascending to pass over
	Double-crested Cormorant	Phalacrocorax auritas	1	Flying low S-N under lines
8:24:00	Common Tern	Sterna hirundo	1	Foraging again in same area
	Double-crested Cormorant	Phalacrocorax auritas	1	Flying N-S under lines
8:26:00	Herring Gull	Larus argentatus	4	Approach on direct flight from S, ascent and slow flight
	-	-		down to glide over lines
8:35:00	Common Tern	Sterna hirundo	1	Flying S-N under lines, direct flight
8:41:00	Herring Gull	Larus argentatus	1	Gliding/soaring low over rocks on N side of causeway
0.40.00	Double exected Correspond	Dhala waxa a waxa a wiita a	4	(foraging)
8:48:00	Double-crested Cormorant American Crow	Phalacrocorax auritas Corvus brachyrhynchos	1 1	Flying S-N direct flight well under lines Flying low over causeway, lands on roadside along?
8:50:00	Common Tern	Sterna hirundo	1	Direct flight S-N well under lines
		Sterna militarido		Flying very low over causeway from S-N to forage on N
8:52:00	Common Tern	Sterna hirundo	2	side
		1		Flying low over causeway, crows regularly perch on
8:59:00	American Crow	Corvus brachyrhynchos	1	bases of line towers
9:06:00	Double-crested Cormorant	Phalacrocorax auritas	1	On water N side of causeway, flew off to N
9:11:00	Double-crested Cormorant	Phalacrocorax auritas	1	Flew S-N direct flight well under line
9:13:00	American Crow	Corvus brachyrhynchos	1	Flying low over causeway
9:14:00	American Crow	Corvus brachyrhynchos	1	Perched on sign
9:19:00	Great Black-backed Gull		1	
	Oreat Diack-Dacked Gull	Larus marinas	1	Flying under line along N side of causeway heading W
9:23:00	Double-crested Cormorant	Phalacrocorax auritas	2	Not together, flying direct fligh S-N well under line
9:25:00	Great Black-backed Gull	Larus marinas	1	Flying under line along N side of causeway heading W
			•	
9:26:00	Common Tern	Sterna hirundo	1	Foraging in water to S of causeway
9:32:00	Double-crested Cormorant	Phalacrocorax auritas	2	Together, flying S-N at line height, slightly altered flight to
			_	avoid line
Wind 15 km/h,	sunny, clear T	T	1	I
9:34:00	American Crow	Corvus brachyrhynchos	1	Flying low over rock on N side of causeway, scavenging
		, ,		
9:36:00	Double-crested Cormorant Common Tern	Phalacrocorax auritas Sterna hirundo	<u>2</u> 1	Direct flight S-N well under lines
9:44:00	Double-crested Cormorant			Direct flight S-N very slow, slightly above lines Fly S-N glided to descend and fly under line
9:44:00	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritas Phalacrocorax auritas	2	Together, direct flight S-N well under line
9:48:00	Common Tern	Sterna hirundo	1	Foraging in water to S of causeway
		Phalacrocorax auritas	1	Fly N-S at line height, no avoidance
9:53:00	IDouble-crested Cormorant			1, at m. o noight, no avoidanto
9:53:00 9:57:00	Double-crested Cormorant American Crow		1	Flying very low over causeway
9:57:00	American Crow	Corvus brachyrhynchos		Flying very low over causeway
9:57:00 Afternoon Surv	American Crow ey: Sunny, partly cloudy, fog start	Corvus brachyrhynchos ing to roll in from N, wind 20 km/l		
9:57:00 <b>Afternoon Surv</b> 14:07:00	American Crow ey: Sunny, partly cloudy, fog start Double-crested Cormorant	Corvus brachyrhynchos ing to roll in from N, wind 20 km/l Phalacrocorax auritas	1 1	Flying low over water to N of causeway
9:57:00 Afternoon Surv	American Crow ey: Sunny, partly cloudy, fog start	Corvus brachyrhynchos ing to roll in from N, wind 20 km/l	n N	

Date June 12, 2014

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
14:22:00	Common Tern	Sterna hirundo	1	Flying direct S-N well under line
14:30:00	Great Black-backed Gull	Larus marinas	1	Soaring/gliding low over rocks on N side of causeway,
14.30.00	Great Black-backed Guil	Larus marmas	!	foraging, no attempt to cross
14:31:00	Double-crested Cormorant	Phalacrocorax auritas	1	Flying high at line level S-N
14:39:00	Great Black-backed Gull	Larus marinas	1	Still foraging
14:47:00	Great Black-backed Gull	Larus marinas	1	Juvenile; flying S-N appeared to easily ascend over top line of lines
14:53:00	Great Black-backed Gull	Larus marinas	1	To the fire ON a bell to
	Herring Gull	Larus argentatus	1	Together; flew S-N under line
14:57:00	Great Black-backed Gull	Larus marinas	1	Still foraging
14:59:00	Herring Gull	Larus argentatus	1	Direct flight S-N over line
15:25:00	Great Black-backed Gull	Larus marinas	3	Together; direct flight, well over line
15:31:00	Herring Gull	Larus argentatus	1	Direct flight S-N well above line
	Bald Eagle	Haliaeetus leucocephalus	1	Juvenile; soaring above water to S of causeway, high above lines
15:49:00	Double-crested Cormorant	Phalacrocorax auritas	1	On water N of causeway
16:03:00	Great Black-backed Gull	Larus marinas	3	Together; flying direct N-S at line height
Increasing clo	ud cover, wind 10 km/h N		<u> </u>	, , , , , , , , , , , , , , , , , , , ,
16:19:00	Bald Eagle	Haliaeetus leucocephalus	1	Juvenile; flying high above water to S of causeway
16:27:00	Herring Gull	Larus argentatus	1	Flying S-N well above line
16:37:00	Double-crested Cormorant	Phalacrocorax auritas	1	Foraging in water N of causeway
16:50:00	Herring Gull	Larus argentatus	1	Approached then maneuvred between lines
16:54:00	Bald Eagle	Haliaeetus leucocephalus	2	Pair; flying to the E of the causeway
17:05:00	Bald Eagle	Haliaeetus leucocephalus	1	
	Red-tailed Hawk	Buteo jamaicensis	1	Juvenile; soaring high to N of causeway
17:46:00	Great Black-backed Gull	Larus marinas	3	Together; ascend to rise over lines flying N-S
17:47:00	Double-crested Cormorant	Phalacrocorax auritas	1	Foraging in water N of causeway
17:52:00	Gull sp.	Larus sp.	1	Flying direct N-S above line
17:53:00	Herring Gull	Larus argentatus	1	Direct flight N-S over line
18:08:00	Double-crested Cormorant	Phalacrocorax auritas	1	Flying low over water on N side of causeway
18:14:00	Great Black-backed Gull	Larus marinas	2	Flying S-N ascend gradually to pass over top of line
18:19:00	Great Black-backed Gull	Larus marinas	1	Fly in from N to forage low around rocks on N side of causeway
18:23:00	Great Black-backed Gull	Larus marinas	1	Flying low over water on N side of causeway
18:42:00	Great Black-backed Gull	Larus marinas	1	Approached from N, made several small circles to get elevation then ascend over line
18:53:00	Herring Gull	Larus argentatus	1	Approach S-N, ascend over top of line
	wind 10 km/h N	Laras argentatas	<u>'</u>	proproduct of the assertic over top of file

Species	Number of Individuals Observed	
American Crow	9	
American Robin	1	
Bald Eagle	5	
Common Merganser	2	
Common Tern	12	
Double-crested Cormorant	25	
European Starling	1	
Great Black-backed Gull	28	
Gull sp.	4	
Herring Gull	30	
Pigeon	2	
Red-tailed Hawk	1	
Tern sp.	1	
TOTAL	121	

Date June 13, 2014

Time of Day	10	losts att. No.	This	ulo
	Common Name	Scientific Name		Is Species Behaviour
5:51:00	American Crow	cm/h S in morning. Clearing and su Corvus brachyrhynchos	1 1	Perched on base of tower on E side of causeway
5:57:00	Double-crested Cormorant	Phalacrocorax auritas	1	Fly low under lines N-S
6:01:00	American Crow	Corvus brachyrhynchos	1	Fly in from S, perches on tower
0.01.00		Convac Stating Try Trothec		Flying from S, perches on upper part of tower, actively
	Common Raven	Corvus corax	1	avoids lines in process
6:05:00	Common Raven	Corvus corax	1	Perches on botom part of same tower
6:06:00	Common Raven	Corvus corax	1 1	Raven from top of tower moves to adjacent tower
6:08:00	Common Raven	Corvus corax	3	Congregate on S side of causeway (possible carcass)
6:12:00	Common Raven	Corvus corax	1	Flies low along road, almost hit by car
6:14:00	Great Black-backed Gull	Larus marinas	1	Direct flight S-N, well over line
	Common Bourn		2	Continue to move across causeway, perch on towers,
6:16:00	Common Raven	Corvus corax	3	forage on ground
6:32:00	Herring Gull	Larus argentatus	1	Direct flight S-N approaches at height above line
6:34:00	Double-crested Cormorant	Phalacrocorax auritas	1	Lands on water N of causeway
6:36:00	Tern sp.	Sterna sp.	1	Flying over water to S of causeway, foraging/hunting
6:39:00	Great Black-backed Gull		1	Direct flight S-N over line, sufficient height in approach,
		Larus marinas		gentle ascent, glide to cross line
6:58:00	American Crow	Corvus brachyrhynchos	1	Flying low over roadway, lands on N side of road
7:00:00	Double-crested Cormorant	Phalacrocorax auritas	1	Flight N-S under line
7:06:00	Herring Gull	Larus argentatus	1	Flying low over water to N of causeway
7:11:00	Great Black-backed Gull	Larus marinas	1	Direct flight S-N over line
7:23:00	Blue Jay	Cyanocitta cristata	1	Perched on tower on E Side of causeway
7:32:00	Common Loon	Gavia immer	1	Direct flight S-N over line
7:37:00	Great Black-backed Gull	Larus marinas	1	Direct flight S-N, well over line
7:45:00	Double-crested Cormorant	Phalacrocorax auritas	1	Direct flight under line S-N, approx 10m above road
7:48:00	American Crow	Corvus brachyrhynchos	1	Perched low in tower on E side of causeway
7:52:00	Herring Gull	Larus marinas	1	Flying low over water on N side of causeway
0.04.00	Great Black-backed Gull	Larus marinas	1	Flying low over water on N side of causeway
8:04:00	American Crow	Convice break who was to	1	Flying low over roadway, lands on tracks on S side of road
	Dold Coale	Corvus brachyrhynchos	2	1.50.0
0.40.00	Bald Eagle	Haliaeetus leucocephalus	2	Pair; perched in dead tree on SE side of causeway
8:46:00	Osprey	Dandian haliaatus	1	Perched on top tower on causeway (S side of road), 2nd tower from west, flew off to the E
8:54:00	Croat Block backed Cull	Pandion haliaetus Larus marinas	1	,
8:57:00	Great Black-backed Gull	Phalacrocorax auritas	1 2	Juvenile; flight direct N-S above line
9:05:00	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritas	1	Together; flying N-S under line S-N, glide to descent below line
	fog lifted, wind 7 km/h SSE	Fridiaciocorax auritas	ı	5-N, glide to descent below line
9:22:00	Herring Gull	Larus argentatus	2	One flew N-S, other S-N, direct flights above line
9:23:00	Great Black-backed Gull	Larus marinas	1	Lands on rocks on N side of causeway
9:25:00	Great Black-backed Guil	Laius mannas	1	Flew out from top tower on E side of causeway, circled,
9.25.00	Blue Jay	Cyanocitta cristata	1	returned to perch the flew off to E
9:32:00	Double-crested Cormorant	Phalacrocorax auritas	2	Together; flying S-N low under line
9:33:00	American Crow	Corvus brachyrhynchos	1	On rocks on N side of causeway
9:34:00	Double-crested Cormorant	Phalacrocorax auritas	1	Lands on water N of causeway
9:36:00	Double-crested Cormorant	Phalacrocorax auritas	1	Fly S-N low under line, just above road
9:39:00		- managradarak damag		Approached from S, turned back then passed over line
0.00.00	Herring Gull	Larus argentatus	1	when gained more height on 2nd attempt
0:44:00	Double-crested Cormorant	Phalacrocorax auritas	1	Fly N-S low under line
19:44:00				IFIV N-3 low under line
9:44:00 9:45:00			1 1	
	Tern sp.	Sterna sp.	1	Foraging in water S of causeway
9:45:00	Tern sp.	Sterna sp.	1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under
9:45:00 9:47:00 9:57:00	Tern sp. Tern sp.	Sterna sp. Sterna sp. Sterna sp.	1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N
9:45:00 9:47:00 9:57:00	Tern sp. Tern sp. Tern sp.	Sterna sp. Sterna sp. Sterna sp.	1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway
9:45:00 9:47:00 9:57:00 <b>Afternoon Sur</b>	Tern sp. Tern sp. Tern sp.	Sterna sp. Sterna sp. Sterna sp.	1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway
9:45:00 9:47:00 9:57:00 <b>Afternoon Sur</b>	Tern sp. Tern sp. Tern sp. vey: Sunny, mostly clear, wind 2	Sterna sp. Sterna sp. Sterna sp.	1 1 1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway
9:45:00 9:47:00 9:57:00 <b>Afternoon Sur</b>	Tern sp. Tern sp. Tern sp. vey: Sunny, mostly clear, wind 2	Sterna sp. Sterna sp. Sterna sp. 20 km/h S	1 1 1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway
9:45:00 9:47:00 9:57:00 <b>Afternoon Sur</b> 14:14:00	Tern sp. Tern sp. Tern sp. vey: Sunny, mostly clear, wind 2	Sterna sp. Sterna sp. Sterna sp. 20 km/h S	1 1 1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line
9:45:00 9:47:00 9:57:00 <b>Afternoon Sur</b> 14:14:00	Tern sp. Tern sp. Tern sp.  vey: Sunny, mostly clear, wind 2  Tern sp.	Sterna sp. Sterna sp. Sterna sp. 20 km/h S  Sterna sp.  Larus argentatus	1 1 1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line  Approached causeway from N, slowly gained elevation,
9:45:00 9:47:00 9:57:00 <b>Afternoon Sur</b> 14:14:00 14:17:00	Tern sp. Tern sp. Tern sp.  vey: Sunny, mostly clear, wind 2  Tern sp.	Sterna sp. Sterna sp. Sterna sp. 20 km/h S  Sterna sp.	1 1 1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line  Approached causeway from N, slowly gained elevation, rapid wing beats to climb over line, then glide after
9:45:00 9:47:00 9:57:00 <b>Afternoon Sur</b> 14:14:00	Tern sp. Tern sp. Tern sp. vey: Sunny, mostly clear, wind 2 Tern sp. Herring Gull	Sterna sp. Sterna sp. Sterna sp. 20 km/h S  Sterna sp.  Larus argentatus	1 1 1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line  Approached causeway from N, slowly gained elevation, rapid wing beats to climb over line, then glide after crossing  Fly into water N side of causeway  Flying S on S side of causeway
9:45:00 9:47:00 9:57:00 <b>Afternoon Sur</b> 14:14:00 14:17:00	Tern sp. Tern sp. Tern sp.  vey: Sunny, mostly clear, wind 2  Tern sp.  Herring Gull  Double-crested Cormorant  Herring Gull	Sterna sp. Sterna sp. Sterna sp. 20 km/h S  Sterna sp.  Larus argentatus Phalacrocorax auritas	1 1 1 1 1 1 2	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line  Approached causeway from N, slowly gained elevation, rapid wing beats to climb over line, then glide after crossing  Fly into water N side of causeway
9:45:00 9:47:00 9:57:00 <b>Afternoon Sur</b> 14:14:00 14:17:00	Tern sp. Tern sp. Tern sp.  Tern sp.  Tern sp.  Tern sp.  Herring Gull  Double-crested Cormorant	Sterna sp. Sterna sp. Sterna sp. 20 km/h S  Sterna sp.  Larus argentatus Phalacrocorax auritas	1 1 1 1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line  Approached causeway from N, slowly gained elevation, rapid wing beats to climb over line, then glide after crossing  Fly into water N side of causeway  Flying S on S side of causeway  Foraging in water N of causeway, flew off to N low over water
9:45:00 9:47:00 9:57:00 <b>Afternoon Sur</b> 14:14:00 14:17:00 14:27:00 14:30:00	Tern sp. Tern sp. Tern sp.  Vey: Sunny, mostly clear, wind in the sp.  Tern sp.  Herring Gull  Double-crested Cormorant Herring Gull  Double-crested Cormorant	Sterna sp. Sterna sp. Sterna sp. 20 km/h S  Sterna sp.  Larus argentatus Phalacrocorax auritas Larus argentatus Phalacrocorax auritas	1 1 1 1 1 1 2	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line  Approached causeway from N, slowly gained elevation, rapid wing beats to climb over line, then glide after crossing  Fly into water N side of causeway  Flying S on S side of causeway  Foraging in water N of causeway, flew off to N low over water  Approached from S, turned to forage in water S of
9:45:00 9:47:00 9:57:00 <b>Afternoon Sur</b> 14:14:00 14:17:00 14:27:00 14:30:00 14:35:00	Tern sp. Tern sp. Tern sp.  Vey: Sunny, mostly clear, wind 2  Tern sp.  Herring Gull  Double-crested Cormorant  Herring Gull  Double-crested Cormorant  Great Black-backed Gull	Sterna sp. Sterna sp. Sterna sp. 20 km/h S  Sterna sp.  Larus argentatus Phalacrocorax auritas Larus argentatus	1 1 1 1 1 1 2 1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line  Approached causeway from N, slowly gained elevation, rapid wing beats to climb over line, then glide after crossing  Fly into water N side of causeway  Flying S on S side of causeway  Foraging in water N of causeway, flew off to N low over water  Approached from S, turned to forage in water S of causeway
9:45:00 9:47:00 9:57:00 <b>Afternoon Sur</b> 14:14:00 14:17:00 14:27:00 14:30:00	Tern sp. Tern sp. Tern sp.  Vey: Sunny, mostly clear, wind in the sp.  Tern sp.  Herring Gull  Double-crested Cormorant Herring Gull  Double-crested Cormorant	Sterna sp. Sterna sp. Sterna sp. 20 km/h S  Sterna sp.  Larus argentatus Phalacrocorax auritas Larus argentatus Phalacrocorax auritas	1 1 1 1 1 1 2	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line  Approached causeway from N, slowly gained elevation, rapid wing beats to climb over line, then glide after crossing  Fly into water N side of causeway  Flying S on S side of causeway  Foraging in water N of causeway, flew off to N low over water  Approached from S, turned to forage in water S of causeway  Flew over line at rapid pace
9:45:00 9:47:00 9:57:00 <b>Afternoon Sur</b> 14:14:00 14:17:00 14:27:00 14:30:00 14:35:00 14:41:00	Tern sp. Tern sp. Tern sp. vey: Sunny, mostly clear, wind in the sp.  Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant Great Black-backed Gull Pigeon	Sterna sp. Sterna sp. Sterna sp. 20 km/h S  Sterna sp.  Larus argentatus Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Larus marinas  Larus marinas	1 1 1 1 1 2 1 1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line  Approached causeway from N, slowly gained elevation, rapid wing beats to climb over line, then glide after crossing  Fly into water N side of causeway  Flying S on S side of causeway  Foraging in water N of causeway, flew off to N low over water  Approached from S, turned to forage in water S of causeway  Flew over line at rapid pace  Flying S-N, gradually gained height by rapid wing beats
9:45:00 9:47:00 9:57:00 <b>Afternoon Sur</b> 14:14:00 14:17:00 14:27:00 14:30:00 14:35:00	Tern sp. Tern sp. Tern sp.  Vey: Sunny, mostly clear, wind 2  Tern sp.  Herring Gull  Double-crested Cormorant  Herring Gull  Double-crested Cormorant  Great Black-backed Gull	Sterna sp. Sterna sp. Sterna sp. 20 km/h S  Sterna sp.  Larus argentatus Phalacrocorax auritas Larus argentatus Phalacrocorax auritas	1 1 1 1 1 1 2 1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line  Approached causeway from N, slowly gained elevation, rapid wing beats to climb over line, then glide after crossing  Fly into water N side of causeway  Flying S on S side of causeway  Foraging in water N of causeway, flew off to N low over water  Approached from S, turned to forage in water S of causeway  Flew over line at rapid pace  Flying S-N, gradually gained height by rapid wing beats to climb over line then glide
9:45:00  9:47:00  9:57:00  Afternoon Survalue   14:14:00  14:17:00  14:27:00  14:30:00  14:35:00  14:41:00  14:42:00	Tern sp. Tern sp. Tern sp.  Vey: Sunny, mostly clear, wind in the sp.  Herring Gull  Double-crested Cormorant Herring Gull  Double-crested Cormorant  Great Black-backed Gull  Pigeon  Double-crested Cormorant	Sterna sp. Sterna sp. Sterna sp. 20 km/h S  Sterna sp.  Larus argentatus Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Larus marinas  Phalacrocorax auritas	1 1 1 1 1 2 1 1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line  Approached causeway from N, slowly gained elevation, rapid wing beats to climb over line, then glide after crossing  Fly into water N side of causeway  Flying S on S side of causeway  Foraging in water N of causeway, flew off to N low over water  Approached from S, turned to forage in water S of causeway  Flew over line at rapid pace  Flying S-N, gradually gained height by rapid wing beats to climb over line then glide  Circling over water on S side of causeway before flying
9:45:00  9:47:00  9:57:00  Afternoon Survalue 14:14:00  14:17:00  14:27:00  14:30:00  14:35:00  14:41:00  14:42:00  14:46:00	Tern sp. Tern sp. Tern sp. vey: Sunny, mostly clear, wind in the sp.  Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant Great Black-backed Gull Pigeon Double-crested Cormorant Herring Gull	Sterna sp. Sterna sp. Sterna sp. 20 km/h S  Sterna sp.  Larus argentatus Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Larus marinas  Larus marinas  Larus marinas  Larus marinas  Larus argentatus	1 1 1 1 1 1 2 1 1 1 1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line  Approached causeway from N, slowly gained elevation, rapid wing beats to climb over line, then glide after crossing  Fly into water N side of causeway  Flying S on S side of causeway  Foraging in water N of causeway, flew off to N low over water  Approached from S, turned to forage in water S of causeway  Flew over line at rapid pace  Flying S-N, gradually gained height by rapid wing beats to climb over line then glide  Circling over water on S side of causeway before flying to the S
9:45:00  9:47:00  9:57:00  Afternoon Survalue 14:14:00  14:17:00  14:27:00  14:30:00  14:41:00  14:42:00  14:46:00  14:49:00	Tern sp. Tern sp. Tern sp. vey: Sunny, mostly clear, wind in the sp.  Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant Great Black-backed Gull Pigeon Double-crested Cormorant Herring Gull Pigeon Double-crested Cormorant Herring Gull Great Black-backed Gull	Sterna sp. Sterna sp. Sterna sp. 20 km/h S  Sterna sp.  Larus argentatus Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Larus marinas  Phalacrocorax auritas Larus marinas  Larus argentatus  Larus marinas  Larus argentatus	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line  Approached causeway from N, slowly gained elevation, rapid wing beats to climb over line, then glide after crossing  Fly into water N side of causeway  Flying S on S side of causeway  Foraging in water N of causeway, flew off to N low over water  Approached from S, turned to forage in water S of causeway  Flew over line at rapid pace  Flying S-N, gradually gained height by rapid wing beats to climb over line then glide  Circling over water on S side of causeway before flying to the S  Still circling low over water S of causeway
9:45:00  9:47:00  9:57:00  Afternoon Survalue 14:14:00  14:17:00  14:27:00  14:35:00  14:41:00  14:42:00  14:46:00  14:49:00  14:56:00	Tern sp. Tern sp. Tern sp. vey: Sunny, mostly clear, wind in the sp.  Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant Great Black-backed Gull Pigeon Double-crested Cormorant Herring Gull	Sterna sp. Sterna sp. Sterna sp. 20 km/h S  Sterna sp.  Larus argentatus Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Larus marinas  Larus marinas  Larus marinas  Larus marinas  Larus argentatus	1 1 1 1 1 1 2 1 1 1 1	Foraging in water S of causeway Flew under line from N, then turned and flew back under line S-N Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line Approached causeway from N, slowly gained elevation, rapid wing beats to climb over line, then glide after crossing Fly into water N side of causeway Flying S on S side of causeway Foraging in water N of causeway, flew off to N low over water  Approached from S, turned to forage in water S of causeway Flew over line at rapid pace Flying S-N, gradually gained height by rapid wing beats to climb over line then glide Circling over water on S side of causeway before flying to the S Still circling low over water S of causeway, lands
9:45:00  9:47:00  9:57:00  Afternoon Survalue 14:14:00  14:17:00  14:27:00  14:30:00  14:41:00  14:42:00  14:46:00  14:49:00	Tern sp. Tern sp. Tern sp. vey: Sunny, mostly clear, wind in the sp.  Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant Great Black-backed Gull Pigeon Double-crested Cormorant Herring Gull Pigeon Double-crested Cormorant Herring Gull Great Black-backed Gull	Sterna sp. Sterna sp. Sterna sp. Sterna sp. 20 km/h S  Sterna sp.  Larus argentatus Phalacrocorax auritas Larus argentatus Phalacrocorax auritas  Larus marinas  Phalacrocorax auritas  Larus marinas  Larus argentatus  Phalacrocorax auritas  Larus marinas  Phalacrocorax auritas	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Foraging in water S of causeway Flew under line from N, then turned and flew back under line S-N Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line Approached causeway from N, slowly gained elevation, rapid wing beats to climb over line, then glide after crossing Fly into water N side of causeway Flying S on S side of causeway Foraging in water N of causeway, flew off to N low over water  Approached from S, turned to forage in water S of causeway Flew over line at rapid pace Flying S-N, gradually gained height by rapid wing beats to climb over line then glide Circling over water on S side of causeway before flying to the S Still circling low over water S of causeway, lands Foraging S of causeway, circling then swooping down to
9:45:00  9:47:00  9:57:00  Afternoon Sur  14:14:00  14:17:00  14:27:00  14:35:00  14:41:00  14:42:00  14:49:00  14:59:00	Tern sp. Tern sp. Tern sp. vey: Sunny, mostly clear, wind in the sp.  Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant Great Black-backed Gull Pigeon Double-crested Cormorant Herring Gull Pigeon Double-crested Cormorant Herring Gull Double-crested Cormorant	Sterna sp. Sterna sp. Sterna sp. 20 km/h S  Sterna sp.  Larus argentatus Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Larus marinas  Phalacrocorax auritas Larus marinas  Larus argentatus  Larus marinas  Larus argentatus	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line  Approached causeway from N, slowly gained elevation, rapid wing beats to climb over line, then glide after crossing  Fly into water N side of causeway  Flying S on S side of causeway  Foraging in water N of causeway, flew off to N low over water  Approached from S, turned to forage in water S of causeway  Flew over line at rapid pace  Flying S-N, gradually gained height by rapid wing beats to climb over line then glide  Circling over water on S side of causeway before flying to the S  Still circling low over water S of causeway  Flying low over watwer N of causeway, lands  Foraging S of causeway, circling then swooping down to water surface
9:45:00  9:47:00  9:57:00  Afternoon Survalue 14:14:00  14:17:00  14:27:00  14:35:00  14:41:00  14:42:00  14:46:00  14:49:00  14:56:00	Tern sp. Tern sp. Tern sp. vey: Sunny, mostly clear, wind in the sp.  Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant Great Black-backed Gull Pigeon Double-crested Cormorant Herring Gull Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull	Sterna sp. Sterna sp. Sterna sp. Sterna sp.  20 km/h S  Sterna sp.  Larus argentatus Phalacrocorax auritas Larus argentatus Phalacrocorax auritas  Larus marinas  Phalacrocorax auritas  Larus marinas  Larus argentatus  Larus argentatus  Larus argentatus  Larus argentatus  Larus marinas  Larus marinas  Phalacrocorax auritas  Larus marinas  Phalacrocorax auritas	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Foraging in water S of causeway Flew under line from N, then turned and flew back under line S-N Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line Approached causeway from N, slowly gained elevation, rapid wing beats to climb over line, then glide after crossing Fly into water N side of causeway Flying S on S side of causeway Foraging in water N of causeway, flew off to N low over water  Approached from S, turned to forage in water S of causeway Flew over line at rapid pace Flying S-N, gradually gained height by rapid wing beats to climb over line then glide  Circling over water on S side of causeway before flying to the S  Still circling low over water S of causeway, lands Foraging S of causeway, circling then swooping down to water surface  Approach causeway from S turned back once to gain
9:45:00  9:47:00  9:57:00  Afternoon Sur  14:14:00  14:17:00  14:27:00  14:35:00  14:41:00  14:42:00  14:49:00  14:59:00	Tern sp. Tern sp. Tern sp. vey: Sunny, mostly clear, wind in the sp.  Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant Great Black-backed Gull Pigeon Double-crested Cormorant Herring Gull Pigeon Double-crested Cormorant Herring Gull Double-crested Cormorant	Sterna sp. Sterna sp. Sterna sp. Sterna sp. 20 km/h S  Sterna sp.  Larus argentatus Phalacrocorax auritas Larus argentatus Phalacrocorax auritas  Larus marinas  Phalacrocorax auritas  Larus marinas  Larus argentatus  Phalacrocorax auritas  Larus marinas  Phalacrocorax auritas	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line  Approached causeway from N, slowly gained elevation, rapid wing beats to climb over line, then glide after crossing  Fly into water N side of causeway  Flying S on S side of causeway  Foraging in water N of causeway, flew off to N low over water  Approached from S, turned to forage in water S of causeway  Flew over line at rapid pace  Flying S-N, gradually gained height by rapid wing beats to climb over line then glide  Circling over water on S side of causeway before flying to the S  Still circling low over water S of causeway  Flying low over watwer N of causeway, lands  Foraging S of causeway, circling then swooping down to water surface  Approach causeway from S turned back once to gain more height the climbed over line
9:45:00  9:47:00  9:57:00  Afternoon Sur  14:14:00  14:17:00  14:27:00  14:35:00  14:41:00  14:42:00  14:49:00  14:59:00	Tern sp. Tern sp. Tern sp. vey: Sunny, mostly clear, wind in the sp.  Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant Great Black-backed Gull Pigeon Double-crested Cormorant Herring Gull Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull	Sterna sp. Sterna sp. Sterna sp. 20 km/h S  Sterna sp.  Larus argentatus Phalacrocorax auritas Larus argentatus Phalacrocorax auritas  Larus marinas  Phalacrocorax auritas  Larus marinas  Larus marinas  Larus marinas  Phalacrocorax auritas  Larus marinas  Phalacrocorax auritas  Larus marinas  Phalacrocorax auritas  Phalacrocorax auritas	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line  Approached causeway from N, slowly gained elevation, rapid wing beats to climb over line, then glide after crossing  Fly into water N side of causeway  Flying S on S side of causeway  Foraging in water N of causeway, flew off to N low over water  Approached from S, turned to forage in water S of causeway  Flew over line at rapid pace  Flying S-N, gradually gained height by rapid wing beats to climb over line then glide  Circling over water on S side of causeway before flying to the S  Still circling low over water S of causeway, lands  Foraging S of causeway, circling then swooping down to water surface  Approach causeway from S turned back once to gain more height the climbed over line  Flying N-S, slowed pace and climbed upon approach to
9:45:00  9:47:00  9:57:00  Afternoon Survalue 14:14:00  14:17:00  14:27:00  14:30:00  14:43:00  14:42:00  14:46:00  14:56:00  14:59:00  15:06:00	Tern sp. Tern sp. Tern sp. vey: Sunny, mostly clear, wind in the sp.  Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant Great Black-backed Gull Pigeon Double-crested Cormorant Herring Gull Couble-crested Cormorant Coreat Black-backed Gull Double-crested Cormorant Great Black-backed Gull	Sterna sp. Sterna sp. Sterna sp. 20 km/h S  Sterna sp.  Larus argentatus Phalacrocorax auritas Larus argentatus Phalacrocorax auritas  Larus marinas  Phalacrocorax auritas  Larus marinas  Larus marinas  Phalacrocorax auritas  Larus marinas	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Foraging in water S of causeway  Flew under line from N, then turned and flew back under line S-N  Flew low under line N-S then low over roadway  Flying over water S of causeway, flew towards causeway then turned back to gain elevation before flying over line  Approached causeway from N, slowly gained elevation, rapid wing beats to climb over line, then glide after crossing  Fly into water N side of causeway  Flying S on S side of causeway  Foraging in water N of causeway, flew off to N low over water  Approached from S, turned to forage in water S of causeway  Flew over line at rapid pace  Flying S-N, gradually gained height by rapid wing beats to climb over line then glide  Circling over water on S side of causeway before flying to the S  Still circling low over water S of causeway, lands  Foraging S of causeway, circling then swooping down to water surface  Approach causeway from S turned back once to gain more height the climbed over line  Flying N-S, slowed pace and climbed upon approach to line, paused over top of line
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Date June 13, 2014

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
16:00:00	American Crow	Corvus brachyrhynchos	2	Together; flying over water to S of causeway
	One of Die als he also d Osdi		4	Landed on water N of causeway, then flew low under
	Great Black-backed Gull	Larus marinas	1	line (5m above road) to S side of causeway
16:04:00	Great Black-backed Gull	Larus marinas	1	Flew back across causeway to N between line. Slow
				avoidance manuevres.
16:06:00	Great Black-backed Gull	Larus marinas	2	Gliding above rocks on S side of causeway
	American Crow	Corvus brachyrhynchos	2	Fighting in same area S side of causeway (carcass?)
16:10:00	Great Black-backed Gull	Larus marinas	1	Gliding cont'd
16:12:00	American Crow	Corvus brachyrhynchos	2	On rocks along roadside on N side of causeway
16:21:00	American Crow	Corvus brachyrhynchos	1	Flying S-N low over roadway
16:23:00	Great Black-backed Gull	Larus marinas	1	Foragaing cont'd
16:27:00	Herring Gull	Larus argentatus	1	Fly S-N climbing when close to ascend over line without losing pace
	Double-crested Cormorant	Phalacrocorax auritas	1	Flying low over water to N of causeway
16:33:00	Bald Eagle	Haliaeetus leucocephalus	2	Pair; soaring high above water to S of causeway
16:48:00	Herring Gull	Larus argentatus	1	Flying E above water to S of causeway
10.40.00	Herring Guii	Larus argentatus	- I	Flying N-S, turned back 4 times until able to ascend over
16:50:00	Herring Gull	Larus argentatus	1	line, rapid wing beats, then glide to descend, CLOSE
10.50.00	Tlerring Guii	Larus argentatus	'	contact
17:02:00	Herring Gull	Larus argentatus	1	Flying low unde line N-S
Sunny, Wind	20 km/h FSF	Larus argentatus		Frying low dride line N-3
17:08:00	Great Black-backed Gull	Larus marinas	1 1	Circling/gliding over rocks on S side of causeway
17:11:00	Herring Gull	Larus argentatus	3	Direct flight S-N over top of line
17:15:00	Osprey	Pandion haliaetus	1	Perched on top of tower towards E side of causeway
17:19:00	Great Black-backed Gull	Larus marinas	1	Fly well above line S-N
17:28:00	Osprey	Pandion haliaetus	1	Still on tower, appears to be feeding
17:44:00	Tern sp.	Sterna sp.	1	Flying N over water N of causeway
17.44.00	Osprey	Pandion haliaetus	1	No longer perched on tower
17:51:00	Osprey	T andion hallactus	ı	Together; flying over water to N of causeway, all circled
17.51.00	Herring Gull		4	back then 2 flew N-S above line, other 2 turned and flew
	Tierning Guii	Larus argentatus	7	back N
Wind 5-10 km	/h ESE gusts 15 km/h	Larus argeniaius		DACK IV
17:55:00	The state of the s			Other 2 flew N-S, few strong wing beats to ascend over
17.55.00	Herring Gull	Larus argentatus	2	line, slight loss of pace then glide to descend
17:57:00		Larus argentatus		Flying over rocks and water on S side of causeway, soar
17.57.00	Great Black-backed Gull		2	to E side. One circled twice to gain elevation then used
	Great Black-backed Guil	Larus marinas	2	rapid wing beats to climb over line S-N
18:09:00	Gullish		1	Juvenile; direct flight S-N above line
10.03.00	Gull sp.	Larus sp.	<u> </u>	Together; direct flight S-N above line. One desceded to
18:10:00	Great Black-backed Gull	Larus marinas	2	glide after crossing
18:11:00	Great Black-backed Gull	Larus marinas	1	Flying along rocks/water on S side of causeway
18:18:00	Great Black-backed Gull	Larus marinas	1	Fly N-S between lines
18:26:00	Great Black-backed Gull	Larus marinas	1	Flying parallel to N side of causeway

Species	Number of Individuals Observed
American Crow	13
Bald Eagle	4
Blue Jay	2
Common Loon	1
Common Raven	10
Double-crested Cormorant	20
Great Black-backed Gull	31
Gull sp.	1
Herring Gull	31
Osprey	4
Pigeon	1
Tern sp.	6
TOTAL	124

Date June 18, 2014

05:15:00 05:30:00 05:30:00 05:45:00 06:00:00 06:15:00 07:00:00 07:15:00 07:30:00	American Redstart American Robin Red-eyed Vireo Song Sparrow American Goldfinch Blackburnian Warbler Herring Gull Common Raven American Crow Common Tern Double-crested Cormorant Ruby-throated Hummingbird Yellow Warbler Dark-eyed Junco Cedar Waxwing	Setophaga ruticilla Turdus migratorius Vireo olivaceus Melospiza melodia Spinus tristis Dendroica fusca Larus argentatus Corvus corax Corvus brachyrhynchos Sterna hirundo Phalacrocorax auritas Archilochus colubris	50km/hr. Getting w  1  1  1  1  1  1  1  1  5  1	Heard singing Heard singing Heard singing Heard singing Heard singing Heard singing Foraging south of causeway Flying south of causeway
05:30:00 05:45:00 06:00:00 06:15:00 07:00:00 07:15:00 07:30:00	American Robin Red-eyed Vireo Song Sparrow American Goldfinch Blackburnian Warbler Herring Gull Common Raven American Crow Common Tern Double-crested Cormorant Ruby-throated Hummingbird Yellow Warbler Dark-eyed Junco Cedar Waxwing	Turdus migratorius Vireo olivaceus Melospiza melodia Spinus tristis Dendroica fusca Larus argentatus Corvus corax Corvus brachyrhynchos Sterna hirundo Phalacrocorax auritas Archilochus colubris	1 1 1 1	Heard singing Heard singing Heard singing Heard singing Heard singing Foraging south of causeway Flying south of causeway
05:45:00 06:00:00 06:15:00 06:45:00 07:00:00 07:15:00	Red-eyed Vireo Song Sparrow American Goldfinch Blackburnian Warbler Herring Gull Common Raven American Crow Common Tern Double-crested Cormorant Ruby-throated Hummingbird Yellow Warbler Dark-eyed Junco Cedar Waxwing	Vireo olivaceus Melospiza melodia Spinus tristis Dendroica fusca Larus argentatus Corvus corax Corvus brachyrhynchos Sterna hirundo Phalacrocorax auritas Archilochus colubris	1 1 1 1	Heard singing Heard singing Heard singing Heard singing Foraging south of causeway Flying south of causeway
05:45:00 06:00:00 06:15:00 06:45:00 07:00:00 07:15:00	Song Sparrow American Goldfinch Blackburnian Warbler Herring Gull Common Raven American Crow Common Tern Double-crested Cormorant Ruby-throated Hummingbird Yellow Warbler Dark-eyed Junco Cedar Waxwing	Melospiza melodia Spinus tristis Dendroica fusca Larus argentatus Corvus corax Corvus brachyrhynchos Sterna hirundo Phalacrocorax auritas Archilochus colubris	1 1 1 1	Heard singing Heard singing Heard singing Foraging south of causeway Flying south of causeway
5:45:00 6:00:00 6:15:00 6:45:00 7:00:00 7:15:00 7:30:00	American Goldfinch Blackburnian Warbler Herring Gull Common Raven American Crow Common Tern Double-crested Cormorant Ruby-throated Hummingbird Yellow Warbler Dark-eyed Junco Cedar Waxwing	Spinus tristis Dendroica fusca Larus argentatus Corvus corax Corvus brachyrhynchos Sterna hirundo Phalacrocorax auritas Archilochus colubris	1 1 1 1	Heard singing Heard singing Foraging south of causeway Flying south of causeway
5:45:00 6:00:00 6:15:00 6:45:00 7:00:00 7:15:00 7:30:00	Blackburnian Warbler Herring Gull Common Raven American Crow Common Tern Double-crested Cormorant Ruby-throated Hummingbird Yellow Warbler Dark-eyed Junco Cedar Waxwing	Dendroica fusca Larus argentatus Corvus corax Corvus brachyrhynchos Sterna hirundo Phalacrocorax auritas Archilochus colubris	1 1	Heard singing Foraging south of causeway Flying south of causeway
5:45:00 6:00:00 6:15:00 6:45:00 7:00:00 7:15:00 7:30:00	Herring Gull Common Raven American Crow Common Tern Double-crested Cormorant Ruby-throated Hummingbird Yellow Warbler Dark-eyed Junco Cedar Waxwing	Larus argentatus Corvus corax Corvus brachyrhynchos Sterna hirundo Phalacrocorax auritas Archilochus colubris	1 1	Foraging south of causeway Flying south of causeway
5:45:00 6:00:00 6:15:00 6:45:00 7:00:00 7:15:00 7:30:00	Common Raven American Crow  Common Tern  Double-crested Cormorant Ruby-throated Hummingbird Yellow Warbler Dark-eyed Junco Cedar Waxwing	Corvus corax Corvus brachyrhynchos Sterna hirundo Phalacrocorax auritas Archilochus colubris	1	Flying south of causeway
75:45:00 16:00:00 16:15:00 16:45:00 17:00:00 17:15:00 17:30:00	American Crow  Common Tern  Double-crested Cormorant Ruby-throated Hummingbird Yellow Warbler Dark-eyed Junco Cedar Waxwing	Corvus brachyrhynchos Sterna hirundo Phalacrocorax auritas Archilochus colubris		
6:00:00 6:15:00 6:45:00 7:00:00 7:15:00	Common Tern  Double-crested Cormorant Ruby-throated Hummingbird Yellow Warbler Dark-eyed Junco Cedar Waxwing	Sterna hirundo  Phalacrocorax auritas  Archilochus colubris	5 1	I citaring on courseway
6:00:00 6:15:00 6:45:00 7:00:00 7:15:00	Double-crested Cormorant Ruby-throated Hummingbird Yellow Warbler Dark-eyed Junco Cedar Waxwing	Phalacrocorax auritas Archilochus colubris	'	Loitering on causeway
6:15:00 6:45:00 7:00:00 7:15:00 7:30:00	Ruby-throated Hummingbird Yellow Warbler Dark-eyed Junco Cedar Waxwing	Archilochus colubris		Flew south to north between wires. Had some difficulty
7:00:00 7:15:00 7:30:00	Yellow Warbler Dark-eyed Junco Cedar Waxwing		1	Foraging south of causeway
7:00:00 7:15:00 7:30:00	Dark-eyed Junco Cedar Waxwing	Satanhaga natashia	1	Flying east to Cape Breton
7:00:00 7:15:00 7:30:00	Cedar Waxwing	Setophaga petechia	1	Heard singing
7:00:00 7:15:00 7:30:00		Junco hyemalis	1	Heard singing
7:15:00 7:30:00		Bombycilla cedrorum	4	Seen in area
7:15:00 7:30:00	Common Tern	Sterna hirundo	1	Flying south to north. Was flying toward wires, turned back, gained altitude and went over wires.
7:30:00	Common Loon	Gavia immer	1	Flying north to south. Had to gain altitude to go over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south over wires
7 45 25	Common Tern	Sterna hirundo	1	Carrying food south to north over wires. Had to gain altitude.
7:45:00	Yellow-bellied Sapsucker	Sphyrapicus varius	1	Travelling east to Cape Breton
	Common Tern	Sterna hirundo	1	Carrying food south to north over wires
	Osprey	Pandion haliaetus	1	Flying south to north over wires
	Common Tern	Sterna hirundo	2	Foraging north of causeway
8:00:00	Common Tern	Sterna hirundo	1	North to south over wires
	Tree Swallow	Tachycineta bicolor	1	Foraging north of causeway
	Belted Kingfisher	Megaceryle alcyon	1	Foraging south of causeway
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
	Great Black-backed Gull	Larus marinas	1	South to north over wires
	Common Torn	Starna hirumda	1	Flying north to south. Had to gain altitude to go over
8:15:00	Common Tern  Double-crested Cormorant	Sterna hirundo  Phalacrocorax auritas	1	wires.  Flying north to south over wires
6.15.00	Common Tern	Sterna hirundo	1	Carrying food north to south over wires. Had to gain
	Common Tern	Sterna hirundo	2	altitude Fishing south of causeway. Two adults, one feeding the
8:30:00	Great Black-backed Gull	Larus marinas	1	other  Flying south to north. Had to gain altitude to go over
8:45:00	Common Tern	Sterna hirundo	4	North to south over wires. At least one carrying food.
	Herring Gull	Larus argentatus	1	North to south over wires
	Double-crested Cormorant	Phalacrocorax auritas	1	Fishing north of causeway
9:00:00	Double-crested Cormorant	Phalacrocorax auritas	1	Flying over wires north to south
9:15:00	Herring Gull	Larus argentatus	1	Over wires south to north
	Great Black-backed Gull	Larus marinas	1	North to south over wires
9:45:00 Afternoon Surve	Common Raven	Corvus corax	1	Soaring over quarry
4:00:00	*	Sturnua vulgaria	12	Loitaring on bridge
4.00.00	European Starling Rock Dove	Sturnus vulgaris Columba livia		Loitering on bridge
			6	Loitering on bridge
	Yellow Warbler Common Tern	Setophaga petechia Sterna hirundo	5	Heard singing  Flying north to south over wires. All had to gain altitude
4:15:00	American Robin	Turdus migratorius	1	Heard singing
4:45:00	Double-crested Cormorant	Phalacrocorax auritas	1	Over wires north to south
5:00:00	Common Tern	Sterna hirundo	1	South to north over wires
0.00.00	Common Tern	Sterna hirundo	1	South to north over wires
	Common Tern	Sterna hirundo	1	North to south under wires
	Herring Gull	Larus argentatus	1	North to south over wires
	American Crow	Corvus brachyrhynchos	4	Loitering on wharf
5:15:00	Common Tern	Sterna hirundo	1	South to north over wires
0.10.00	Common Tern	Sterna hirundo	2	One over wires and one between wires south to north
5:30:00	Common Tern	Sterna hirundo	4	Flying north to south. One went between wires, three
				gained altitude and went over.
F: 4F 00	Great Black-backed Gull	Larus marinas	2	North to south under wires through ship canal
5:45:00	Common Tern	Sterna hirundo	2	North to south over wires. Had to gain altitude.
6:00:00	Double-crested Cormorant Common Tern	Phalacrocorax auritas Sterna hirundo	3	North to south under wires  South to north over wires. Had to struggle and gain
	Common Tern	Sterna nirundo Sterna hirundo	1	altitude.  South to north over wires. Had to struggle and gain
6:15:00	Great Black-backed Gull	Larus marinas	1	altitude.  South to north over wires
0.10.00	Common Tern	Sterna hirundo	1	North to south over wires. Had to gain altitude.
	Herring Gull	Larus argentatus	1	Hovering over causeway. Wind blowing it back close to
	Double-crested Cormorant	Phalacrocorax auritas	1	wires.  North to south under wires
6:30:00	Common Tern	Sterna hirundo	1	Carrying food south to north under wires. Struggling
0:45.00				against wind.
6:45:00	Double-crested Cormorant	Phalacrocorax auritas	6	North to south under wires
	Great Black-backed Gull	Larus marinas	1	Hovering over causeway
	Common Tern	Sterna hirundo	2	North to south under wires
	Great Black-backed Gull	Larus marinas	11	North to south over wires
	IO	100		INI. d. C d
	Common Tern	Sterna hirundo	1	North to south under wires
7:00:00	Common Tern Common Tern Common Tern	Sterna hirundo Sterna hirundo Sterna hirundo	1 1 2	North to south under wires  North to south over wires  North to south over wires. Struggling to gain altitude.

Date June 18, 2014

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
17:15:00	Common Tern	Sterna hirundo	1	North to south under wires
17:45:00	Herring Gull	Larus argentatus	1	South to north over wires
Wind increasi	ng		•	
18:00:00				Birds becoming scarce
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
18:15:00	Common Tern	Sterna hirundo	1	North to south under wires
	Common Tern	Sterna hirundo	1	North to south under wires
18:45:00	Common Tern	Sterna hirundo	1	North to south over wires. Struggling with wind.

Species	Number of Individuals Observed
American Crow	9
American Goldfinch	1
American Redstart	1
American Robin	2
Belted Kingfisher	1
Blackburnian Warbler	1
Cedar Waxwing	4
Common Loon	1
Common Raven	2
Common Tern	47
Dark-eyed Junco	1
Double-crested Cormorant	18
European Starling	12
Great Black-backed Gull	8
Herring Gull	6
Osprey	1
Red-eyed Vireo	1
Rock Dove	6
Ruby-throated Hummingbird	1
Song Sparrow	1
Tree Swallow	1
Yellow Warbler	2
Yellow-bellied Sapsucker	1
TOTAL	128

Date June 19, 2014

Liabt vain win	Common Name	Scientific Name	No of Individuals	Species Behaviour
	d 50 km/hr+			
05:15:00	Yellow Warbler	Setophaga petechia	1	Heard singing
	Alder Flycatcher	Setophaga petechia	1	Heard singing
	American Robin	Turdus migratorius	1	Heard singing
05:30:00	Great Black-backed Gull	Larus marinas	1	Hovering over causeway searching for food
	Common Tern	Sterna hirundo	2	Carrying food South to North over wires. Having trouble
	Common rem	Sterria fili urido	2	getting over wires in high wind.
05:45:00	Common Tern	Sterna hirundo	1	South to North under wires
	Common Loon	Gavia immer	1	North to South over wires
	Herring Gull	Larus argentatus	1	North to South under wires
	Common Loon	Gavia immer	1	North to South over wires
	Common Loon	Gavia immer	3	Flying South to North. One looked like it went between the wires, the other two appeared hesitant and turned around.
06:00:00	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires
30.00.00	2 dabie di data del merani	aracreteran aantae		Carrying food South to North over wires. Struggling to gair
	Common Tern	Sterna hirundo	1	altitude and move forward in high wind. Appeared very apprehensive crossing wires.
06:15:00			_	Carrying food, flying east over land. Couldn't see final
	Common Tern	Sterna hirundo	3	approach to wires.
	Herring Gull	Larus argentatus	1	North to South over wires
	Tierring Can	Laras argentatas	'	North to South over wires. One had to circle to gain
	Double-crested Cormorant	Phalacrocorax auritas	9	
20.00.00				enough height to cross wires.
06:30:00	Double-crested Cormorant	Phalacrocorax auritas	1	North to South over wires. Had to circle to gain enough
				height to cross wires.
				Carrying food South to North. Was heading toward ship
	Common Tern	Sterna hirundo	1	canal, decided to go East over land. Couldn't see final
				approach to wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South over wires
06:45:00	Common Tern	Sterna hirundo	1	South to North. Went over land east of causeway.
			_	South to North. Went over land east of causeway. One
	Common Tern	Sterna hirundo	5	was carrying food.
07:00:00	Common Tern	Ctowns him unde	4	Carrying food South to North. Was heading toward ship
	Common Tern	Sterna hirundo	1	canal, decided to go East over land.
	Common Tern	Sterna hirundo	1	Carrying food South to North under wires through ship
	Common rem	Sterria riirurido	'	canal.
07:15:00	Common Tern	Sterna hirundo	2	South to North under wires
	Harring Cull	Laws average to the	0	Hovering over causeway searching for food. Flying close to
	Herring Gull	Larus argentatus	2	wires
	Double-crested Cormorant	Phalacrocorax auritas	2	South to North under wires
			_	Carrying food South to North under wires through ship
	Common Tern	Sterna hirundo	1	canal.
	Double-crested Cormorant	Phalacrocorax auritas	3	South to North under wires
07:30:00	Common Tern	Sterna hirundo	1	South to North under wires.
07.30.00	Common rem	Sterria riiruriuo	- '	South to North over wires.
	Common Tern	Sterna hirundo	1	North to South over wires. Terns not commonly seen flying in this direction today. Possibly taking another route South
07:45:00	o T	0, 1: 1	_	Carrying food, flying east over land. Couldn't see final
	Common Tern	Sterna hirundo	1	approach to wires.
	_			Carrying food South to North under wires through ship
	Common Tern	Sterna hirundo	1	canal.
	Common Tern	Sterna hirundo	1	South to North, had to gain height to get over wires.
	Common Tern	Sterna hirundo	1	Carrying food South to North over wires.
	Common Tern	Sterna hirundo	1	North to South over wires
08:00:00	Common rem	Sterria riirurido	1	Carrying food South to North under wires through ship
08:00:00	Common Tern	Sterna hirundo	1	
				canal.
	Common Tern	Sterna hirundo	1	Carrying food South to North over wires.
	Common Tern	Sterna hirundo	1	Carrying food North, flying over land East of Causeway.
	Common Tom	Otoma rimanao	·	Couldn't see final approach to wires.
	Common Tern	Sterna hirundo	2	South to North. Went over land east of causeway. One
		Sterria riirurido		. , ,
	Common Tom			was carrying food.
08:15:00		Storno hirundo		Carrying food North, flying over land East of Causeway.
08:15:00	Common Tern	Sterna hirundo	1	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires.
08:15:00	Common Tern		1	Carrying food North, flying over land East of Causeway.
08:15:00		Sterna hirundo Sterna hirundo		Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires.
08:15:00	Common Tern Common Tern		1	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal.
08:15:00	Common Tern Common Tern Double-crested Cormorant	Sterna hirundo  Phalacrocorax auritas	1 1 1	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires
08:15:00	Common Tern Common Tern	Sterna hirundo	1 1	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway.
	Common Tern  Common Tern  Double-crested Cormorant  Common Tern	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo	1 1 1 1	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires.
08:15:00 08:30:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Common Tern	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo	1 1 1 1 1	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway
08:30:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Common Tern  Herring Gull	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo  Larus argentatus	1 1 1 1 1 2	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires.
08:30:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Common Tern	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo	1 1 1 1 1	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires. North to South over wires
	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Common Tern  Herring Gull	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo  Larus argentatus	1 1 1 1 1 2	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires. North to South over wires Carrying food North to South over wires. Had to turn back
08:30:00 08:45:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Common Tern  Herring Gull  Herring Gull	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo  Larus argentatus  Larus argentatus	1 1 1 1 1 1 2 1	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires. North to South over wires Carrying food North to South over wires. Had to turn back and make a second approach to gain altitude.
08:30:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Common Tern  Herring Gull  Herring Gull	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo  Larus argentatus  Larus argentatus	1 1 1 1 1 1 2 1	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires. North to South over wires Carrying food North to South over wires. Had to turn back and make a second approach to gain altitude. Carrying food North over wires, flying over land East of
08:30:00 08:45:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Common Tern  Herring Gull  Herring Gull  Common Tern	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo  Larus argentatus  Larus argentatus  Sterna hirundo	1 1 1 1 1 2 1 1	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires. North to South over wires Carrying food North to South over wires. Had to turn back and make a second approach to gain altitude. Carrying food North over wires, flying over land East of Causeway. Had to gain height to cross wires
08:30:00 08:45:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Common Tern  Herring Gull  Herring Gull  Common Tern	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo  Larus argentatus  Larus argentatus  Sterna hirundo	1 1 1 1 1 2 1 1	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires. North to South over wires Carrying food North to South over wires. Had to turn back and make a second approach to gain altitude. Carrying food North over wires, flying over land East of Causeway. Had to gain height to cross wires South to North over wires, flying over land East of
08:30:00 08:45:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Herring Gull  Herring Gull  Common Tern  Common Tern  Herring Gull  Herring Gull  Herring Gull  Common Tern  Herring Gull	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo  Larus argentatus  Larus argentatus  Sterna hirundo  Sterna hirundo  Larus argentatus  Larus argentatus	1 1 1 1 1 2 1 1 1 2	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires. North to South over wires Carrying food North to South over wires. Had to turn back and make a second approach to gain altitude. Carrying food North over wires, flying over land East of Causeway. Had to gain height to cross wires South to North over wires, flying over land East of causeway.
08:30:00 08:45:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Herring Gull  Herring Gull  Common Tern  Common Tern  Herring Gull  American Goldfinch	Sterna hirundo Phalacrocorax auritas Sterna hirundo Sterna hirundo Larus argentatus Larus argentatus Sterna hirundo Sterna hirundo Larus argentatus Sterna hirundo Larus argentatus Spinus tristis	1 1 1 1 1 2 1 1 2 6	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires. North to South over wires Carrying food North to South over wires. Had to turn back and make a second approach to gain altitude. Carrying food North over wires, flying over land East of Causeway. Had to gain height to cross wires South to North over wires, flying over land East of causeway. Flying North.
08:30:00 08:45:00 09:00:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Herring Gull  Herring Gull  Common Tern  Common Tern  Herring Gull  Herring Gull  Herring Gull  Common Tern  Herring Gull	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo  Larus argentatus  Larus argentatus  Sterna hirundo  Sterna hirundo  Larus argentatus  Larus argentatus	1 1 1 1 1 2 1 1 1 2	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires. North to South over wires Carrying food North to South over wires. Had to turn back and make a second approach to gain altitude. Carrying food North over wires, flying over land East of Causeway. Had to gain height to cross wires South to North over wires, flying over land East of causeway. Flying North. North to South over wires
08:30:00 08:45:00 09:00:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Common Tern  Herring Gull  Herring Gull  Common Tern  Common Tern  Herring Gull  American Goldfinch  Common Loon	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo  Larus argentatus  Larus argentatus  Sterna hirundo  Sterna hirundo  Larus argentatus  Sterna hirundo  Larus argentatus  Gavia immer	1 1 1 1 1 2 1 1 2 6 1 1	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires. North to South over wires Carrying food North to South over wires. Had to turn back and make a second approach to gain altitude. Carrying food North over wires, flying over land East of Causeway. Had to gain height to cross wires South to North over wires, flying over land East of causeway. Flying North. North to South over wires South to North over wires South to North over wires
08:30:00 08:45:00 09:00:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Herring Gull  Herring Gull  Common Tern  Common Tern  Herring Gull  American Goldfinch	Sterna hirundo Phalacrocorax auritas Sterna hirundo Sterna hirundo Larus argentatus Larus argentatus Sterna hirundo Sterna hirundo Larus argentatus Sterna hirundo Larus argentatus Spinus tristis	1 1 1 1 1 2 1 1 2 6	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires. North to South over wires Carrying food North to South over wires. Had to turn back and make a second approach to gain altitude. Carrying food North over wires, flying over land East of Causeway. Had to gain height to cross wires South to North over wires, flying over land East of causeway. Flying North. North to South over wires South to North over wires, flying over land East of causeway.
08:30:00 08:45:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Common Tern  Herring Gull  Herring Gull  Common Tern  Common Tern  Herring Gull  American Goldfinch  Common Loon  Common Tern	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo  Larus argentatus  Larus argentatus  Sterna hirundo  Sterna hirundo  Larus argentatus  Sterna hirundo  Larus argentatus  Sterna hirundo  Larus argentatus  Spinus tristis  Gavia immer  Sterna hirundo	1 1 1 1 1 1 2 1 1 2 6 1 2	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires. North to South over wires Carrying food North to South over wires. Had to turn back and make a second approach to gain altitude. Carrying food North over wires, flying over land East of Causeway. Had to gain height to cross wires South to North over wires, flying over land East of causeway. Flying North. North to South over wires South to North over wires, flying over land East of causeway. One was carrying food.
08:30:00 08:45:00 09:00:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Common Tern  Herring Gull  Herring Gull  Common Tern  Common Tern  Herring Gull  American Goldfinch  Common Loon	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo  Larus argentatus  Larus argentatus  Sterna hirundo  Sterna hirundo  Larus argentatus  Sterna hirundo  Larus argentatus  Gavia immer	1 1 1 1 1 2 1 1 2 6 1 1	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires. North to South over wires Carrying food North to South over wires. Had to turn back and make a second approach to gain altitude. Carrying food North over wires, flying over land East of Causeway. Had to gain height to cross wires South to North over wires, flying over land East of causeway. Flying North. North to South over wires South to North over wires, flying over land East of causeway. One was carrying food.
08:30:00 08:45:00 09:00:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Common Tern  Herring Gull  Herring Gull  Common Tern  Herring Gull  American Goldfinch  Common Loon  Common Tern  Common Tern	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo  Larus argentatus  Larus argentatus  Sterna hirundo  Sterna hirundo  Larus argentatus  Sterna hirundo  Larus argentatus  Spinus tristis  Gavia immer  Sterna hirundo  Sterna hirundo	1 1 1 1 1 1 2 1 1 2 6 1 2 1 1	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires. North to South over wires Carrying food North to South over wires. Had to turn back and make a second approach to gain altitude. Carrying food North over wires, flying over land East of Causeway. Had to gain height to cross wires South to North over wires, flying over land East of causeway. Flying North North to South over wires South to North over wires, flying over land East of causeway. Flying North North of Causeway, flew over causeway South bu was almost blown into wires by wind.
08:30:00 08:45:00 09:00:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Common Tern  Herring Gull  Herring Gull  Common Tern  Common Tern  Herring Gull  American Goldfinch  Common Loon  Common Tern	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo  Larus argentatus  Larus argentatus  Sterna hirundo  Sterna hirundo  Larus argentatus  Sterna hirundo  Larus argentatus  Sterna hirundo  Larus argentatus  Spinus tristis  Gavia immer  Sterna hirundo	1 1 1 1 1 1 2 1 1 2 6 1 2	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires. North to South over wires Carrying food North to South over wires. Had to turn back and make a second approach to gain altitude. Carrying food North over wires, flying over land East of Causeway. Had to gain height to cross wires South to North over wires, flying over land East of causeway. Flying North. North to South over wires South to North over wires Carrying food. Fishing North of Causeway, flew over causeway South buwas almost blown into wires by wind. Carrying food North, flying over land East of Causeway.
08:30:00 08:45:00 09:00:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Herring Gull  Herring Gull  Common Tern  Common Tern  Herring Gull  Common Tern	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo  Larus argentatus  Larus argentatus  Sterna hirundo  Sterna hirundo  Larus argentatus  Sterna hirundo  Larus argentatus  Sterna hirundo  Larus argentatus  Spinus tristis  Gavia immer  Sterna hirundo  Sterna hirundo  Sterna hirundo	1 1 1 1 1 1 2 1 1 2 6 1 2 1 1 1 1 1 1 1	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires. North to South over wires Carrying food North to South over wires. Had to turn back and make a second approach to gain altitude. Carrying food North over wires, flying over land East of Causeway. Had to gain height to cross wires South to North over wires, flying over land East of causeway. Flying North North to South over wires South to North over wires Carrying food. Fishing North of Causeway, flew over causeway South buwas almost blown into wires by wind. Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires.
08:30:00 08:45:00 09:00:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Common Tern  Herring Gull  Herring Gull  Common Tern  Common Tern  Herring Gull  American Goldfinch  Common Loon  Common Tern  Common Tern  Common Tern  Common Tern  Common Tern  Common Tern	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo  Larus argentatus  Larus argentatus  Sterna hirundo  Sterna hirundo  Larus argentatus  Sterna hirundo  Larus argentatus  Spinus tristis  Gavia immer  Sterna hirundo  Sterna hirundo  Sterna hirundo  Sterna hirundo  Sterna hirundo	1 1 1 1 1 1 1 2 1 1 2 6 1 2 1 1 2 1 2 2 1 1 2 2 2 1 1 2 2 1 1 2	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires. North to South over wires Carrying food North to South over wires. Had to turn back and make a second approach to gain altitude. Carrying food North over wires, flying over land East of Causeway. Had to gain height to cross wires South to North over wires, flying over land East of causeway. Flying North. North to South over wires South to North over wires, flying over land East of causeway. One was carrying food. Fishing North of Causeway, flew over causeway South bu was almost blown into wires by wind. Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. South to North over wires.
08:30:00 08:45:00 09:00:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Herring Gull  Herring Gull  Common Tern  Common Tern  Herring Gull  Common Tern	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo  Larus argentatus  Larus argentatus  Sterna hirundo  Sterna hirundo  Larus argentatus  Sterna hirundo  Larus argentatus  Sterna hirundo  Larus argentatus  Spinus tristis  Gavia immer  Sterna hirundo  Sterna hirundo  Sterna hirundo	1 1 1 1 1 1 2 1 1 2 6 1 2 1 1 1 1 1 1 1	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires. North to South over wires Carrying food North to South over wires. Had to turn back and make a second approach to gain altitude. Carrying food North over wires, flying over land East of Causeway. Had to gain height to cross wires South to North over wires, flying over land East of causeway. Flying North. North to South over wires South to North over wires South to North over wires, flying over land East of causeway. One was carrying food. Fishing North of Causeway, flew over causeway South bur was almost blown into wires by wind. Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food North, flying over land East of Causeway.
08:30:00 08:45:00 09:00:00	Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Common Tern  Herring Gull  Herring Gull  Common Tern  Common Tern  Herring Gull  American Goldfinch  Common Loon  Common Tern  Common Tern  Common Tern  Common Tern  Common Tern  Common Tern	Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo  Larus argentatus  Larus argentatus  Sterna hirundo  Sterna hirundo  Larus argentatus  Sterna hirundo  Larus argentatus  Spinus tristis  Gavia immer  Sterna hirundo  Sterna hirundo  Sterna hirundo  Sterna hirundo  Sterna hirundo	1 1 1 1 1 1 1 2 1 1 2 6 1 2 1 1 2 1 2 2 1 1 2 2 2 1 1 2 2 1 1 2	Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Carrying food South to North under wires through ship canal. North to South over wires Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. Fishing South of causeway South to North over wires. North to South over wires Carrying food North to South over wires. Had to turn back and make a second approach to gain altitude. Carrying food North over wires, flying over land East of Causeway. Had to gain height to cross wires South to North over wires, flying over land East of causeway. Flying North. North to South over wires South to North over wires, flying over land East of causeway. One was carrying food. Fishing North of Causeway, flew over causeway South bu was almost blown into wires by wind. Carrying food North, flying over land East of Causeway. Couldn't see final approach to wires. South to North over wires.

Date June 19, 2014

14:45:00   Herring Gull   Larca argentatus   3   South to North over wires   Common Reven   Consus coreax   2   One-flying floor bottom between wires, other locitering in quarry.	Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
14-15-00   Herring Gull   Larce argentatus   3   South to North over views					
Common Ravon   Corvus corax   2   One flying North is South between wives, other lotering in quarry.	14:00:00		Setophaga ruticilla		
Herring Gull  Larus argentatus  1 South to North over wires. Had to gain attitude to get over wires.  Herring Gull  Larus argentatus  1 North to South over wires. Had to gain attitude to get over wires.  Herring Gull  Larus argentatus  1 North to South over wires. Had to gain attitude to get over wires.  Fish Gull  Larus argentatus  1 North to South over wires. Had to gain attitude to get over wires.  Fish Gull  Larus argentatus  1 South to North under wires  Gratel Black-booked Gull  Larus mannas  1 South to North under wires  Gratel Black-booked Gull  Larus mannas  1 South to North under wires.  Gratel Black-booked Gull  Larus mannas  1 South to North over wires. Had to table to gain attitude.  Tommon Tern  Sterna hirundo  2 Common Tern  Sterna hirundo  Terna Sterna hirundo  Common Tern  Sterna hirundo  Terna	14:15:00	Herring Gull	Larus argentatus	3	
Herring Gull Larus argentatus 1 were.  Common Reven Corvus croax 2 Prying between wires. Heat to gain altitude to get over wires. Professor and causeway searching for food common Term Stems hirundo 1 Carrying boot South to North under wires. Bying over land East of Carrian Could Cause argentatus 1 South to North under wires. Great Black-backed Gull Larus marinas 1 South to North under wires. Great Black-backed Gull Larus marinas 3 South to North Under wires. Great Black-backed Gull Larus marinas 3 South to North Under wires. Great Black-backed Gull Larus marinas 3 South to North Under wires. Find to stall to gain altitude. Common Term Stems hirundo 1 South to North under wires. Find to stall to gain altitude. Common Term Stems hirundo 2 South to North under wires. Playing over land East of Causeway. But the Common Term Stems hirundo 2 South to North under wires. Double-crested Common Phelacocorans aurilias 1 South to North under wires. Double-crested Common Phelacocorans aurilias 1 South to North under wires. But the Common Term Stems hirundo 2 South to North under wires. But the Common Term Stems hirundo 3 South to North under wires. But the Common Term Stems hirundo 4 South to North under wires. But the Common Term Stems hirundo 5 South to North under wires. But the Common Term Stems hirundo 5 South to North under wires. But the Common Term Stems hirundo 5 South to North under wires. But the Common Term Stems hirundo 6 South to North under wires. But the Common Term Stems hirundo 6 South to North under wires. But the Common Term Stems hirundo 6 South to North through ship cannel. The South to North through ship cannel. The South to North through ship cannel. Common Term Stems hirundo 1 Common Term Stems hirundo 1 Common Term Stems hirundo 1 Com	14:30:00	Common Raven	Corvus corax	2	
Fig. 200 Common Raisen Convoir corax Common Raisen Convoir corax Common Raisen Common Term Sterme hirundo Double-crested Commonat Final Common Term Sterme hirundo Final Common Term Final Common Term Sterme hirundo Final Common Term Final Co		Herring Gull	Larus argentatus	1	
Source   Common Term   Source Intrince    1	14:45:00	Herring Gull	Larus argentatus	1	1
Common Tern   Serina hirundo	15:00:00	Common Raven	Corvus corax	2	Flying between wires around causeway searching for food.
Great Black-backed Gull Larus marninas 1 South to North high above wires (16:00:00 Common Tern Sterne hirundo 1 South to North high above wires. Hard to stall to gain altitude (16:15:00) Common Tern Sterne hirundo 2 Common Tern Sterne hirundo 3 Common Tern Sterne hirundo 4 Common Tern Sterne hirundo 5 Common Tern Sterne hirundo 5 Common Tern Sterne hirundo 6 Common Tern Sterne hirundo 7 Common Tern Sterne hirundo 8 Common Tern Sterne hirundo 9 Com	15:15:00	Common Tern	Sterna hirundo	1	
Great Black-backed Guil   Lanus marines   3   South to North high above wires	15:30:00	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires
Common Term   Sterna hirundo   1   South to North over wires. Had to stall to gain altitude.		Great Black-backed Gull	Larus marinas	1	South to North under wires
Common Tern   Sterna hirundo   2   North to South over wires, having difficulty. One tern crossed and appeared to wal for the other one.		Great Black-backed Gull	Larus marinas	3	South to North high above wires
Common Tern   Sterna hirundo   2   North to South over wires, having difficulty. One tern crossed and appeared to wal for the other one.	16:00:00	Common Tern	Sterna hirundo	1	South to North over wires. Had to stall to gain altitude.
Common Tern Sterna hirundo 2 crossed and appeared to valif or the other one. Common Tern Sterna hirundo 2 Carrying food South to North over wires, flying over land east of Causeway.  Common Tern Sterna hirundo 2 South to North over wires, flying over land east of Causeway.  Common Tern Double-crested Cormorant Phalacroccorax auritas 1 South to North under wires. 1 South to North to South core wires. 1 Forsaging and guarey. 1 South to North to South core wires. 1 Forsaging and guarey. 1 South to North under wires. 1 South to North under wires. 2 North to South core wires. 2 North to South to North under wires. 2 North to South core wires. 2 South to North under wires. 2 South to North word wires. 3 Forsaging along authors. 4 South to North word wires. 5 Sortena birundo 2 Fishing South to North word wires. 4 Common Tern. 5 Sterna birundo 3 Carrying food North over wires. 4 Common Tern. 5 Sterna birundo 4 Carrying food North over wires. 5 South to North over wires. 5 South to North over wires. 5 South to North over wires. One backtracked to gain height to cross wires. 5 South to North over wires. One backtracked to gain height to cross wires. 5 South to North over wir		Common rom	Oterria rimanae	'	<u> </u>
Common Tem   Sterma Infundo   2   South to North under wires	16.15.00	Common Tern	Sterna hirundo	2	crossed and appeared to wait for the other one.
Double-crested Cormorant   Phalacrocorax auritas   1   South to North under wires			Sterna hirundo		East of Causeway.
Double-crested Cormorant   Phalacrocorax auritas   1   South to North above wires. Had to back off and make soond agroach to gain necessary height.	16:30:00		Sterna hirundo		South to North under wires
Double-crested Commonate   Phalacrocorax auritas   1   Second approach to gain necessary height.		Double-crested Cormorant	Phalacrocorax auritas	1	
Great Black-backed Gull   Lanus argenitatus   1   South to North over wires		Double-crested Cormorant	Phalacrocorax auritas	1	second approach to gain necessary height.
17:00:00   Bald Eagle   Haliaeetus leucocephalus   1   Soaring over quarry.	16:45:00		Sterna hirundo	1	
Herring Gull		Great Black-backed Gull		1	
Great Black-backed Gull   Larus marinas   3   Foraging along causeway.	17:00:00	Bald Eagle	Haliaeetus leucocephalus	1	Soaring over quarry.
Herring Gull   Larus argentatus   2.   North to South over wires	17:15:00	Herring Gull	Larus argentatus	1	North to South over wires
Tree Swallow Factycineta bicolor 1 Foraging in ship canal.  Double-crested Cormorant Phalacrocorax auritas 1 South to North under wires  Fishing South of causeway  Red Eyed Vireo Vireo olivaceus 1 Heard singing  Common Tern Sterna hirundo 1 Carrying food South to North through ship canal.  77.45:00 Common Tern Sterna hirundo 1 Carrying food South to North verwires.  Common Tern Sterna hirundo 1 Carrying food South to North over wires.  Common Tern Sterna hirundo 1 Carrying food South to North over wires.  Common Tern Sterna hirundo 1 Carrying food South to North over wires.  Common Tern Sterna hirundo 1 Carrying food North over wires.  Common Tern Sterna hirundo 1 Carrying food North over wires, flying over land East of Causeway.  Edeld Kingfisher Megaceryle alcyon 1 Carrying food North over wires, flying over land East of Causeway.  Gent Black-backed Gull Larus marinas 1 Carrying food North over wires, flying over land East of Causeway.  Geat Black-backed Gull Larus marinas 1 South to North over wires. Had to gain altitude to get over wires.  Common Tern Sterna hirundo 2 South to North over wires. One backtracked to gain height to cross wires.  Common Tern Sterna hirundo 2 North to South to North over wires. One backtracked to gain height to cross wires.  Common Tern Sterna hirundo 2 North to South to North over wires. One had to make two approaches to gain enough height to cross wires.  Northern Parula Setophaga americana 1 Heading North towards wires. Turned west at last second, flew parallel to wires to gain more height, then went over.  Northern Parula Setophaga americana 1 Heading North towards wires around causeway searching for food Hansey wires wires through ship canal.  Common Tern Sterna hirundo 5 South to North to North. Looked like an Artic Tern Sterna hirundo 1 Over wires South to North over wires, had to gain altitude over wires.  Common		Great Black-backed Gull	Larus marinas	3	Foraging along causeway.
Double-crested Cormorant   Phalacrocorax auritas   1   South to North under wires	17:30:00	Herring Gull	Larus argentatus	2	North to South over wires
Common Tern   Sterna hirrundo   2   Fishing South of causeway   Red Eyed Vireo   Vireo Officaceus   1   Heard singing   Common Tern   Sterna hirrundo   1   Carrying food South to North through ship canal.				·	
Red Eyed Vireo   Vireo ofivaceus   1   Heard singing					
Common Tern   Sterna hirundo   1   Carrying food South to North through ship canal.				2	·
Common Tern   Sterna hirundo   1   Carrying food South to North over wires.		,		<u> </u>	
Osprey					
Common Tern   Sterna hirundo   1   Carrying food South to North over wires.	17:45:00				
Common Tern   Sterna hirundo   1   Carrying food North over wires, flying over land East of Causeway.				- :	
Belted Kingfisher Belted Kingfisher Common Tern Sterna hirundo  Great Black-backed Gull  Larus marinas  Great Black-backed Gull  Larus marinas  Great Black-backed Gull  Larus marinas  Common Tern  Sterna hirundo  Sterna hirundo  Common Tern  Sterna hirundo  Sterna hirundo  Common Tern  Sterna hirundo  Sterna hirundo  Double-crested Cormorant  Phalacrocorax auritas  Tern Parula  Common Tern  Sterna hirundo  Common Tern  Sterna hirundo  Double-crested Cormorant  Phalacrocorax auritas  Tern Parula  Common Tern  Sterna hirundo  Sterna hirundo  Double-crested Cormorant  Phalacrocorax auritas  Tern Parula  Common Tern  Sterna hirundo  Sterna hirundo  Double-crested Cormorant  Phalacrocorax auritas  Tern Parula  Common Tern  Sterna hirundo  Double-crested Cormorant  Double-crested Cormorant  Sterna hirundo  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Phalacrocorax auritas  Tern Parula  Common Tern  Sterna hirundo  Double-crested Cormorant  Sterna hirundo  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Phalacrocorax auritas  Tern Parula  Setophaga americana  Heading North towards wires. Turned west at last second, flew parallel to wires to gain more height, then went over.  Heading North towards wires. Turned west at last second, flew parallel to wire s to gain more height to cross wires.  Turned west at last second, flew parallel to wires to gain more height to cross wires.  Turned west at last second, flew parallel to wires to gain more height to cross wires.  Turned west at last second, flew parallel to wires to gain more height to cross wires.  Turned west at last second, flew parallel to wires to gain more height, then went over.  Heading North towards wires. Turned west at last second, flew parallel to wires to gain more height to cross wires.  Turned west at last second, flew parallel to wires to gain more height to cross wires.  Turned west at last second, flew parallel to wires to gain more height to cross wires.  Turned		Common Tern	Sterna nirundo	1	, 0
Common Tern   Sterna hirundo   1   Carrying food North over wires, flying over land East of Causeway.					Causeway.
Sema hirundo   1   Causeway.		Belted Kingfisher	Megaceryle alcyon	1	
Common Tern   Sterna hirundo   2   South to North over wires. One backtracked to gain height to cross wires.		Common Tern	Sterna hirundo	1	Causeway.
Common Tern  Sterna hirundo  2 horth to South over wires. One had to make two approaches to gain enough height to cross wires.  Double-crested Cormorant  Phalacrocorax auritas  1 Heading North towards wires. Turned west at last second, flew parallel to wires to gain more height, then went over.  Northern Parula  Setophaga americana  1 Heard singing  Common Raven  Corvus corax  1 Flying between wires around causeway searching for food Has very little trouble with wires.  Common Tern  Sterna hirundo  5 South to North over wires  Common Tern  Sterna hirundo  1 Over wires South to North. Looked like an Artic Tern  Sterna hirundo  1 Common Tern  Sterna hirundo  1 South to North under wires through ship canal.  Common Tern  Sterna hirundo  1 North to South over wires, had to stall to gain altitude over wires.  Common Tern  Sterna hirundo  1 North to South under wires  Common Tern  Sterna hirundo  1 North to South under wires  Common Tern  Sterna hirundo  1 South to North over wires over land east of causeway.	18:00:00	Great Black-backed Gull	Larus marinas	1	wires.
Double-crested Cormorant   Phalacrocorax auritas   1   Heading North towards wires. Turned west at last second, flew parallel to wires to gain more height, then went over.		Common Tern	Sterna hirundo	2	to cross wires.
Northern Parula   Setophaga americana   1   Heard singing		Common Tern	Sterna hirundo	2	
Common Raven  Common Raven  Common Raven  Common Tern  Sterna hirundo  Common Tern  Sterna hirundo  Tern sp  Sterna hirundo  Common Tern  Sterna hirundo  Common		Double-crested Cormorant	Phalacrocorax auritas	1	Heading North towards wires. Turned west at last second, flew parallel to wires to gain more height, then went over.
Common Raven  Common Raven  Common Raven  Common Tern  Sterna hirundo  Common Tern  Sterna hirundo  Tern sp  Sterna hirundo  Common Tern  Sterna hirundo  Common		Northern Parula	Setophaga americana	1	Heard singing
Common Tern Sterna hirundo 1 Over wires South to North. Tern sp Sterna sp 1 Over wires South to North. Looked like an Artic Tern South to North under wires through ship canal. Common Tern Sterna hirundo 1 Common Tern Sterna hirundo 1 Common Tern Sterna hirundo 2 Carrying food North over wires, had to stall to gain altitude over wires. Common Tern Sterna hirundo 1 North to South under wires  Sterna hirundo 1 North to South under wires  Sterna hirundo 1 South to North over wires over land east of causeway.		Common Raven	Corvus corax	1	Flying between wires around causeway searching for food. Has very little trouble with wires.
Common Tern Sterna hirundo 1 Over wires South to North. Tern sp Sterna sp 1 Over wires South to North. Looked like an Artic Tern South to North under wires through ship canal. Common Tern Sterna hirundo 1 Common Tern Sterna hirundo 1 Common Tern Sterna hirundo 2 Carrying food North over wires, had to stall to gain altitude over wires. Common Tern Sterna hirundo 1 North to South under wires  Sterna hirundo 1 North to South under wires  Sterna hirundo 1 South to North over wires over land east of causeway.	18:15:00	Common Tern	Sterna hirundo	5	·
Tern sp Sterna sp 1 Over wires South to North. Looked like an Artic Tern  Sterna hirundo 1 South to North under wires through ship canal.  Common Tern Sterna hirundo 1 carrying food North over wires, had to stall to gain altitude over wires.  Common Tern Sterna hirundo 2 Carrying food North over wires, had to gain altitude.  Common Tern Sterna hirundo 1 North to South under wires  Sterna hirundo 1 South to North over wires over land east of causeway.		Common Tern	Sterna hirundo		
Common Tern   Sterna hirundo   1   South to North under wires through ship canal.		Tern sp	Sterna sp	1	Over wires South to North. Looked like an Artic Tern
Common Tern  Sterna hirundo  1 carrying food North over wires, had to stall to gain altitude over wires.  Common Tern  Sterna hirundo  Common Tern  Sterna hirundo  1 Carrying food North over wires, had to gain altitude.  Common Tern  Sterna hirundo  1 North to South under wires  Common Tern  Sterna hirundo  1 South to North over wires over land east of causeway.	18:30:00			1	South to North under wires through ship canal.
Common Tern  Sterna hirundo  1 North to South under wires  18:45:00  Common Tern  Sterna hirundo  1 South to North over wires over land east of causeway.				1	carrying food North over wires, had to stall to gain altitude
Common Tern Sterna hirundo 1 South to North over wires over land east of causeway.					
Great Black-backed Gull Larus marinas 1 North to South over wires	18:45:00	Common Tern	Sterna hirundo	1	
		Great Black-backed Gull	Larus marinas	1	North to South over wires

Species	Number of Individuals
Ореолео	Observed
Alder Flycatcher	1
American Goldfinch	6
American Redstart	1
American Robin	1
Bald Eagle	1
Belted Kingfisher	1
Common Loon	6
Common Raven	5
Common Tern	78
Double-crested Cormorant	24
Great Black-backed Gull	11
Herring Gull	17
Northern Parula	1
Osprey	1
Red Eyed Vireo	1
Tern sp	1
Tree Swallow	1
Yellow Warbler	1
TOTAL	158

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
Cloudy/foggy,	light wind from North, 10-20km/	hr.	•	
05:00:00	Spotted Sandpiper	Actitis macularis	1	Feeding along rocks on side of causeway
	Yellow Warbler	Setophaga petechia	1	Heard singing
	American Robin	Turdus migratorius	1	Heard singing
	Song Sparrow	Melospiza melodia	1 1	Heard singing
	Magnolia Warbler American Crow	Setophaga magnolia Corvus brachyrhynchos	5	Heard singing Loitering on causeway
	Double-crested Cormorant	Phalacrocorax auritas	1	Flying south to north under wires through ship canal
	Herring Gull	Larus argentatus	1	North to south over wires
	Alder Flycatcher	Setophaga petechia	1	Heard singing
05:15:00	Double-crested Cormorant	Phalacrocorax auritas	2	North to south over wires
	Great Black-backed Gull	Larus marinas	2	Foraging south of causeway
	Common Loon	Gavia immer	2	Flying north to south high over wires
	Northern Flicker	Colaptes auratus	1	Heard calling
05:30:00	Common Tern	Sterna hirundo	2	Flying south to north over wires. Had to gain altitude.
05:45:00	Herring Gull	Larus argentatus	1	South to north over wires  Flying south to north. Intended to go over wires but failed
	Great Black-backed Gull	Larus marinas	1	to gain altitude and made adjustment, flew between wires.
06:00:00	Common Tern	Sterna hirundo	1	Carrying food south to north over land east of causeway
	Common Tern	Sterna hirundo	1	South to north over wires. Had to gain altitude.
	Common Loon	Gavia immer	1	Flying high over wires south to north
	Common Raven	Corvus corax	1	Flying over causeway under wires
	Great Blue Heron	Ardea herodias	1	Flying north to south high over wires
	Great Black-backed Gull	Larus marinas	2	Flying north to south over wires. Both had to gain altitude.
20.45.22	Common Tern	Sterna hirundo	1	Flying south to north. Made two approaches and went over wires.
06:15:00	Common Tern	Sterna hirundo	2	Flying north to south over wires. One had to make two approaches.
	Great Black-backed Gull	Larus marinas	1	Flying south to north. Had to gain altitude to get over wires.
	Great Black-backed Gull	Larus marinas	1	South to north under wires
	Pine Siskin	Spinus pinus	several	Heard in area
	Common Loon	Gavia immer	1	Flew between wires south to north
	Common Tern  Double-crested Cormorant	Sterna hirundo Phalacrocorax auritas	3	Carrying food south to north under wires South to north under wires
	Bald Eagle	Haliaeetus leucocephalus	1	North to south over wires
	Great Black-backed Gull	Larus marinas	2	Flying south to north. One had to gain altitude to go over wires, other gull went under wires.
06:30:00	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
	Common Tern	Sterna hirundo	1	North to south under wires
	Chipping Sparrow	Spizella passerina	1	Heard singing
	Great Blue Heron	Ardea herodias	1	Flying north
06:45:00	Various gulls		5	Foraging in ship canal
	Common Tern	Sterna hirundo	1	North to south under wires
	Great Black-backed Gull Common Tern	Larus marinas	2 2	South to north under wires
07:00:00	American Black Duck	Sterna hirundo  Anas rubripes	1	South to north over wires. One carrying food  North to south over wires
37.00.00	Herring Gull	Larus argentatus	10	Flying south to north near quarry.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Northern Gannet	Morus bassanus	1	South to north over wires. Had to gain altitude.
	Common Tern	Sterna hirundo	2	South to north over wires. Had to gain altitude.
07:15:00	Northern Gannet	Morus bassanus	1	South to north over wires
	Common Loon	Gavia immer	1	North to south over wires
	Northern Gannet	Morus bassanus	2	Foraging north of causeway
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
	Herring Gull	Larus argentatus	2	North to south over wires. Had to gain altitude.
	Common Tern	Sterna hirundo	1	South to north over wires. Had to stall to gain altitude.
7:30:00	American Black Duck	Anas rubripes	1	South to north over wires
	Belted Kingfisher	Megaceryle alcyon	1	North to south under wires
	Northern Gannet	Morus bassanus	4	Over wires north to south. All had to gain altitude.
	Black-and-white Warbler	Mniotilta varia	1 1	Heard singing
07:45:00	Herring Gull	Larus argentatus	1 2	North to south over wires. Had to gain altitude.  North to south over wires
.π. <del>4</del> υ.00	Herring Gull Northern Gannet	Larus argentatus Morus bassanus	1	Foraging north of causeway
	Merlin	Falco columbarius	1	Carrying young starling into eastern treeline
	Northern Gannet	Morus bassanus	20	Foraging one kilometre north of causeway
00:00	Great Black-backed Gull	Larus marinas	1	Over wires south to north. Had to make two approaches.
	Northern Gannet	Morus bassanus	2	South to north over wires
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
	Common Torn	Starna hirunda	2	One north to south over wires, one north to south under
	Common Tern	Sterna hirundo	2	wires
	Blackburnian Warbler	Setophaga fusca	1	Heard singing
	Common Tern	Sterna hirundo	1	Flying south to north. Flew parallel with wires until it gained sufficient altitude to fly over wires.
	Common Tern	Sterna hirundo	1	Flew under wires north to south. Foraging along causeway, tried to kite to other side, came very close to hitting wires.
	Bald Eagle	Haliaeetus leucocephalus	1	North to south over wires
08:30:00	Common Tern	Sterna hirundo	1	Carrying food under wires south to north
	Herring Gull	Larus argentatus	1	North to south under wires
	Common Tern	Sterna hirundo	2	Carrying food south to north. One over wires and one under wires.
	Common Tern	Sterna hirundo	2	One carrying food. Both south to north over wires.
	Herring Gull	Larus argentatus	1	North to south over wires
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Time of Day			1	
-	Common Name	Scientific Name	No of Individuals	Species Behaviour
08:30:00				South to parth under wires. Had to make flight
06.30.00	Common Tern	Sterna hirundo	1	South to north under wires. Had to make flight adjustments.
	Great Black-backed Gull	Larus marinas	1	South to north over wires
08:45:00	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Common Tern	Sterna hirundo	2	South to north under wires
	Herring Gull	Larus argentatus	2	North to south over wires. One had to gain altitude.
09:00:00	Northern Gannet	Morus bassanus	5	Well over wires south to north
	Double-crested Cormorant Common Tern	Phalacrocorax auritas Sterna hirundo	1 1	South to north over wires. Had to gain altitude.  North to south over wires. Had to gain altitude.
	Double-crested Cormorant	Phalacrocorax auritas	2	South to north under wires. Had to gain altitude.
	Great Black-backed Gull	Larus marinas	1	South to north under wires
09:15:00	Osprey	Pandion haliaetus	1	South to north over wires
	Common Tern	Sterna hirundo	1	South to north over wires. Had to gain altitude.
	Blue-headed Vireo	Vireo solitarius	1	Heard singing
09:30:00	Great Black-backed Gull Northern Gannet	Larus marinas Morus bassanus	1	South to north over wires  South to north over wires. Had to gain altitude.
09.30.00		Morus bassarius		Flying north to south. Turned into wind as it approached
	Common Tern	Sterna hirundo	1	lines then sailed over top.
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
09:45:00	Northern Gannet	Morus bassanus	30	Foraging one kilometre north of causeway
	Northern Gannet	Morus bassanus	1	South to north over wires
	Bald Eagle	Haliaeetus leucocephalus	1	East to west over water
	Common Tern	Sterna hirundo	1	South to north under wires
Afternoon Sur	Double-crested Cormorant  vey: Wind picked up 40-50 km/h N	Phalacrocorax auritas	1	North to south over wires
14:05:00	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires through ship canal
	Double-crested Cormorant	Phalacrocorax auritas		North to south under wires through ship canal
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south over wires
	Common Tern	Sterna hirundo		North to south over wires
	Great Black-backed Gull	Larus marinas	1	North to south under wires
	Herring Gull	Larus argentatus		North to south over wires. One had to gain altitude.
	Bald Eagle Great Black-backed Gull	Colaptes auratus Larus marinas	1 1	Over water east to west  North to south under wires
	Northern Gannet	Morus bassanus	2	Over wires north to south. Both had to gain altitude.
	Ring-necked Duck	Aythya collaris	1	Flew between wires north of ship canal
14:15:00	American Crow	Corvus brachyrhynchos	3	Loitering on causeway
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
	Northern Gannet	Morus bassanus	1	North to south over wires
	Northern Gannet	Morus bassanus	11	High above wires north to south
	Common Tern	Sterna hirundo	1	Carrying food south to north. Flew parallel with wires until it gained sufficient altitude to go over.
14:30:00				Both carrying food south to north. One headed east over
14.50.00	Common Tern	Sterna hirundo	2	land, the other over wires near ship canal. Both had to
			_	gain altitude.
	Common Tern	Sterna hirundo	2	South to north over wires. Had to gain altitude.
	Herring Gull	Larus argentatus	1	Kited between wires backwards. Came very close to
	3			hitting wires.
14:45:00	Common Tern	Sterna hirundo	1	Flying south to north. Awkwardly flew between wires. South to north over wires carrying food. Had to gain
14.45.00	Common Tern	Sterna hirundo	1	altitude.
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	Common Tern	Sterna hirundo	1	South to north under wires
		Sterna hirundo Phalacrocorax auritas	1	South to north under wires South to north under wires
	Common Tern		1	South to north under wires South to north under wires North to south over wires
15:00:00	Common Tern Double-crested Cormorant Great Black-backed Gull	Phalacrocorax auritas	1	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25
	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls	Phalacrocorax auritas Larus marinas	1	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes.
15:00:00 15:30:00	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern	Phalacrocorax auritas Larus marinas Sterna hirundo	1 1	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes. Carrying food south to north over wires
	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern Great Black-backed Gull	Phalacrocorax auritas Larus marinas Sterna hirundo Larus marinas	1	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes. Carrying food south to north over wires South to north over wires. Had to gain altitude.
	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern	Phalacrocorax auritas Larus marinas Sterna hirundo	1 1 1 2	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes. Carrying food south to north over wires
15:30:00	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas	1 1 1 2 1	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes. Carrying food south to north over wires South to north over wires. Had to gain altitude. South to north over wires
	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Herring Gull	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Larus argentatus	1 1 2 1 1 2 3	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes. Carrying food south to north over wires South to north over wires. Had to gain altitude. South to north over wires South to north under wires North to south under wires South to north over wires
15:30:00 15:45:00	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Double-crested Cormorant	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas	1 1 2 1 1 2 3 2	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes. Carrying food south to north over wires South to north over wires. Had to gain altitude. South to north over wires South to north under wires North to south under wires South to north over wires North to south under wires North to south under wires
15:30:00 15:45:00 16:00:00	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Double-crested Cormorant American Goldfinch	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Spinus tristis	1 1 2 1 1 2 3 2 2	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes. Carrying food south to north over wires South to north over wires. Had to gain altitude. South to north over wires South to north under wires North to south under wires South to north over wires North to south under wires Heard singing in area
15:30:00 15:45:00 16:00:00 16:15:00	Common Tern  Double-crested Cormorant  Great Black-backed Gull  Various gulls  Common Tern  Great Black-backed Gull  Herring Gull  Double-crested Cormorant  Double-crested Cormorant  Herring Gull  Double-crested Cormorant  American Goldfinch  Common Tern	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas	1 1 2 1 1 2 3 2	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes. Carrying food south to north over wires South to north over wires. Had to gain altitude. South to north over wires South to north under wires North to south under wires South to north over wires North to south under wires North to south under wires
15:30:00 15:45:00 16:00:00 16:15:00	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Double-crested Cormorant American Goldfinch	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Spinus tristis Sterna hirundo	1 1 2 1 1 2 3 2 2	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes. Carrying food south to north over wires South to north over wires. Had to gain altitude. South to north over wires South to north under wires North to south under wires North to south under wires North to south under wires Heard singing in area South to north high over wires
15:30:00 15:45:00 16:00:00 16:15:00 Wind decreasir	Common Tern  Double-crested Cormorant  Great Black-backed Gull  Various gulls  Common Tern  Great Black-backed Gull  Herring Gull  Double-crested Cormorant  Double-crested Cormorant  Herring Gull  Double-crested Cormorant  American Goldfinch  Common Tern  ng 30-40km/hour	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Spinus tristis	1 1 2 1 1 2 3 2 2 2	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes. Carrying food south to north over wires South to north over wires. Had to gain altitude. South to north over wires South to north under wires North to south under wires South to north over wires North to south under wires Heard singing in area
15:30:00 15:45:00 16:00:00 16:15:00 Wind decreasir	Common Tern  Double-crested Cormorant  Great Black-backed Gull  Various gulls  Common Tern  Great Black-backed Gull  Herring Gull  Double-crested Cormorant  Double-crested Cormorant  Herring Gull  Double-crested Cormorant  American Goldfinch  Common Tern  ng 30-40km/hour  Northern Gannet	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Spinus tristis Sterna hirundo  Morus bassanus	1 1 2 1 1 2 1 2 3 2 2 2 1	South to north under wires  South to north under wires  North to south over wires  Foraging north of causeway. No birds near wires for 25 minutes.  Carrying food south to north over wires  South to north over wires. Had to gain altitude.  South to north over wires  South to north under wires  North to south under wires  North to south under wires  North to south under wires  Heard singing in area  South to north high over wires  Foraging one kilometre north of causeway  Flying south to north – two under wires, one of them carrying food, other three turned and made a second
15:30:00 15:45:00 16:00:00 16:15:00 Wind decreasir	Common Tern  Double-crested Cormorant  Great Black-backed Gull  Various gulls  Common Tern  Great Black-backed Gull  Herring Gull  Double-crested Cormorant  Double-crested Cormorant  Herring Gull  Double-crested Cormorant  American Goldfinch  Common Tern  ng 30-40km/hour	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Spinus tristis Sterna hirundo	1 1 2 1 1 2 3 2 2 2	South to north under wires  South to north under wires  North to south over wires  Foraging north of causeway. No birds near wires for 25 minutes.  Carrying food south to north over wires  South to north over wires. Had to gain altitude.  South to north over wires  South to north under wires  North to south under wires  South to north over wires  North to south under wires  North to south under wires  Heard singing in area  South to north high over wires  Foraging one kilometre north of causeway  Flying south to north – two under wires, one of them carrying food, other three turned and made a second attempt to gain altitude over wires, one of them carrying
15:30:00 15:45:00 16:00:00 16:15:00 Wind decreasir	Common Tern  Double-crested Cormorant  Great Black-backed Gull  Various gulls  Common Tern  Great Black-backed Gull  Herring Gull  Double-crested Cormorant  Double-crested Cormorant  Herring Gull  Double-crested Cormorant  American Goldfinch  Common Tern  ng 30-40km/hour  Northern Gannet	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Spinus tristis Sterna hirundo  Morus bassanus	1 1 2 1 1 2 1 2 3 2 2 2 1	South to north under wires  South to north under wires  North to south over wires  Foraging north of causeway. No birds near wires for 25 minutes.  Carrying food south to north over wires  South to north over wires. Had to gain altitude.  South to north over wires  South to north under wires  North to south under wires  North to south under wires  North to south under wires  Heard singing in area  South to north high over wires  Foraging one kilometre north of causeway  Flying south to north – two under wires, one of them carrying food, other three turned and made a second attempt to gain altitude over wires, one of them carrying food as well.
15:30:00 15:45:00 16:00:00 16:15:00 Wind decreasir	Common Tern  Double-crested Cormorant  Great Black-backed Gull  Various gulls  Common Tern  Great Black-backed Gull  Herring Gull  Double-crested Cormorant  Double-crested Cormorant  Herring Gull  Double-crested Cormorant  American Goldfinch  Common Tern  ng 30-40km/hour  Northern Gannet  Common Tern	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Spinus tristis Sterna hirundo  Morus bassanus  Sterna hirundo	1 1 2 1 1 2 1 2 3 2 2 2 1	South to north under wires  South to north under wires  North to south over wires  Foraging north of causeway. No birds near wires for 25 minutes.  Carrying food south to north over wires  South to north over wires. Had to gain altitude.  South to north over wires  South to north under wires  North to south under wires  North to south under wires  North to south under wires  Heard singing in area  South to north high over wires  Foraging one kilometre north of causeway  Flying south to north – two under wires, one of them carrying food, other three turned and made a second attempt to gain altitude over wires, one of them carrying food as well.  Flying south to north carrying food. One made two
15:30:00 15:45:00 16:00:00 16:15:00 Wind decreasir	Common Tern  Double-crested Cormorant  Great Black-backed Gull  Various gulls  Common Tern  Great Black-backed Gull  Herring Gull  Double-crested Cormorant  Double-crested Cormorant  Herring Gull  Double-crested Cormorant  American Goldfinch  Common Tern  ng 30-40km/hour  Northern Gannet	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Spinus tristis Sterna hirundo  Morus bassanus	1 1 2 1 1 2 1 2 3 2 2 2 1	South to north under wires  South to north under wires  North to south over wires  Foraging north of causeway. No birds near wires for 25 minutes.  Carrying food south to north over wires  South to north over wires. Had to gain altitude.  South to north over wires  South to north under wires  North to south under wires  North to south under wires  North to south under wires  Heard singing in area  South to north high over wires  Foraging one kilometre north of causeway  Flying south to north – two under wires, one of them carrying food, other three turned and made a second attempt to gain altitude over wires, one of them carrying food as well.  Flying south to north carrying food. One made two attempts to get over wires, the other needed four to get
15:30:00 15:45:00 16:00:00 16:15:00 Wind decreasin 16:15:00	Common Tern  Double-crested Cormorant  Great Black-backed Gull  Various gulls  Common Tern  Great Black-backed Gull  Herring Gull  Double-crested Cormorant  Double-crested Cormorant  Herring Gull  Double-crested Cormorant  American Goldfinch  Common Tern  ng 30-40km/hour  Northern Gannet  Common Tern	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Spinus tristis Sterna hirundo  Morus bassanus  Sterna hirundo	1 1 2 1 1 2 1 2 3 2 2 2 1	South to north under wires  South to south over wires  Foraging north of causeway. No birds near wires for 25 minutes.  Carrying food south to north over wires  South to north over wires. Had to gain altitude.  South to north over wires  South to north under wires  North to south under wires  Heard singing in area  South to north high over wires  Foraging one kilometre north of causeway  Flying south to north – two under wires, one of them carrying food, other three turned and made a second attempt to gain altitude over wires, one of them carrying food as well.  Flying south to north carrying food. One made two attempts to get over wires, the other needed four to get over wires.
15:30:00 15:45:00 16:00:00 16:15:00 Wind decreasir	Common Tern  Double-crested Cormorant  Great Black-backed Gull  Various gulls  Common Tern  Great Black-backed Gull  Herring Gull  Double-crested Cormorant  Double-crested Cormorant  Herring Gull  Double-crested Cormorant  American Goldfinch  Common Tern  ng 30-40km/hour  Northern Gannet  Common Tern	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Spinus tristis Sterna hirundo  Morus bassanus  Sterna hirundo	1 1 2 1 1 2 1 2 3 2 2 2 1	South to north under wires  South to north under wires  North to south over wires  Foraging north of causeway. No birds near wires for 25 minutes.  Carrying food south to north over wires  South to north over wires. Had to gain altitude.  South to north over wires  South to north under wires  North to south under wires  North to south under wires  North to south under wires  Heard singing in area  South to north high over wires  Foraging one kilometre north of causeway  Flying south to north – two under wires, one of them carrying food, other three turned and made a second attempt to gain altitude over wires, one of them carrying food as well.  Flying south to north carrying food. One made two attempts to get over wires, the other needed four to get
15:30:00 15:45:00 16:00:00 16:15:00 <i>Wind decreasir</i> 16:15:00	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Double-crested Cormorant American Goldfinch Common Tern Ing 30-40km/hour Northern Gannet  Common Tern Common Tern Double-crested Cormorant	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Spinus tristis Sterna hirundo  Morus bassanus  Sterna hirundo  Sterna hirundo	1 1 2 1 1 2 1 1 2 3 2 2 1 1	South to north under wires  South to south over wires  Foraging north of causeway. No birds near wires for 25 minutes.  Carrying food south to north over wires  South to north over wires. Had to gain altitude.  South to north over wires  South to north under wires  North to south under wires  North to south under wires  North to south under wires  Heard singing in area  South to north high over wires  Foraging one kilometre north of causeway  Flying south to north – two under wires, one of them carrying food, other three turned and made a second attempt to gain altitude over wires, one of them carrying food as well.  Flying south to north carrying food. One made two attempts to get over wires, the other needed four to get over wires.  Flying north to south towards wires. Tried to stop but had
15:30:00 15:45:00 16:00:00 16:15:00 <i>Wind decreasir</i> 16:15:00	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Double-crested Cormorant American Goldfinch Common Tern Northern Gannet  Common Tern Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Spinus tristis Sterna hirundo  Morus bassanus  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas  Phalacrocorax auritas	1 1 2 1 1 2 3 2 2 2 1 1	South to north under wires  South to south over wires  Foraging north of causeway. No birds near wires for 25 minutes.  Carrying food south to north over wires  South to north over wires. Had to gain altitude.  South to north over wires  South to north under wires  North to south under wires  Heard singing in area  South to north high over wires  Foraging one kilometre north of causeway  Flying south to north – two under wires, one of them carrying food, other three turned and made a second attempt to gain altitude over wires, one of them carrying food as well.  Flying south to north carrying food. One made two attempts to get over wires, the other needed four to get over wires.  Flying north to south towards wires. Tried to stop but had too much momentum. Ended up flying very awkwardly between wires.  South to north under wires
15:30:00 15:45:00 16:00:00 16:15:00 Wind decreasin 16:15:00	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern Great Black-backed Gull Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant American Goldfinch Common Tern Northern Gannet  Common Tern Double-crested Cormorant Horthern Gannet  Common Tern Double-crested Cormorant  Common Tern  Common Tern  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Spinus tristis Sterna hirundo  Morus bassanus  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas  Larus argentatus  Phalacrocorax auritas  Larus argentatus	1 1 2 1 1 2 1 1 2 3 2 2 2 1 1 20 5	South to north under wires  South to north under wires  Foraging north of causeway. No birds near wires for 25 minutes.  Carrying food south to north over wires  South to north over wires. Had to gain altitude.  South to north over wires  South to north under wires  North to south under wires  North to south under wires  North to south under wires  North to north over wires  Heard singing in area  South to north high over wires  Foraging one kilometre north of causeway  Flying south to north – two under wires, one of them carrying food, other three turned and made a second attempt to gain altitude over wires, one of them carrying food as well.  Flying south to north carrying food. One made two attempts to get over wires, the other needed four to get over wires.  Flying north to south towards wires. Tried to stop but had too much momentum. Ended up flying very awkwardly between wires.  South to north under wires  North to south over wires
15:30:00 15:45:00 16:00:00 16:15:00 Wind decreasin 16:15:00	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern Great Black-backed Gull Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant American Goldfinch Common Tern Northern Gannet Common Tern Double-crested Cormorant Herring Gull Northern Gannet	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Spinus tristis Sterna hirundo  Morus bassanus  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas  Larus argentatus Phalacrocorax auritas  Sterna hirundo	1 1 2 1 1 2 1 1 2 3 2 2 2 1 1 20 5	South to north under wires  South to north under wires  Foraging north of causeway. No birds near wires for 25 minutes.  Carrying food south to north over wires  South to north over wires. Had to gain altitude.  South to north over wires  South to north under wires  North to south under wires  North to south under wires  North to south under wires  North to north over wires  North to north high over wires  Foraging one kilometre north of causeway  Flying south to north – two under wires, one of them carrying food, other three turned and made a second attempt to gain altitude over wires, one of them carrying food as well.  Flying south to north carrying food. One made two attempts to get over wires, the other needed four to get over wires.  Flying north to south towards wires. Tried to stop but had too much momentum. Ended up flying very awkwardly between wires.  South to north under wires  North to south over wires  North to south over wires
15:30:00  15:45:00  16:00:00  16:15:00  Wind decreasir  16:15:00	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern Great Black-backed Gull Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant American Goldfinch Common Tern Northern Gannet Common Tern Double-crested Cormorant Herring Gull Northern Gannet Double-crested Cormorant Northern Gannet Double-crested Cormorant	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Spinus tristis Sterna hirundo  Morus bassanus  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas  Larus argentatus  Morus bassanus  Phalacrocorax auritas  Sterna hirundo	1 1 2 1 1 2 1 1 2 3 2 2 2 1 1 20 5	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes. Carrying food south to north over wires South to north over wires. Had to gain altitude. South to north over wires South to north under wires North to south under wires North to south under wires North to south under wires Heard singing in area South to north high over wires Foraging one kilometre north of causeway Flying south to north – two under wires, one of them carrying food, other three turned and made a second attempt to gain altitude over wires, one of them carrying food as well. Flying south to north carrying food. One made two attempts to get over wires, the other needed four to get over wires. Flying north to south towards wires. Tried to stop but had too much momentum. Ended up flying very awkwardly between wires. South to north under wires North to south over wires North to south over wires North to south, awkwardly flew between wires.
15:30:00  15:45:00  16:00:00  16:15:00  Wind decreasir  16:15:00	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern Great Black-backed Gull Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant American Goldfinch Common Tern Northern Gannet Common Tern Double-crested Cormorant Herring Gull Northern Gannet Herring Gull Common Tern Common Tern Common Tern Herring Gull Northern Gannet Herring Gull Northern Gannet Herring Gull Northern Gannet Herring Gull	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Spinus tristis Sterna hirundo  Morus bassanus  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas  Larus argentatus  Sterna hirundo  Larus argentatus  Phalacrocorax auritas  Larus argentatus  Morus bassanus  Larus argentatus  Morus bassanus  Larus argentatus  Larus argentatus  Larus argentatus	1 1 1 2 1 1 2 1 1 2 3 2 2 1 1 20 5 2 1 1 1 4 1 1 2 2	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes.  Carrying food south to north over wires South to north over wires. Had to gain altitude. South to north over wires South to north under wires North to south under wires North to south under wires North to south under wires Heard singing in area South to north high over wires  Foraging one kilometre north of causeway Flying south to north – two under wires, one of them carrying food, other three turned and made a second attempt to gain altitude over wires, one of them carrying food as well. Flying south to north carrying food. One made two attempts to get over wires, the other needed four to get over wires. Flying north to south towards wires. Tried to stop but had too much momentum. Ended up flying very awkwardly between wires. South to north under wires North to south over wires
15:30:00  15:45:00  16:00:00  16:15:00  Wind decreasir  16:15:00	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern Great Black-backed Gull Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant American Goldfinch Common Tern Northern Gannet Common Tern Double-crested Cormorant Herring Gull Northern Gannet Double-crested Cormorant Northern Gannet Double-crested Cormorant	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Spinus tristis Sterna hirundo  Morus bassanus  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas  Larus argentatus  Morus bassanus  Phalacrocorax auritas  Sterna hirundo	1 1 2 1 1 2 1 1 2 3 2 2 2 1 1 20 5	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes. Carrying food south to north over wires South to north over wires. Had to gain altitude. South to north over wires South to north under wires North to south under wires North to south under wires North to south under wires Heard singing in area South to north high over wires Foraging one kilometre north of causeway Flying south to north – two under wires, one of them carrying food, other three turned and made a second attempt to gain altitude over wires, one of them carrying food as well. Flying south to north carrying food. One made two attempts to get over wires, the other needed four to get over wires. Flying north to south towards wires. Tried to stop but had too much momentum. Ended up flying very awkwardly between wires. South to north under wires North to south over wires North to south over wires North to south, awkwardly flew between wires.
15:30:00  15:45:00  16:00:00  16:15:00  Wind decreasin  16:15:00  16:30:00	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern Great Black-backed Gull Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant American Goldfinch Common Tern Northern Gannet Common Tern Double-crested Cormorant Herring Gull Northern Gannet Herring Gull Common Tern Common Tern Common Tern Herring Gull Northern Gannet Herring Gull Northern Gannet Herring Gull Northern Gannet Herring Gull	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Spinus tristis Sterna hirundo  Morus bassanus  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas  Larus argentatus  Sterna hirundo  Larus argentatus  Phalacrocorax auritas  Larus argentatus  Morus bassanus  Larus argentatus  Morus bassanus  Larus argentatus  Larus argentatus  Larus argentatus	1 1 1 2 1 1 2 1 1 2 3 2 2 1 1 20 5 2 1 1 1 4 1 1 2 2	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes.  Carrying food south to north over wires South to north over wires. Had to gain altitude. South to north over wires South to north under wires North to south under wires North to south under wires North to south under wires Heard singing in area South to north high over wires  Foraging one kilometre north of causeway Flying south to north – two under wires, one of them carrying food, other three turned and made a second attempt to gain altitude over wires, one of them carrying food as well. Flying south to north carrying food. One made two attempts to get over wires, the other needed four to get over wires. Flying north to south towards wires. Tried to stop but had too much momentum. Ended up flying very awkwardly between wires. South to north under wires North to south over wires
15:30:00  15:45:00  16:00:00  16:15:00  Wind decreasin  16:15:00  16:30:00	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern Great Black-backed Gull Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant American Goldfinch Common Tern Ing 30-40km/hour Northern Gannet Common Tern Double-crested Cormorant Herring Gull Common Tern Double-crested Cormorant Herring Gull Common Tern Double-crested Cormorant Herring Gull Northern Gannet Herring Gull Northern Gannet Herring Gull Common Tern Double-crested Cormorant Double-crested Cormorant Herring Gull Common Tern	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Larus argentatus Phalacrocorax auritas Spinus tristis Sterna hirundo  Morus bassanus  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas Larus argentatus Phalacrocorax auritas  Sterna hirundo  Phalacrocorax auritas Larus argentatus Morus bassanus Larus argentatus Sterna hirundo  Phalacrocorax auritas Sterna hirundo  Phalacrocorax auritas Sterna hirundo	1 1 1 2 1 1 2 1 1 2 3 2 2 1 1 20 5 2 1 1 1 2 2 2 1 1 1 2 2 2 1 1 1 1 1 2 2 2 1 1 1	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes. Carrying food south to north over wires South to north over wires. Had to gain altitude. South to north over wires South to north under wires North to south under wires North to south under wires North to south under wires Heard singing in area South to north high over wires Foraging one kilometre north of causeway Flying south to north – two under wires, one of them carrying food, other three turned and made a second attempt to gain altitude over wires, one of them carrying food as well. Flying south to north carrying food. One made two attempts to get over wires, the other needed four to get over wires. Flying north to south towards wires. Tried to stop but had too much momentum. Ended up flying very awkwardly between wires. South to north under wires North to south over wires North to south over wires North to south, awkwardly flew between wires. North to south over wires Both south to north over wires. One had to gain altitude. North to south under wires South to north over wires, needed two attempts.
15:30:00 15:45:00 16:00:00 16:15:00 <i>Wind decreasir</i> 16:15:00	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern Great Black-backed Gull Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant American Goldfinch Common Tern Northern Gannet Common Tern Double-crested Cormorant Herring Gull Double-crested Cormorant American Goldfinch Common Tern Northern Gannet Common Tern Double-crested Cormorant Herring Gull Northern Gannet Herring Gull Common Tern Double-crested Cormorant Herring Gull Common Tern Double-crested Cormorant Herring Gull Common Tern Double-crested Cormorant	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas Spinus tristis Sterna hirundo  Morus bassanus  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas  Larus argentatus  Phalacrocorax auritas  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas  Larus argentatus  Morus bassanus  Larus argentatus  Sterna hirundo  Phalacrocorax auritas  Larus argentatus  Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Larus argentatus  Sterna hirundo  Larus argentatus	1 1 1 1 2 1 1 2 1 1 2 3 2 2 1 1 20 5 2 1 1 1 2 2 2 1 1 1 3	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes. Carrying food south to north over wires South to north over wires. Had to gain altitude. South to north over wires South to north under wires North to south under wires North to south under wires North to south under wires North to north high over wires Heard singing in area South to north high over wires Foraging one kilometre north of causeway Flying south to north – two under wires, one of them carrying food, other three turned and made a second attempt to gain altitude over wires, one of them carrying food as well. Flying south to north carrying food. One made two attempts to get over wires, the other needed four to get over wires. Flying north to south towards wires. Tried to stop but had too much momentum. Ended up flying very awkwardly between wires. South to north under wires North to south over wires Both south to north over wires. One had to gain altitude. North to south under wires South to north over wires, needed two attempts. North to south over wires, needed two attempts.
15:30:00  15:45:00  16:00:00 16:15:00  Wind decreasir 16:15:00  16:30:00  16:45:00	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern Great Black-backed Gull Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant American Goldfinch Common Tern Northern Gannet Common Tern Double-crested Cormorant Herring Gull Common Tern Common Tern Double-crested Cormorant Herring Gull Northern Gannet Herring Gull Northern Gannet Northern Gannet Herring Gull Common Tern Double-crested Cormorant Herring Gull Common Tern Double-crested Cormorant Herring Gull Common Tern Herring Gull Double-crested Cormorant	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas Spinus tristis Sterna hirundo  Morus bassanus  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas Larus argentatus  Phalacrocorax auritas  Sterna hirundo  Phalacrocorax auritas  Larus argentatus  Morus bassanus  Larus argentatus  Sterna hirundo  Phalacrocorax auritas  Larus argentatus  Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Larus argentatus  Phalacrocorax auritas  Sterna hirundo  Larus argentatus  Phalacrocorax auritas	1 1 1 2 1 1 2 1 1 2 1 1 2 3 2 2 1 1 20 5 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 1 1 1 1 2 1 1 1 1 1 2 1	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes. Carrying food south to north over wires South to north over wires. Had to gain altitude. South to north over wires South to north under wires North to south under wires North to south under wires North to south under wires North to north high over wires Heard singing in area South to north high over wires Foraging one kilometre north of causeway Flying south to north – two under wires, one of them carrying food, other three turned and made a second attempt to gain altitude over wires, one of them carrying food as well. Flying south to north carrying food. One made two attempts to get over wires, the other needed four to get over wires. Flying north to south towards wires. Tried to stop but had too much momentum. Ended up flying very awkwardly between wires. South to north under wires North to south over wires Both south to north over wires. One had to gain altitude. North to south under wires South to north over wires, needed two attempts. North to south over wires, needed two attempts. North to south over wires North to south over wires, needed two attempts. North to south over wires North to south over wires, needed two attempts. North to south under wires
15:30:00  15:45:00  16:00:00  16:15:00  Wind decreasin  16:15:00  16:30:00	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern Great Black-backed Gull Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant American Goldfinch Common Tern Northern Gannet  Common Tern  Double-crested Cormorant  Herring Gull Common Tern  Double-crested Cormorant  American Goldfinch Common Tern  Northern Gannet  Common Tern  Double-crested Cormorant  Herring Gull Northern Gannet Herring Gull Common Tern  Double-crested Cormorant  Herring Gull Common Tern  Double-crested Cormorant  Common Tern  Double-crested Cormorant  Double-crested Cormorant  Common Tern  Herring Gull  Double-crested Cormorant  Common Tern  Herring Gull  Double-crested Cormorant	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas Spinus tristis Sterna hirundo  Morus bassanus  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas Larus argentatus Morus bassanus  Larus argentatus Morus bassanus  Sterna hirundo  Phalacrocorax auritas Larus argentatus Morus bassanus  Morus bassanus  Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Larus argentatus  Phalacrocorax auritas  Phalacrocorax auritas  Phalacrocorax auritas  Phalacrocorax auritas	1 1 1 2 1 1 2 1 1 2 1 1 2 3 2 2 1 1 1 20 5 2 1 1 1 2 2 1 1 1 1 2 2 2 1 1 1 1 1 1	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes. Carrying food south to north over wires South to north over wires. Had to gain altitude. South to north over wires South to north under wires South to north over wires North to south under wires North to south under wires North to south under wires Heard singing in area South to north high over wires Foraging one kilometre north of causeway Flying south to north – two under wires, one of them carrying food, other three turned and made a second attempt to gain altitude over wires, one of them carrying food as well. Flying south to north carrying food. One made two attempts to get over wires, the other needed four to get over wires. Flying north to south towards wires. Tried to stop but had too much momentum. Ended up flying very awkwardly between wires. South to north under wires North to south over wires North to south over wires North to south over wires Both south to north over wires. One had to gain altitude. North to south under wires South to north over wires, needed two attempts. North to south under wires South to north over wires, needed two attempts. North to south under wires North to south under wires South to north over wires, needed two attempts. North to south under wires North to south over wires. Had to gain altitude.
15:30:00  15:45:00  16:00:00 16:15:00  Wind decreasir 16:15:00  16:30:00  16:45:00	Common Tern Double-crested Cormorant Great Black-backed Gull Various gulls Common Tern Great Black-backed Gull Herring Gull Double-crested Cormorant Herring Gull Double-crested Cormorant American Goldfinch Common Tern Northern Gannet Common Tern Double-crested Cormorant Herring Gull Common Tern Common Tern Double-crested Cormorant Herring Gull Northern Gannet Herring Gull Northern Gannet Northern Gannet Herring Gull Common Tern Double-crested Cormorant Herring Gull Common Tern Double-crested Cormorant Herring Gull Common Tern Herring Gull Double-crested Cormorant	Phalacrocorax auritas Larus marinas  Sterna hirundo Larus marinas Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas Spinus tristis Sterna hirundo  Morus bassanus  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas Larus argentatus  Phalacrocorax auritas  Sterna hirundo  Phalacrocorax auritas  Larus argentatus  Morus bassanus  Larus argentatus  Sterna hirundo  Phalacrocorax auritas  Larus argentatus  Sterna hirundo  Phalacrocorax auritas  Sterna hirundo  Larus argentatus  Phalacrocorax auritas  Sterna hirundo  Larus argentatus  Phalacrocorax auritas	1 1 1 2 1 1 2 1 1 2 1 1 2 3 2 2 1 1 20 5 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 1 1 1 1 2 1 1 1 1 1 2 1	South to north under wires South to north under wires North to south over wires Foraging north of causeway. No birds near wires for 25 minutes.  Carrying food south to north over wires South to north over wires. Had to gain altitude. South to north over wires South to north under wires North to south under wires North to south under wires North to south under wires North to north high over wires Heard singing in area South to north high over wires Foraging one kilometre north of causeway Flying south to north – two under wires, one of them carrying food, other three turned and made a second attempt to gain altitude over wires, one of them carrying food as well. Flying south to north carrying food. One made two attempts to get over wires, the other needed four to get over wires. Flying north to south towards wires. Tried to stop but had too much momentum. Ended up flying very awkwardly between wires. South to north under wires North to south over wires Both south to north over wires. One had to gain altitude. North to south under wires South to north over wires, needed two attempts. North to south over wires North to south over wires, needed two attempts. North to south over wires North to south over wires, needed two attempts. North to south over wires North to south over wires North to south over wires, needed two attempts. North to south under wires

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
17:30:00	Common Torr	Ctowns him male		Flying north to south. One went over, other hit wires and
	Common Tern	Sterna hirundo	2	fell into ship canal with an apparent broken wing. Remained alive, but incapable of flight.
18:00:00	Common Tern	Sterna hirundo	1	South to north over wires
	Common Tern	Sterna hirundo	2	South to north under wires
	Common Tern	Sterna hirundo	2	North to south over wires
	Double-crested Cormorant	Phalacrocorax auritas	5	North to south under wires
18:45:00	Herring Gull	Larus argentatus	5	North to south over wires
	Herring Gull	Larus argentatus	1	North to south under wires through ship canal
	Northern Gannet	Morus bassanus	1	South to north over wires
	Herring Gull	Larus argentatus	1	South to north under wires
19:00:00	Northern Gannet	Morus bassanus	1	North to south over wires
	Great Black-backed Gull	Larus marinas	1	South to north under wires
	Northern Gannet	Morus bassanus	1	North to south over wires. Had to gain altitude.
	Common Tern	Sterna hirundo	1	Carrying food south to north over land east of causeway
	Northern Mockingbird	Mimus polyglottos	1	Looked like it had recently come across causeway

Species	Number of Individuals Observed
Alder Flycatcher	1
American Black Duck	2
American Crow	8
American Goldfinch	2
American Robin	1
Bald Eagle	4
Belted Kingfisher	1
Black-and-white Warbler	1
Blackburnian Warbler	1
Blue-headed Vireo	1
Chipping Sparrow	1
Common Loon	5
Common Raven	1
Common Tern	61
Double-crested Cormorant	37
Great Black-backed Gull	22
Great Blue Heron	2
Herring Gull	44
Magnolia Warbler	1
Merlin	1
Northern Flicker	1
Northern Gannet	107
Northern Mockingbird	1
Osprey	1
Pine Siskin	0
Ring-necked Duck	1
Song Sparrow	1
Spotted Sandpiper	1
Yellow Warbler	1
TOTAL	311

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
Cloudy, Wind 2 05:00:00		Cotonhago natastri-		Hoard singing
05:00:00	Yellow Warbler	Setophaga petechia	1	Heard singing
	Song Sparrow	Melospiza melodia	1	Heard singing
05:45:00	American Robin	Turdus migratorius	1	Heard singing
05:15:00	Double-crested Cormorant	Phalacrocorax auritas	3	Flying high over wires north to south
	Herring Gull	Larus argentatus	2	North to south over wires
	Double-crested Cormorant	Phalacrocorax auritas	2	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south over wires
05:30:00	Common Tern	Sterna hirundo	2	Foraging south of causeway
	Herring Gull	Larus argentatus	1	Flying north towards wires, turned around at last second,
				went over wires on second approach.
	Common Loon	Gavia immer	1	North to south over wires
	Common Tern	Sterna hirundo	1	Flew between wires north to south, tried to stop at last second, did awkward spin through wires. Close call.
	Northern Gannet	Morus bassanus	1	South to north over wires
	Common Tern	Sterna hirundo	1	Carrying food south to north. Appeared to come very close
				to hitting wires.
	Herring Gull	Larus argentatus	2	Foraging under wires near causeway
05:45:00	Double-crested Cormorant	Phalacrocorax auritas	2	Under wires south to north
	Common Tern	Sterna hirundo	1	Carrying food south to north. Backed off lines first
				approach. Made it over wires on second try.
	Northern Gannet	Morus bassanus	1	North to south over wires
	Osprey	Pandion haliaetus	2	Harassing Bald Eagle. Eagle below wires, Osprey flying between them. Osprey close to wires but no incident.
	Bald Eagle	Haliaeetus leucocephalus	1	Being harassed by Ospreys. Flew under wires.
06:00:00	Northern Gannet	Morus bassanus	1	South to north over wires
	Common Tern	Sterna hirundo	1	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
	Common Tern	Sterna hirundo	1	South to north under wires through ship canal
	Common rem	Sterria fili unuo	ı ı	South to north under wires through ship canal
	Herring Gull	Larus argentatus	1	North to south over wires. Had to make two approaches.
	Herring Gull	Larus argentatus	1	South to north over wires
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
			<u> </u>	
00:45:00	Herring Gull	Larus argentatus	1	South to north over wires
06:15:00	Double-crested Cormorant	Phalacrocorax auritas	3	South to north under wires
	Common Tern	Sterna hirundo	1	Carrying food south to north over wires
	Ruby-throated Hummingbird	Archilochus colubris	1	Chasing starlings near causeway
	O			
	Common Tern	Sterna hirundo	1	South to north under wires
	Common Loon	Sterna hirundo  Gavia immer	1	South to north under wires  South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.
		Gavia immer		South to north between wires, tried to stop but had too
06:30:00	Common Loon Common Grackle	Gavia immer  Quiscalus quiscula	1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.
06:30:00	Common Loon  Common Grackle  Bald Eagle	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus	1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway  South to north under wires
06:30:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia	1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway  South to north under wires  Heard singing
06:30:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis	1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway  South to north under wires  Heard singing  Heard singing
	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis  Sterna hirundo	1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway  South to north under wires  Heard singing  Heard singing  South to north under wires
	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis  Sterna hirundo  Phalacrocorax auritas	1 1 1 1 1 1 2	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway South to north under wires Heard singing Heard singing South to north under wires South to north under wires
	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis  Sterna hirundo  Phalacrocorax auritas  Gavia immer	1 1 1 1 1 1 2	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway  South to north under wires  Heard singing  Heard singing  South to north under wires  South to north under wires  South to north over wires
	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis  Sterna hirundo  Phalacrocorax auritas  Gavia immer  Gavia immer	1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway  South to north under wires  Heard singing  Heard singing  South to north under wires  South to north under wires  South to north over wires  South to north over wires
06:30:00 06:45:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon  American Redstart	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis  Sterna hirundo  Phalacrocorax auritas  Gavia immer  Gavia immer  Setophaga ruticilla	1 1 1 1 1 1 2 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway  South to north under wires  Heard singing  South to north under wires  South to north under wires  South to north under wires  South to north over wires  South to north under wires  Heard singing
06:45:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon  American Redstart  American Robin	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis  Sterna hirundo  Phalacrocorax auritas  Gavia immer  Gavia immer  Setophaga ruticilla  Turdus migratorius	1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway  South to north under wires  Heard singing  South to north under wires  South to north under wires  South to north under wires  South to north over wires  South to north under wires  Heard singing  Heard singing
06:45:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon  American Redstart  American Robin  Blue Jay	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis  Sterna hirundo  Phalacrocorax auritas  Gavia immer  Gavia immer  Setophaga ruticilla  Turdus migratorius  Cyanocitta cristata	1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway South to north under wires Heard singing Heard singing South to north under wires South to north under wires South to north under wires South to north over wires South to north under wires Heard singing Heard singing Heard calling
06:45:00 06:45:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis  Sterna hirundo  Phalacrocorax auritas  Gavia immer  Gavia immer  Setophaga ruticilla  Turdus migratorius  Cyanocitta cristata  Actitis macularius	1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway South to north under wires Heard singing Heard singing South to north under wires South to north under wires South to north over wires South to north under wires Heard singing Heard singing Heard singing Heard calling Seen on rocks near causeway
06:45:00 06:45:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon  American Redstart  American Robin  Blue Jay	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis  Sterna hirundo  Phalacrocorax auritas  Gavia immer  Gavia immer  Setophaga ruticilla  Turdus migratorius  Cyanocitta cristata	1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway  South to north under wires  Heard singing  South to north under wires  South to north under wires  South to north over wires  South to north under wires  Heard singing  Heard singing  Heard singing  Heard singing  Heard calling  Seen on rocks near causeway  North to south under wires
	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis  Sterna hirundo  Phalacrocorax auritas  Gavia immer  Gavia immer  Setophaga ruticilla  Turdus migratorius  Cyanocitta cristata  Actitis macularius	1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway  South to north under wires  Heard singing  South to north under wires  South to north under wires  South to north under wires  South to north over wires  South to north under wires  Heard singing  Heard singing  Heard calling  Seen on rocks near causeway  North to south under wires  Approached wires from the north, backed off at last
06:45:00 06:45:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis  Sterna hirundo  Phalacrocorax auritas  Gavia immer  Gavia immer  Setophaga ruticilla  Turdus migratorius  Cyanocitta cristata  Actitis macularius  Haliaeetus leucocephalus  Sterna hirundo	1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway South to north under wires Heard singing South to north under wires Heard singing Heard singing Heard singing Heard calling Seen on rocks near causeway North to south under wires Approached wires from the north, backed off at last second three times, finally went over north to south.
06:45:00 06:45:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis  Sterna hirundo  Phalacrocorax auritas  Gavia immer  Gavia immer  Setophaga ruticilla  Turdus migratorius  Cyanocitta cristata  Actitis macularius  Haliaeetus leucocephalus  Sterna hirundo  Sterna hirundo	1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway South to north under wires Heard singing Heard singing South to north under wires Heard singing Heard singing Heard singing Heard calling Seen on rocks near causeway North to south under wires Approached wires from the north, backed off at last second three times, finally went over north to south. Carrying food south to north under wires
06:45:00 06:45:00 07:00:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Tern  Common Loon	Gavia immer  Quiscalus quiscula Haliaeetus leucocephalus Setophaga magnolia Zonotrichia albicollis Sterna hirundo Phalacrocorax auritas Gavia immer Gavia immer Setophaga ruticilla Turdus migratorius Cyanocitta cristata Actitis macularius Haliaeetus leucocephalus Sterna hirundo Sterna hirundo Gavia immer	1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway South to north under wires Heard singing Heard singing South to north under wires Heard singing Heard singing Heard singing Heard calling Seen on rocks near causeway North to south under wires Approached wires from the north, backed off at last second three times, finally went over north to south. Carrying food south to north under wires South to north over wires
06:45:00 06:45:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Tern  Common Loon  Red Crossbill	Gavia immer  Quiscalus quiscula Haliaeetus leucocephalus Setophaga magnolia Zonotrichia albicollis Sterna hirundo Phalacrocorax auritas Gavia immer Gavia immer Setophaga ruticilla Turdus migratorius Cyanocitta cristata Actitis macularius Haliaeetus leucocephalus Sterna hirundo Sterna hirundo Gavia immer Loxia curvirostra	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway South to north under wires Heard singing Heard singing South to north under wires Heard singing Heard singing Heard singing Heard calling Seen on rocks near causeway North to south under wires Approached wires from the north, backed off at last second three times, finally went over north to south. Carrying food south to north under wires South to north over wires Circling above wires, lost track of direction
06:45:00 06:45:00 07:00:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Tern  Common Loon  Red Crossbill  Great Black-backed Gull	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis  Sterna hirundo  Phalacrocorax auritas  Gavia immer  Gavia immer  Setophaga ruticilla  Turdus migratorius  Cyanocitta cristata  Actitis macularius  Haliaeetus leucocephalus  Sterna hirundo  Sterna hirundo  Gavia immer  Loxia curvirostra  Larus marinas	1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway South to north under wires Heard singing South to north under wires Heard singing Heard singing Heard singing Heard calling Seen on rocks near causeway North to south under wires Approached wires from the north, backed off at last second three times, finally went over north to south. Carrying food south to north under wires South to north over wires Circling above wires, lost track of direction North to south over wires. Made several approaches.
06:45:00 06:45:00 07:00:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Tern  Common Loon  Red Crossbill	Gavia immer  Quiscalus quiscula Haliaeetus leucocephalus Setophaga magnolia Zonotrichia albicollis Sterna hirundo Phalacrocorax auritas Gavia immer Gavia immer Setophaga ruticilla Turdus migratorius Cyanocitta cristata Actitis macularius Haliaeetus leucocephalus Sterna hirundo Sterna hirundo Gavia immer Loxia curvirostra	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway South to north under wires Heard singing Heard singing South to north under wires Heard singing Heard singing Heard singing Heard calling Seen on rocks near causeway North to south under wires Approached wires from the north, backed off at last second three times, finally went over north to south. Carrying food south to north under wires South to north over wires Circling above wires, lost track of direction
06:45:00 06:45:00 07:00:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Tern  Common Loon  Red Crossbill  Great Black-backed Gull	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis  Sterna hirundo  Phalacrocorax auritas  Gavia immer  Gavia immer  Setophaga ruticilla  Turdus migratorius  Cyanocitta cristata  Actitis macularius  Haliaeetus leucocephalus  Sterna hirundo  Sterna hirundo  Gavia immer  Loxia curvirostra  Larus marinas	1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway South to north under wires Heard singing South to north under wires Heard singing Heard singing Heard singing Heard calling Seen on rocks near causeway North to south under wires Approached wires from the north, backed off at last second three times, finally went over north to south. Carrying food south to north under wires South to north over wires Circling above wires, lost track of direction North to south over wires. Made several approaches.
06:45:00 06:45:00 07:00:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Tern  Common Loon  Red Crossbill  Great Black-backed Gull  Double-crested Cormorant	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis  Sterna hirundo  Phalacrocorax auritas  Gavia immer  Gavia immer  Setophaga ruticilla  Turdus migratorius  Cyanocitta cristata  Actitis macularius  Haliaeetus leucocephalus  Sterna hirundo  Sterna hirundo  Gavia immer  Loxia curvirostra  Larus marinas  Phalacrocorax auritas	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway South to north under wires Heard singing Heard singing South to north under wires Heard singing Heard singing Heard singing Heard calling Seen on rocks near causeway North to south under wires Approached wires from the north, backed off at last second three times, finally went over north to south. Carrying food south to north under wires South to north over wires Circling above wires, lost track of direction North to south over wires. South to north over wires.
06:45:00 06:45:00 07:00:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Tern  Common Loon  Red Crossbill  Great Black-backed Gull  Double-crested Cormorant  Common Tern	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis  Sterna hirundo  Phalacrocorax auritas  Gavia immer  Gavia immer  Setophaga ruticilla  Turdus migratorius  Cyanocitta cristata  Actitis macularius  Haliaeetus leucocephalus  Sterna hirundo  Sterna hirundo  Gavia immer  Loxia curvirostra  Larus marinas  Phalacrocorax auritas  Sterna hirundo	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway South to north under wires Heard singing Heard singing South to north under wires Heard singing Heard singing Heard singing Heard calling Seen on rocks near causeway North to south under wires Approached wires from the north, backed off at last second three times, finally went over north to south. Carrying food south to north under wires South to north over wires Circling above wires, lost track of direction North to south over wires South to north over wires South to north over wires South to north over wires
06:45:00 06:45:00 07:00:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Loon  Red Crossbill  Great Black-backed Gull  Double-crested Cormorant  Common Tern  Common Tern  Herring Gull	Gavia immer  Quiscalus quiscula Haliaeetus leucocephalus Setophaga magnolia Zonotrichia albicollis Sterna hirundo Phalacrocorax auritas Gavia immer Gavia immer Setophaga ruticilla Turdus migratorius Cyanocitta cristata Actitis macularius Haliaeetus leucocephalus Sterna hirundo Sterna hirundo Gavia immer Loxia curvirostra Larus marinas Phalacrocorax auritas Sterna hirundo Larus argentatus	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway South to north under wires Heard singing Heard singing South to north under wires Heard singing Heard singing Heard singing Heard calling Seen on rocks near causeway North to south under wires Approached wires from the north, backed off at last second three times, finally went over north to south. Carrying food south to north under wires South to north over wires Circling above wires, lost track of direction North to south over wires. South to north over wires Flying high over wires north to south
06:45:00 06:45:00 07:00:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Loon  Red Crossbill  Great Black-backed Gull  Double-crested Cormorant  Common Tern  Herring Gull  Common Tern	Gavia immer  Quiscalus quiscula Haliaeetus leucocephalus Setophaga magnolia Zonotrichia albicollis Sterna hirundo Phalacrocorax auritas Gavia immer Gavia immer Setophaga ruticilla Turdus migratorius Cyanocitta cristata Actitis macularius Haliaeetus leucocephalus Sterna hirundo Gavia immer Loxia curvirostra Larus marinas Phalacrocorax auritas Sterna hirundo Larus argentatus Sterna hirundo	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway South to north under wires Heard singing Heard singing South to north under wires Heard singing Heard singing Heard singing Heard calling Seen on rocks near causeway North to south under wires Approached wires from the north, backed off at last second three times, finally went over north to south. Carrying food south to north under wires South to north over wires Circling above wires, lost track of direction North to south over wires. Made several approaches. South to north over wires Flying high over wires north to south North to south over wires
06:45:00 06:45:00 07:00:00 07:15:00 07:30:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Loon  Red Crossbill  Great Black-backed Gull  Double-crested Cormorant  Common Tern  Herring Gull  Common Tern  Double-crested Cormorant	Gavia immer  Quiscalus quiscula Haliaeetus leucocephalus Setophaga magnolia Zonotrichia albicollis Sterna hirundo Phalacrocorax auritas Gavia immer Gavia immer Setophaga ruticilla Turdus migratorius Cyanocitta cristata Actitis macularius Haliaeetus leucocephalus Sterna hirundo Sterna hirundo Gavia immer Loxia curvirostra Larus marinas Phalacrocorax auritas Sterna hirundo Larus argentatus Sterna hirundo Phalacrocorax auritas	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway South to north under wires Heard singing Heard singing South to north under wires Heard singing Heard singing Heard singing Heard calling Seen on rocks near causeway North to south under wires Approached wires from the north, backed off at last second three times, finally went over north to south. Carrying food south to north under wires South to north over wires Circling above wires, lost track of direction North to south over wires. Made several approaches. South to north over wires South to north over wires Flying high over wires north to south North to south over wires South to north over wires Flying high over wires through ship canal
06:45:00 06:45:00 07:00:00 07:15:00 07:30:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Loon  Red Crossbill  Great Black-backed Gull  Double-crested Cormorant  Common Tern  Herring Gull  Common Tern  Double-crested Cormorant  Common Loon  Double-crested Cormorant	Gavia immer  Quiscalus quiscula Haliaeetus leucocephalus Setophaga magnolia Zonotrichia albicollis Sterna hirundo Phalacrocorax auritas Gavia immer Gavia immer Setophaga ruticilla Turdus migratorius Cyanocitta cristata Actitis macularius Haliaeetus leucocephalus Sterna hirundo Sterna hirundo Gavia immer Loxia curvirostra Larus marinas Phalacrocorax auritas Sterna hirundo Larus argentatus Sterna hirundo Phalacrocorax auritas Gavia immer Phalacrocorax auritas Gavia immer Phalacrocorax auritas	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway South to north under wires Heard singing Heard singing South to north under wires South to north under wires South to north over wires South to north under wires Heard singing Heard singing Heard singing Heard calling Seen on rocks near causeway North to south under wires Approached wires from the north, backed off at last second three times, finally went over north to south. Carrying food south to north under wires South to north over wires Circling above wires, lost track of direction North to south over wires. Made several approaches. South to north over wires South to north over wires Flying high over wires north to south North to south over wires South to north under wires through ship canal South to north over wires South to north over wires South to north over wires
06:45:00 06:45:00 07:00:00 07:15:00 07:30:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Loon  Red Crossbill  Great Black-backed Gull  Double-crested Cormorant  Common Tern  Herring Gull  Common Tern  Double-crested Cormorant  Common Loon  Double-crested Cormorant	Gavia immer  Quiscalus quiscula Haliaeetus leucocephalus Setophaga magnolia Zonotrichia albicollis Sterna hirundo Phalacrocorax auritas Gavia immer Gavia immer Setophaga ruticilla Turdus migratorius Cyanocitta cristata Actitis macularius Haliaeetus leucocephalus Sterna hirundo Gavia immer Loxia curvirostra Larus marinas Phalacrocorax auritas Sterna hirundo Larus argentatus Sterna hirundo Phalacrocorax auritas Gavia immer Phalacrocorax auritas Gavia immer Phalacrocorax auritas Phalacrocorax auritas	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway South to north under wires Heard singing Heard singing South to north under wires South to north under wires South to north over wires South to north under wires Heard singing Heard singing Heard singing Heard calling Seen on rocks near causeway North to south under wires Approached wires from the north, backed off at last second three times, finally went over north to south. Carrying food south to north under wires South to north over wires Circling above wires, lost track of direction North to south over wires. Made several approaches. South to north over wires Flying high over wires north to south North to south over wires South to north under wires through ship canal South to north under wires South to north under wires South to north over wires South to north over wires South to north under wires through ship canal South to north under wires South to north under wires South to north under wires
06:45:00 06:45:00 07:00:00 07:15:00 07:30:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Loon  Red Crossbill  Great Black-backed Gull  Double-crested Cormorant  Common Tern  Herring Gull  Common Tern  Double-crested Cormorant  Common Loon  Double-crested Cormorant  Common Loon	Gavia immer  Quiscalus quiscula Haliaeetus leucocephalus Setophaga magnolia Zonotrichia albicollis Sterna hirundo Phalacrocorax auritas Gavia immer Gavia immer Setophaga ruticilla Turdus migratorius Cyanocitta cristata Actitis macularius Haliaeetus leucocephalus Sterna hirundo Sterna hirundo Gavia immer Loxia curvirostra Larus marinas Phalacrocorax auritas Sterna hirundo Larus argentatus Sterna hirundo Phalacrocorax auritas Gavia immer Phalacrocorax auritas	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway  South to north under wires  Heard singing  Heard singing  South to north under wires  Heard singing  Heard singing  Heard singing  Heard calling  Seen on rocks near causeway  North to south under wires  Approached wires from the north, backed off at last second three times, finally went over north to south.  Carrying food south to north under wires  South to north over wires  Circling above wires, lost track of direction  North to south over wires. Made several approaches.  South to north over wires  South to north over wires  Flying high over wires north to south  North to south over wires  South to north under wires through ship canal  South to north under wires  South to north over wires  South to north under wires  South to north over wires
06:45:00 06:45:00 07:00:00 07:15:00 07:30:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Loon  Red Crossbill  Great Black-backed Gull  Double-crested Cormorant  Common Tern  Herring Gull  Common Tern  Double-crested Cormorant  Common Loon  Double-crested Cormorant  Common Loon  Double-crested Cormorant	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis  Sterna hirundo  Phalacrocorax auritas  Gavia immer  Gavia immer  Setophaga ruticilla  Turdus migratorius  Cyanocitta cristata  Actitis macularius  Haliaeetus leucocephalus  Sterna hirundo  Sterna hirundo  Gavia immer  Loxia curvirostra  Larus marinas  Phalacrocorax auritas  Sterna hirundo  Larus argentatus  Sterna hirundo  Phalacrocorax auritas  Gavia immer  Phalacrocorax auritas	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway  South to north under wires  Heard singing  Heard singing  South to north under wires  Heard singing  Heard singing  Heard singing  Heard calling  Seen on rocks near causeway  North to south under wires  Approached wires from the north, backed off at last second three times, finally went over north to south.  Carrying food south to north under wires  South to north over wires  Circling above wires, lost track of direction  North to south over wires. Made several approaches.  South to north over wires  South to north over wires  Flying high over wires north to south  North to south over wires  South to north under wires through ship canal  South to north over wires  South to north under wires  North to south over wires  South to north under wires  North to south over wires  South to north under wires  South to north under wires  South to north under wires  South to north over wires
06:45:00 06:45:00 07:00:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Double-crested Cormorant  Common Tern  Double-crested Cormorant  Common Loon  Double-crested Cormorant  Common Loon  Double-crested Cormorant	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis  Sterna hirundo  Phalacrocorax auritas  Gavia immer  Gavia immer  Setophaga ruticilla  Turdus migratorius  Cyanocitta cristata  Actitis macularius  Haliaeetus leucocephalus  Sterna hirundo  Sterna hirundo  Gavia immer  Loxia curvirostra  Larus marinas  Phalacrocorax auritas  Sterna hirundo  Larus argentatus  Sterna hirundo  Phalacrocorax auritas  Gavia immer  Phalacrocorax auritas	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway  South to north under wires  Heard singing  Heard singing  South to north under wires  Heard singing  Heard singing  Heard singing  Heard calling  Seen on rocks near causeway  North to south under wires  Approached wires from the north, backed off at last second three times, finally went over north to south.  Carrying food south to north under wires  South to north over wires  Circling above wires, lost track of direction  North to south over wires. Made several approaches.  South to north over wires  Flying high over wires north to south  North to south over wires  South to north under wires through ship canal  South to north over wires  South to north under wires
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06:45:00 06:45:00 07:00:00 07:15:00 07:30:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Loon  Red Crossbill  Great Black-backed Gull  Double-crested Cormorant  Common Tern  Herring Gull  Common Tern  Double-crested Cormorant  Common Loon  Double-crested Cormorant  Common Loon  Double-crested Cormorant	Gavia immer  Quiscalus quiscula Haliaeetus leucocephalus Setophaga magnolia Zonotrichia albicollis Sterna hirundo Phalacrocorax auritas Gavia immer Gavia immer Setophaga ruticilla Turdus migratorius Cyanocitta cristata Actitis macularius Haliaeetus leucocephalus Sterna hirundo Gavia immer Loxia curvirostra Larus marinas Phalacrocorax auritas Sterna hirundo Larus argentatus Sterna hirundo Phalacrocorax auritas Gavia immer Phalacrocorax auritas Phalacrocorax auritas Gravia immer Phalacrocorax auritas	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway South to north under wires Heard singing South to north under wires Heard singing Heard singing Heard singing Heard calling Seen on rocks near causeway North to south under wires Approached wires from the north, backed off at last second three times, finally went over north to south. Carrying food south to north under wires South to north over wires Circling above wires, lost track of direction North to south over wires. Made several approaches. South to north over wires South to north over wires Flying high over wires north to south North to south over wires South to north under wires through ship canal South to north under wires South to north under wires North to south over wires South to north under wires South to north over wires
06:45:00 06:45:00 07:00:00 07:15:00 07:30:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Loon  Red Crossbill  Great Black-backed Gull  Double-crested Cormorant  Common Tern  Herring Gull  Common Tern  Double-crested Cormorant  Common Loon  Double-crested Cormorant  Common Tern	Gavia immer  Quiscalus quiscula  Haliaeetus leucocephalus  Setophaga magnolia  Zonotrichia albicollis  Sterna hirundo  Phalacrocorax auritas  Gavia immer  Gavia immer  Setophaga ruticilla  Turdus migratorius  Cyanocitta cristata  Actitis macularius  Haliaeetus leucocephalus  Sterna hirundo  Sterna hirundo  Gavia immer  Loxia curvirostra  Larus marinas  Phalacrocorax auritas  Sterna hirundo  Larus argentatus  Sterna hirundo  Phalacrocorax auritas  Gavia immer  Phalacrocorax auritas  Fhalacrocorax auritas  Phalacrocorax auritas	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway  South to north under wires  Heard singing  South to north under wires  Heard singing  Heard singing  Heard calling  Seen on rocks near causeway  North to south under wires  Approached wires from the north, backed off at last second three times, finally went over north to south.  Carrying food south to north under wires  South to north over wires  Circling above wires, lost track of direction  North to south over wires. Made several approaches.  South to north over wires  South to north over wires  Flying high over wires north to south  North to south over wires  South to north under wires through ship canal  South to north under wires  South to north over wires  Carrying food south to north over wires
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06:45:00 06:45:00 07:00:00 07:15:00 07:30:00 07:45:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Loon  Red Crossbill  Great Black-backed Gull  Double-crested Cormorant  Common Tern  Herring Gull  Common Tern  Double-crested Cormorant  Common Loon  Double-crested Cormorant  Tommon Loon  Double-crested Cormorant  Common Tern  Double-crested Cormorant  Common Tern  Common Tern  Common Tern  Common Tern  Common Tern  Common Tern	Gavia immer  Quiscalus quiscula Haliaeetus leucocephalus Setophaga magnolia Zonotrichia albicollis Sterna hirundo Phalacrocorax auritas Gavia immer Gavia immer Setophaga ruticilla Turdus migratorius Cyanocitta cristata Actitis macularius Haliaeetus leucocephalus Sterna hirundo Sterna hirundo Gavia immer Loxia curvirostra Larus marinas Phalacrocorax auritas Sterna hirundo Larus argentatus Sterna hirundo Phalacrocorax auritas Gavia immer Phalacrocorax auritas Sterna hirundo Phalacrocorax auritas Fhalacrocorax auritas Phalacrocorax auritas Sterna hirundo Sterna hirundo Phalacrocorax auritas Sterna hirundo	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway  South to north under wires  Heard singing  South to north under wires  Heard singing  Heard singing  Heard calling  Seen on rocks near causeway  North to south under wires  Approached wires from the north, backed off at last second three times, finally went over north to south.  Carrying food south to north under wires  South to north over wires  Circling above wires, lost track of direction  North to south over wires. Made several approaches.  South to north over wires  South to north over wires  South to north over wires  South to north under wires through ship canal  South to north under wires  South to north under wires  South to north over wires  South to north over wires  South to north under wires  South to north over wires
06:45:00 06:45:00 07:00:00 07:15:00 07:30:00 07:45:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Loon  Red Crossbill  Great Black-backed Gull  Double-crested Cormorant  Common Tern  Herring Gull  Common Tern  Double-crested Cormorant  Common Loon  Double-crested Cormorant  Tombouble-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Common Tern  Double-crested Cormorant  Common Tern	Gavia immer  Quiscalus quiscula Haliaeetus leucocephalus Setophaga magnolia Zonotrichia albicollis Sterna hirundo Phalacrocorax auritas Gavia immer Gavia immer Setophaga ruticilla Turdus migratorius Cyanocitta cristata Actitis macularius Haliaeetus leucocephalus Sterna hirundo Sterna hirundo Gavia immer Loxia curvirostra Larus marinas Phalacrocorax auritas Sterna hirundo Larus argentatus Sterna hirundo Phalacrocorax auritas Gavia immer Phalacrocorax auritas Tachycineta bicolor Phalacrocorax auritas Phalacrocorax auritas Tachycineta bicolor Phalacrocorax auritas Sterna hirundo Sterna hirundo Phalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas Sterna hirundo Sterna hirundo Sterna hirundo Sterna hirundo	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway South to north under wires Heard singing Heard singing South to north under wires South to north under wires South to north under wires Heard singing Heard singing Heard singing Heard singing Heard singing Heard singing Heard calling Seen on rocks near causeway North to south under wires Approached wires from the north, backed off at last second three times, finally went over north to south. Carrying food south to north under wires South to north over wires Circling above wires, lost track of direction North to south over wires. Made several approaches. South to north over wires South to north over wires South to north over wires South to north under wires through ship canal South to north under wires South to north over wires
06:45:00 06:45:00 07:00:00 07:15:00 07:30:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Loon  Red Crossbill  Great Black-backed Gull  Double-crested Cormorant  Common Tern  Herring Gull  Common Tern  Double-crested Cormorant  Common Loon  Double-crested Cormorant  Tommon Loon  Double-crested Cormorant  Common Tern  Double-crested Cormorant  Common Tern  Common Tern  Common Tern  Common Tern  Common Tern  Common Tern	Gavia immer  Quiscalus quiscula Haliaeetus leucocephalus Setophaga magnolia Zonotrichia albicollis Sterna hirundo Phalacrocorax auritas Gavia immer Gavia immer Setophaga ruticilla Turdus migratorius Cyanocitta cristata Actitis macularius Haliaeetus leucocephalus Sterna hirundo Sterna hirundo Gavia immer Loxia curvirostra Larus marinas Phalacrocorax auritas Sterna hirundo Larus argentatus Sterna hirundo Phalacrocorax auritas Gavia immer Phalacrocorax auritas Sterna hirundo Phalacrocorax auritas Fhalacrocorax auritas Phalacrocorax auritas Sterna hirundo Sterna hirundo Phalacrocorax auritas Sterna hirundo	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway  South to north under wires  Heard singing  South to north under wires  Heard singing  Heard singing  Heard calling  Seen on rocks near causeway  North to south under wires  Approached wires from the north, backed off at last second three times, finally went over north to south.  Carrying food south to north under wires  South to north over wires  Circling above wires, lost track of direction  North to south over wires. Made several approaches.  South to north over wires  South to north over wires  Flying high over wires north to south  North to south over wires  South to north under wires  South to north under wires  South to north over wires  South to north over wires  South to north under wires  South to north over wires  South to north under wires  South to north over wi
06:45:00 06:45:00 07:00:00 07:15:00 07:30:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  American Redstart  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Loon  Red Crossbill  Great Black-backed Gull  Double-crested Cormorant  Common Tern  Herring Gull  Common Tern  Double-crested Cormorant  Common Loon  Double-crested Cormorant  Tree Swallow  Double-crested Cormorant  Double-crested Cormorant  Common Tern  Common Tern  Common Tern  Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Double-crested Cormorant  Common Tern	Gavia immer  Quiscalus quiscula Haliaeetus leucocephalus Setophaga magnolia Zonotrichia albicollis Sterna hirundo Phalacrocorax auritas Gavia immer Gavia immer Setophaga ruticilla Turdus migratorius Cyanocitta cristata Actitis macularius Haliaeetus leucocephalus Sterna hirundo Gavia immer Loxia curvirostra Larus marinas Phalacrocorax auritas Sterna hirundo Larus argentatus Sterna hirundo Phalacrocorax auritas Gavia immer  Fhalacrocorax auritas Sterna hirundo Larus argentatus Sterna hirundo Phalacrocorax auritas Gavia immer Phalacrocorax auritas Fhalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas Sterna hirundo Sterna hirundo Sterna hirundo Phalacrocorax auritas Sterna hirundo Phalacrocorax auritas Sterna hirundo Phalacrocorax auritas Sterna hirundo	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway  South to north under wires  Heard singing  South to north under wires  Heard singing  Heard singing  Heard calling  Seen on rocks near causeway  North to south under wires  Approached wires from the north, backed off at last second three times, finally went over north to south.  Carrying food south to north under wires  South to north over wires  Circling above wires, lost track of direction  North to south over wires. Made several approaches.  South to north over wires  South to north over wires  South to north over wires  South to north under wires through ship canal  South to north under wires  South to north over wires  South to nor
06:45:00 06:45:00 07:00:00 07:15:00 07:30:00 07:45:00	Common Loon  Common Grackle  Bald Eagle  Magnolia Warbler  White-throated Sparrow  Common Tern  Double-crested Cormorant  Common Loon  American Redstart  American Robin  Blue Jay  Spotted Sandpiper  Bald Eagle  Common Tern  Common Tern  Common Loon  Red Crossbill  Great Black-backed Gull  Double-crested Cormorant  Common Tern  Herring Gull  Common Tern  Double-crested Cormorant  Common Loon  Double-crested Cormorant  Tree Swallow  Double-crested Cormorant  Double-crested Cormorant  Common Tern  Double-crested Cormorant  Common Tern  Double-crested Cormorant  Double-crested Cormorant  Common Tern  Double-crested Cormorant  Common Tern  Common Tern  Common Tern  Common Tern  Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Common Tern  Double-crested Cormorant  Common Tern  Double-crested Cormorant  Common Tern	Gavia immer  Quiscalus quiscula Haliaeetus leucocephalus Setophaga magnolia Zonotrichia albicollis Sterna hirundo Phalacrocorax auritas Gavia immer Gavia immer Setophaga ruticilla Turdus migratorius Cyanocitta cristata Actitis macularius Haliaeetus leucocephalus Sterna hirundo Gavia immer Loxia curvirostra Larus marinas Phalacrocorax auritas Sterna hirundo Larus argentatus Sterna hirundo Phalacrocorax auritas Gavia immer  Loxia curvirostra Larus marinas Phalacrocorax auritas Sterna hirundo Phalacrocorax auritas Gavia immer Phalacrocorax auritas Fhalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas Sterna hirundo Sterna hirundo Sterna hirundo Phalacrocorax auritas Sterna hirundo Phalacrocorax auritas Sterna hirundo Phalacrocorax auritas Sterna hirundo	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to north between wires, tried to stop but had too much momentum. Went through awkwardly. Close call.  Flew between wires east of causeway  South to north under wires  Heard singing  Heard singing  South to north under wires  South to north under wires  South to north under wires  South to north over wires  South to north under wires  Heard singing  Heard singing  Heard calling  Seen on rocks near causeway  North to south under wires  Approached wires from the north, backed off at last second three times, finally went over north to south.  Carrying food south to north under wires  South to north over wires  Circling above wires, lost track of direction  North to south over wires. Made several approaches.  South to north over wires  South to north under wires  South to north over wires  South to north under wires  South to north over wires  South to north ov

Time of Day	Common Name	Scientific Name		Species Behaviour
08:30:00	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires  Carrying food south to north, had trouble getting over
	Common Tern	Sterna hirundo	1	wires.
	Northern Gannet	Morus bassanus	1	South to north over wires
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
08:45:00	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
	Common Tern	Sterna hirundo	1	Flying South to North over wires. Had to gain alt
	Herring Gull	Larus argentatus	1	North to south under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
09:00:00	Common Tern	Sterna hirundo	1	South to North between wires, had some difficulty manoeuvring between wires.  Both carrying food south to north over wires. Both had to
00.00.00	Common Tern	Sterna hirundo	2	gain altitude.
	Herring Gull	Larus argentatus	1	South to north under wires
	Herring Gull	larus argentatus	1	North to south over wires. Looked like it came close to
	Double-crested Cormorant	Phalacrocorax auritas	1	wires. South to north under wires
	Common Tern	Sterna hirundo	2	Carrying food over land east of causeway, south to north
	Osprey	Pandion haliaetus	3	over wires.  Loitering on tower, one bird placing sticks on top as if
	Double-crested Cormorant	Phalacrocorax auritas	1	building a nest.  South to north under wires
	Common Tern	Sterna hirundo	1	South to north over wires. Had to gain altitude.
	Double-crested Cormorant	Phalacrocorax auritas	2	South to north over wires
09:15:00	Common Tern	Sterna hirundo	1	South to north over wires
	Herring Gull	Larus argentatus	1	Flying towards wires from South, flew parallel to power lines until it gained enough height to cross, went north.
09:15:00	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
00.10.00				Carrying food South to North under wires through ship
	Common Tern	Sterna hirundo	1	canal.
09:30:00	Black-throated Green Warbler	Setophaga virens	1	Heard singing
	Common Tern	Sterna hirundo	1	Carrying food over land east of causeway, south to north over wires. Had to gain altitude to get over wires.
	Northern Gannet	Morus bassanus	1	North to south over wires, had to gain altitude to cross wires.
09:45:00	Common Tern	Sterna hirundo	1	North to south over wires, made several approaches
				before crossing.
	Common Tern	Sterna hirundo	2	South to north over wires. Had to gain altitude.  North to South over wires. Circled to gain enough height to
	Northern Gannet	Morus bassanus	1	cross wires.
	Common Tern	Sterna hirundo	2	North to south over wires, both made several approaches before crossing.
Afternoon Sur	vey: Sunny, wind 40 - 50 km/h N			
14:00:00	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Herring Gull	Larus argentatus	1	South to north under wires
	Common Tern	Sterna hirundo	1	South to north over wires
	Herring Gull	Larus argentatus	2	Flying south towards wires. One turned around when approaching wires, the other spun in between wires. Looked like it was very close to contacting wires.
14:15:00	Common Tern	Sterna hirundo	1	Flew north to south towards wires, turned into wind, followed parallel to wires until it gained enough height to cross.
	Common Tern	Sterna hirundo	1	South to north under wires
14:30:00	Common Tern	Sterna hirundo	1	South to north over wires. Struggled in wind to gain
				altitude.
	Common Tern	Sterna hirundo	1	South to north under wires
	Northern Gannet	Morus bassanus	1	South to north over wires. Had to gain altitude.  Both flying North, fighting wind to gain altitude. One
	Common Tern	Sterna hirundo	2	awkwardly flew between wires, nearly contacting them. The other backtracked, then flew under wires with less trouble.
14:45:00	Common Tern	Sterna hirundo	1	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Herring Gull	Larus argentatus	1	South to north under wires
15:00:00	Common Tern	Sterna hirundo	1	Carrying food south to north under wires
	Common Tern	Sterna hirundo	1	South to north under wires through ship canal
	Northern Gannet	Morus bassanus	1	North to south over wires
	Northern Gannet	Morus bassanus	1	North to south over wires
	Northern Gannet  Northern Gannet	Morus bassanus  Morus bassanus	1	Foraging south of causeway  Flying North to South, tried to stop before it came to wires but had too much momentum. Awkwardly went over while
	Northern Gannet	Morus bassanus	1	making strange noises.  North to South over wires. Circled to gain enough height to
				cross wires.
15:15:00	Northern Gannet	Morus bassanus	1	North to south over wires  North to south over wires. One struggled to gain enough
	Herring Gull	Larus argentatus	2	height to cross wires. One struggled to gain enough
	Common Tern	Sterna hirundo	1	Foraging under wires near causeway
	Common Tern	Sterna hirundo	1	Carrying food South to North under wires through ship canal.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south over wires
	Common Tern	Sterna hirundo	1	South to north under wires

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
15:30:00	Common Tern Northern Gannet	Sterna hirundo Morus bassanus	1 5	South to north over wires. Had to gain altitude.
	Northern Gannet	Morus passanus	5	Foraging roughly 2km north of causeway.  Flying North to South. Turned into wind when approaching
	Common Tern	sterna hirundo	1	wires and sailed backwards over wires like a high jumper.
15:45:00	Common Tern	Sterna hirundo	1	Carrying food south to north, had trouble getting over wires.
	Herring Gull	Larus argentatus	1	North to south over wires. Had to make two approaches.
16:00:00	Double-crested Cormorant	Phalacrocorax auritas	2	North to south over wires. Both struggled to gain enough height to cross wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Common Tern	Sterna hirundo	1	South to north under wires
	Herring Gull	Larus argentatus	1	North to south over wires, had to gain altitude to cross wires.
	Common Tern	Sterna hirundo	2	South to north under wires during traffic break on causeway.
	Double-crested Cormorant	Phalacrocorax auritas	1	Under wires south to north. Had to avoid traffic.
16:15:00	Double-crested Cormorant  Common Tern	Phalacrocorax auritas  Sterna hirundo	2	South to north under wires through ship canal Flying North to South. Turned into wind when approaching
	Continue Ton	oterna riirando		wires and sailed backwards over wires.
16:30:00	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	South to North, had to circle to gain enough height to cross wires
	Common Tern	Sterna hirundo	1	Carrying food south to north over wires
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
	Common Tern	Sterna hirundo	1	South to north under wires
16:45:00	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires looked like it was trying to get over wires, dropped altitude
10.40.00	Double-crested Cormorant	Phalacrocorax auritas	1	at last minute and went under.
	Herring Gull	Larus argentatus	1	North to South over wires. Had to gain altitude.
	Common Tern	Sterna hirundo	1	Carrying food south to north, had to gain height to get over wires. Looked like it came close to contacting wires.
17:00:00	Herring Gull	Larus argentatus	1	South to north under wires through ship canal
	Great Black-backed Gull	Larus marinas	1	North to south over wires
	Herring Gull	Larus argentatus	2	South to north under wires through ship canal
	Great Black-backed Gull	Larus marinas	9	Foraging north of causeway
	Herring Gull	Larus argentatus	7	Foraging north of causeway
17:15:00	Double-crested Cormorant	Phalacrocorax auritas	1	South to north over wires  South to north over wires. Had to flap frantically at last
	Herring Gull	Larus argentatus	1	minute to clear wires.  North to south over wires, had to gain altitude to cross
	Common Tern	Sterna hirundo	1	wires.  North to south over wires, had to gain altitude to cross
	Common Tern	Sterna hirundo	1	wires.  Carrying food South to North, circled to gain enough height
	Common Tern	Sterna hirundo	1	to go over wires.
17:30:00	ing – 30-40km/hour  Herring Gull	Larus argentatus	2	North to south over wires
17.00.00	Tiorning Guil	Larus argernatus		Both approached low from north, turned and faced wind,
	Common Tern	Sterna hirundo	2	gained altitude slowly, then went over lines south. One came close to hitting wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	looked like it was trying to get over wires, dropped altitude at last minute and went under.
	Common Tern	Sterna hirundo	1	Carrying food south to north over wires. Had to gain altitude.
17:45:00	Common Tern	Sterna hirundo	1	North to South over wires. Circled to gain enough height to cross wires.
	Great Blue Heron	Ardea herodias	1	Flying high over wires north to south
	Double-crested Cormorant	Phalacrocorax auritas	1	Under wires south to north
18:00:00	Herring Gull	Larus argentatus	1	South to north over wires. Had to make three approaches.
	Double-crested Cormorant	Phalacrocorax auritas	2	North to south under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south over wires
	Double-crested Cormorant	Phalacrocorax auritas		North to south over wires. Both circled to gain altitude, didn't have enough, so both went under wires at last
Wind decreasi	ing, 20km/hr			second.
18:15:00		S	1	Flying North to South, looked like it wanted to go over wires, cut down and to the east on a sharp angle to go
	Double-crested Cormorant	Phalacrocorax auritas	!	_ · · · · · · · · · · · · · · · · · · ·
			1	under wires at last second.
18:30:00	Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritas  Phalacrocorax auritas  Phalacrocorax auritas	1 1	_ · · · · · · · · · · · · · · · · · · ·
18:30:00	Double-crested Cormorant	Phalacrocorax auritas		under wires at last second. North to south under wires
18:30:00	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritas Phalacrocorax auritas	1	under wires at last second.  North to south under wires  North to south under wires
18:30:00	Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas	1 2	under wires at last second.  North to south under wires  Four immatures and one adult approached wires from south, adult went over immediately, the four younger birds hesitated and circled, made a second attempt which they aborted as well. All immatures remained south of
18:30:00	Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Herring Gull	Phalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas  Larus argentatus	1 2	under wires at last second.  North to south under wires  Four immatures and one adult approached wires from south, adult went over immediately, the four younger birds hesitated and circled, made a second attempt which they
18:30:00 18:45:00	Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Herring Gull  Northern Gannet	Phalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas  Larus argentatus  Morus bassanus	1 2 5	under wires at last second.  North to south under wires  Four immatures and one adult approached wires from south, adult went over immediately, the four younger birds hesitated and circled, made a second attempt which they aborted as well. All immatures remained south of causeway.

Species	Number of Individuals Observed
American Redstart	1
American Robin	2
Bald Eagle	3
Black-throated Green Warbler	1
Blue Jay	1
Common Grackle	1
Common Loon	6
Common Tern	68
Double-crested Cormorant	83
Great Black-backed Gull	12
Great Blue Heron	1
Herring Gull	40
Magnolia Warbler	1
Northern Gannet	26
Osprey	5
Red Crossbill	9
Ruby-throated Hummingbird	1
Song Sparrow	1
Spotted Sandpiper	1
Tree Swallow	1
White-throated Sparrow	1
Yellow Warbler	1
TOTAL	266

American Robin Gree Black-casted Cult Loss argenesia Gree Black-casted Cult Hering Cult Common Ten Serven Number Accile Ten Serven Number Accile Ten Serven Number Common Ten Serven Number Se	Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
American Robin Orast Black-based CV Orasia Sympometer Intering Gulf Common Tare Service Mounts Archite Turn Service Mounts Common Tare Common Tare Common Tare Service Mounts Common Tare Common Ta	<u> </u>	NW 40-50km/hr			
Gereal Black-based Gull	05:00:00	Song Sparrow	Melospiza melodia	1	Heard singing
Herring Culi		American Robin	Turdus migratorius	1	<u> </u>
Section   Common Term   Server Abstracts   1   South is morth under writers			Larus marinas	3	
Arotic Term Service Journal Term Service Journal Form Service			Larus argentatus	2	Foraging near causeway
Action (sm.)  Common Term  Server a Numbrudo  Lance argentense  1 New Term Server  1 New Term Server	05:15:00	Common Tern	Sterna hirundo	1	
Service Months (1) words.  Common Retwen   Coveya coroxis   1   words.  Great Black-backed Cull   Lanus manabase   1   North is South no north. One were the residence of the common street of the com		Arctic Tern	Sterna paradisaea	1	to gain altitude.
Great Black-backed Quil   Laran mantees   1   North is South norm where		Common Tern	Sterna hirundo	1	
Security Carl Lance agentation 2 2 South to north, One over write one under writes.  Frening Guil Lance agentation 1 North to south under writes  Frening Guil Lance agentation 1 North to south under writes  Coule-created Commont   Phateococons wards   1 North to south under writes  Coule-created Commont   Phateococons wards   1 North to South to north over writes  Common Tern   South Frenzing Coule   Lance agentation 2 North to South to north over writes  Common Tern   South Frenzing Coule   Lance agentation 2 North to South to north over writes  Common Tern   South Frenzing Coule   Lance agentation 2 North to South to north over writes  Pering Guil Lance agentation 2 North to South to north over writes  Pering Guil Lance agentation 1 North to South to north over writes  Pering Guil Lance agentation 1 North to South to north over writes.  Pering Guil Lance agentation 1 North to South to north over writes.  Pering Guil Lance agentation 1 North to South to north over writes.  Pering Guil Lance agentation 1 North to South to north over writes.  Pering Guil Lance agentation 1 North to South to north over writes.  Pering Guil Lance agentation 1 North to South to north over writes.  Pering Guil Lance agentation 1 North to South to north over writes.  Pering Guil Lance agentation 1 North to South to north under writes through ship cannol  Common Tern Stems Internation 1 North to South to north under writes through ship  Pering Guil Lance agentation 1 North to South to north under writes through ship  Pering Guil Lance agentation 1 North to South to north under writes  Pering Guil Lance agentation 1 North to South to north under writes  Pering Guil Lance agentation 1 North to South to North under writes  Pering Guil Lance agentation 1 North to South to North under writes  Pering Guil Lance agentation 1 North to South to North under writes  Pering Guil Lance agentation 1 North to South to North under writes  Pering Guil Lance agentation 1 North to North under writes  Pering Guil Lance agentation 1 North to North under w	05:30:00	Common Raven	Corvus corax	1	Being chased by crows near ship canal
Create Blanch-beland Quill   Curries reserved   1   North to aucult under wires		Great Black-backed Gull	Larus marinas	1	North to South over wires
Herring Guill Annus argenishuse 1 North to South under wires Herring Guill Annus argenishuse 1 South to north over writes Double-created Communit A Philisconcova auxilias 1 North to South north over writes Double-created Common I Philisconcova auxilias 1 North to South over writes Common Torn Stores Abundo 2 North to South over writes Double-created Common I Philisconcova auxilias 1 North to South over writes Common Torn Stores Abundo 2 North to South on orth over writes. Double-created Common I Philisconcova auxilias 1 North to South on orth over writes. Lenning Guill Lanus argenishus 2 South to north over writes. Lenning Guil Lanus argenishus 2 South to north over writes. Lenning Guil Lanus argenishus 1 South to north over writes Philipping and South over the writes and the South auxiliary writes. Lenning Guil Lanus argenishus 1 North to South under writes through ship cannot be south auxiliary writes through ship cannot be south auxiliary wites through ship cannot be south auxiliary wites through ship cannot Torn Stores Abundo 1 North to South under writes through ship cannot Gering Guil Lanus argenishus 2 South to north under writes through ship cannot Torn Stores Abundo 1 Common Tor	06:00:00		Larus argentatus	2	South to north. One over wires one under wires.
Herring Gull   Anna segerature   1   South to north over wree		Great Black-backed Gull	Larus marinas	1	North to south under wires
Double-created Commont   Philipsococons auxilias   1   North to South cover wires		Herring Gull	Larus argentatus	1	North to south under wires
Deublis-crested Commont Greet Black-backed Commont Common Tem Some Internation Common Tem Common Tem Some Internat		Herring Gull	Larus argentatus	1	South to north over wires
Create Blanch-backed Cull  Common Term  Server hirundo  Server		Double-crested Cormorant	Phalacrocorax auritas	1	North to South over wires
Common Tem Double-created Commant Phabacroporax aurillos  terring Guil Laras argentessa 2 South to north over wires. Struggled to gain attitude one wires.  Herring Guil Laras argentessa 2 South to north over wires. Struggled to gain attitude one wires.  Common Tem Stema hinndo 1 North to south under wires through ship canal.  Common Tem Stema hinndo 1 North to south under wires through ship canal.  Common Tem Stema hinndo 1 North to south under wires through ship canal.  Common Tem Stema hinndo 1 North to south under wires through ship canal.  Common Tem Stema hinndo 1 North to south under wires through ship canal.  Common Tem Stema hinndo 1 Carrying food south to north under wires through ship canal.  Common Tem Stema hinndo 1 Carrying food south to north under wires through ship canal.  Common Tem Stema hinndo 1 Carrying food south to north under wires through ship canal.  Common Tem Stema hinndo 1 Carrying food south to north under wires through ship.  Common Tem Stema hinndo 1 Carrying food south to north under wires through ship.  Common Tem Stema hinndo 1 Carrying food south to north under wires  Herring Guil Carrying food south to north under wires  Common Tem Stema hinndo 1 Carrying food south to north under wires  Herring Guil Carrying food south to north under wires  Herring Guil Carrying food south to north under wires  Herring Guil Carrying food south to north under wires  Herring Guil Carrying food south to north under wires  Herring Guil Carrying food south to north under wires  Herring Guil Carrying food south to north under wires  Herring Guil Carrying food south to north under wires  Herring Guil Carrying food south to north under wires  Herring Guil Carrying food south to north under wires  Herring Guil Carrying food south to north under wires  Herring Guil Carrying food south to north under wires  Herring Guil Carrying food south to north under wires  Herring Guil Carrying food south to north under wires  Herring Guil Carrying food south to north under wires  Herring Guil Carrying food south		Double-crested Cormorant	Phalacrocorax auritas	1	South to north over wires
Double-created Commant Herring Gull Lanus argenateuse 2 South to north over wires. Struggled to gain altitude over wires Herring Gull Lanus argenateuse 1 South to north over wires. Struggled to gain altitude over wires Common Tern Stema hirundo: 1 North to south under wires through ship cannol. Common Tern Stema hirundo: 1 North to south under wires through ship cannol. Common Tern Stema hirundo: 1 North to south under wires through ship cannol. Common Tern Stema hirundo: 1 Carrying flood south to north under wires through ship cannol. Common Tern Stema hirundo: 1 Carrying flood south to north under wires through ship cannol. Common Tern Stema hirundo: 1 Carrying flood south to north under wires through ship cannol. Common Tern Stema hirundo: 1 Carrying flood south to north under wires through ship cannol. Common Tern Stema hirundo: 1 Carrying flood south to north under wires through ship cannol. Common Tern Stema hirundo: 1 Carrying flood south to north under wires through ship cannol. Common Tern Stema hirundo: 1 Carrying flood south to north under wires through ship cannol. Common Tern Stema hirundo: 1 Carrying flood south to north under wires through ship cannol. Common Tern Stema hirundo: 1 North under wires 1 North under		Great Black-backed Gull	Larus marinas	1	North to South over wires
Herring Gull Lanus argentatus 2 South to north over wires Having froutable in wind.  Common Term Sterme Neurob 1 North to south under wires through ship canal Carrying food south to nort		Common Tern	Sterna hirundo	2	North to South over wires
Herming Guill Canas angenetisus:  Common Tern Stevna hiroundo 1  Double-created Common Tern Stevna hiroundo 1  Common Tern Stevna hiroundo 1  Double-created Common Tern Stevna hiroundo 1  Common Tern Stevna hiroundo 1		Double-crested Cormorant	Phalacrocorax auritas	1	South to north over wires. Struggled to gain altitude over wires.
Common Term Sterne hirundo 1 North to south under writes through ship canal Cetting blown around in wind.  Common Term Sterne hirundo 1 North to south under writes through ship canal Cetting blown around in wind.  Common Term Sterne hirundo 1 Carrying food south to north under writes through ship canal Cetting blown around in wind.  Carrying food south to north under writes through ship canal Cetting blown around in wind.  Carrying food south to north under writes through ship canal.  Common Term Sterne hirundo 1 Carrying food south to north under writes through ship canal.  Common Term Sterne hirundo 1 Carrying food south to north under writes through ship canal.  Common Term Sterne hirundo 1 North to South to north under writes through ship canal.  Common Term Sterne hirundo 1 North to south under writes through ship canal.  Common Term Sterne hirundo 1 North to south under writes through ship canal.  Common Term Sterne hirundo 1 Carrying food south to North under writes through ship canal.  Common Term Sterne hirundo 1 Carrying food south to North under writes through ship canal.  Common Term Sterne hirundo 1 Carrying food south to North under writes through ship canal.  Common Term Sterne hirundo 1 Carrying food south to North under writes through ship canal.  Common Term Sterne hirundo 1 Carrying food south to North under writes through ship canal.  Common Term Sterne hirundo 1 Carrying food south to North under writes through ship canal.  Common Term Sterne hirundo 1 Carrying food south to North under writes through ship canal.  Common Term Sterne hirundo 1 Carrying food south to North under writes through ship canal.  Common Term Sterne hirundo 1 Carrying food South to North under writes through ship canal.  Common Term Sterne hirundo 1 Carrying food South to North under writes through ship canal.  Common Term Sterne hirundo 1 Carrying food South to North under writes.  Common Term Sterne hirundo 1 Carrying food South					
Common Tern   Sharna hirundo   1   Carrying food south to north under writes through ship canal Carting Devin and Catting Devin and Letting Guil Lorus argentatus   1   South to north under wires Horough ship canal Common Tern   Sterna hirundo   1   Carrying food south to north under wires through ship canal Common Tern   Sterna hirundo   1   South to North under wires through ship canal Common Tern   Sterna hirundo   1   North to South under wires through ship canal Common Tern   Sterna hirundo   1   North to South under wires through ship canal Common Tern   Sterna hirundo   1   Carrying food South to North under wires through ship canal Common Tern   Sterna hirundo   1   Carrying food South to North under wires through ship canal Common Tern   Sterna hirundo   1   Carrying food South to North under wires through ship canal Common Tern   Sterna hirundo   1   Carrying food South to North under wires through ship canal Common Tern   Sterna hirundo   1   Carrying food South to north under wires through ship canal Common Tern   Sterna hirundo   1   Carrying food South to north under wires through ship canal Common Tern   Sterna hirundo   1   Carrying food South to North under wires through ship canal Common Tern   Sterna hirundo   1   Carrying food South to North under wires   Common Tern   Sterna hirundo   1   Carrying food South to North over wires   Common Tern   Sterna hirundo   1   Carrying food South to North over wires   Common Tern   Sterna hirundo   1   Carrying food South to North over wires   Common Tern   Sterna hirundo   1   Carrying food South to North over wires   Common Te					~
Common Tern   Sierra hirundo   1   North to south under wires through ship canel   Common Tern   Sierra hirundo   1   North to south under wires through ship canel   Common Tern   Sierra hirundo   1   Carrying food south to north under wires through ship canel   Common Tern   Sierra hirundo   1   South to north under wires   Debulbe-crested Common   Phalecrocorax aurities   1   South to north under wires   Herring Guil   Lorus argentatus   1   South to north under wires   Herring Guil   Lorus argentatus   1   North to South on the under wires   Common Tern   Sierra hirundo   1   Carrying food south to north under wires   Herring Guil   Lorus argentatus   1   North to South on which under wires through ship canel   Common Tern   Sierra hirundo   1   North to south under wires through ship canel   Common Tern   Sierra hirundo   1   North to south under wires through ship canel   Common Tern   Sierra hirundo   1   North to south under wires through ship canel   Common Tern   Sierra hirundo   1   North to south under wires through ship canel   Common Tern   Sierra hirundo   1   North to south under wires through ship canel   Common Tern   Sierra hirundo   1   Carrying food south to north under wires   Common Tern   Sierra hirundo   1   Carrying food south to north under wires through ship canel   Common Tern   Sierra hirundo   1   South to north under wires   Common Tern   Sierra hirundo   1   South to north under wires   Common Tern   Sierra hirundo   1   South to north under wires   Common Tern   Sierra hirundo   1   South to North under wires   Common Tern   Sierra hirundo   1   Carrying food South to North under wires   Common Tern   Sierra hirundo   1   Carrying food South to North under wires   Common Tern   Sierra hirundo   1   Carrying food South to North under wires   Common Tern   Sierra hirundo   1   Carrying food South to North under wires   Common Tern   Sierra hirundo   1   Carrying food South to North under wires   Common Tern   Sierra hirundo   1   Carrying food South to North under wires   Common T		Common Tern	Sterna hirundo	1	· ·
Common Term   Sterna hizundo   1   North to south under wriers through ship canal		Common Tern	Sterna hirundo	1	
Common Term   Sterma hirundo   1   Carrying food south to north under wires through ship cannot be common Term   Sterma hirundo   1   Carrying food south to north under wires		Common Tern	Sterna hirundo	1	
Common Tern   Sierna hirundo   1   Canal. (Esting blown around in wind.)					
Double-crested Commonant   Phalecrocorax auritiss   2   South to north under wires		Common Tern	Sterna hirundo	1	
Herring Gull Larus argentatus 1 South to north under wires Common Ten Stema hirundo 1 Carrying food south to north under wires through ship canal.  Herring Gull Larus argentatus 1 North to South over wires Herring Gull Larus argentatus 1 North to South to North under wires through ship canal.  Common Ten Sterna hirundo 1 North to south under wires through ship canal Common Ten Sterna hirundo 1 Carrying food south to North over wires Petring Gull Larus argentatus 3 South to north over wires Common Ten Sterna hirundo 1 Common Ten Sterna hirundo 1 Carrying food south to north under wires Sterna hirundo 1 Carrying food south to north under wires Sterna hirundo 1 Carrying food south to north under wires Sterna hirundo 1 Common Ten Sterna hirundo 1 Carrying food South to North under wires Sterna hirundo 1 Carrying food South to North under wires Sterna hirundo 1 Carrying food South to North under wires Sterna hirundo 1 Carrying food South to North under wires Sterna hirundo 1 Carrying food South to North under wires Sterna hirundo 1 Carrying food South to North under wires Sterna hirundo 1 Carrying food South to North under wires Sterna hirundo 1 Carrying food South to North under wires Sterna hirundo 1 Carrying food South to North under wires Sterna hirundo 1 Carrying food South to North under wires Sterna hirundo 1 Carrying food South to North under wires Sterna hirundo 1 Carrying food South to North under wires Sterna hirundo 1 Sterna hirundo 1 South to North over land East of Causeway.  Double-created Commonant Phalacrocorax auritas 2 South to North under wires Sterna hirundo 1 South to North	06:15:00	Great Black-backed Gull	Larus marinas	1	South to north under wires
Common Tern   Sterna hirundo   1   Carrying food south to north under wires through ship canal.		Double-crested Cormorant	Phalacrocorax auritas	2	South to north under wires
Authority   Common Tern   Sterna hirundo   1   Canal.		Herring Gull	Larus argentatus	1	South to north under wires
Herring Gull   Larus argentatus   1   South to North under wires through ship canal.		Common Tern	Sterna hirundo	1	
Common Tern   Sterna hirundo   1   North to south under wires through ship canal		Herring Gull	Larus argentatus	1	North to South over wires
Common Tern Sterna hirundo 1 Carrying food South to North over wires.  Common Tern Sterna hirundo 1 Carrying food South to North over wires.  Common Tern Sterna hirundo 1 Carrying food south to north under wires through ship canal.  Double-crested Cormorant Phalecrocorax auritas 1 South to north under wires through ship canal.  Great Black-backed Gull Larus marinas 1 South to North under wires through ship canal.  Common Tern Sterna hirundo 1 approaching wires, gained altitude, then sailed backwards over wires.  Common Tern Sterna hirundo 1 Carrying Good South to North over wires.  Phering Gull Larus argentatus 2 North to South. To North over wires.  Common Tern Sterna hirundo 1 Carrying Good South to North over wires.  Double-crested Cormorant Phalecrocorax auritas 1 North to South under wires.  Common Merganser Mergus merganser 1 South to North over wires.  Double-crested Cormorant Phalecrocorax auritas 2 South to North over wires.  Double-crested Cormorant Phalecrocorax auritas 2 South to North over wires.  Double-crested Cormorant Phalecrocorax auritas 2 South to North over wires.  Double-crested Cormorant Phalecrocorax auritas 2 South to North over wires.  Common Tern Sterna hirundo 1 South to North over wires.  Double-crested Cormorant Phalecrocorax auritas 2 South to North over wires.  Common Tern Sterna hirundo 1 South to North over wires.  Common Tern Sterna hirundo 1 South to North over wires.  Double-crested Cormorant Phalecrocorax auritas 2 South to North over wires.  Double-crested Cormorant Phalecrocorax auritas 1 South to North over wires.  Double-crested Cormorant Phalecrocorax auritas 1 South to North under wires  Great Black-backed Gull Larus marinas 1 North to South under wires  Double-crested Cormorant Phalecrocorax auritas 1 South to north under wires  Great Black-backed Gull Larus marinas 1 South to north under wires  Great Black-backed Gull Larus marinas 1 North to South under wires  Double-crested Cormorant Phalecrocorax auritas 1 South to north under wires  Double-crested Cormorant Phal		Herring Gull	Larus argentatus	1	South to North under wires through ship canal.
Herring Gull   Larus argentatus   3   South to north over wires		Common Tern	Sterna hirundo	1	North to south under wires through ship canal
Common Tern   Sterna hirundo   1   Carrying food south to north under wires through ship canal.		Common Tern	Sterna hirundo	1	Carrying food South to North over wires.
Common Tern   Sherina hirundo   1   canal   canal   Canal   Canal   Double-crested Cormorant   Phalacrocorax auritas   1   South to North under wires through ship canal   Common Tern   Sterna hirundo   1   approaching wires, gained altitude, then sailed backwards over wires   Common Tern   Sterna hirundo   1   Carrying food South to North order wires   Common Tern   Sterna hirundo   1   Carrying food South to North order wires   Common Tern   Sterna hirundo   1   Carrying food South to North over wires   Common Tern   Sterna hirundo   1   Carrying food South to North over wires   Common Tern   Sterna hirundo   1   Carrying food South to North over wires   Common Tern   Sterna hirundo   1   Carrying food South to North over wires   Common Tern   Sterna hirundo   1   Carrying food South to North over wires   Common Tern   Sterna hirundo   1   Carrying food South to North under wires   Common Merganser   Mergus merganser   1   South to north over wires   Common Tern   Sterna hirundo   1   Carrying food South to North under wires   Common Tern   Sterna hirundo   1   South to north over land East of Causeway.   Common Tern   Sterna hirundo   1   South to North over land East of Causeway.   Common Tern   Sterna hirundo   1   South to North over wires   Larus marinas   1   South to North over land East of Causeway.   Great Black-backed Gull   Larus marinas   1   South to North over wires   Common Tern   Sterna hirundo   1   South to north under wires   Common Tern   Sterna hirundo   1   South to north under wires   Common Tern   Sterna hirundo   1   South to north under wires   Common Tern   Sterna hirundo   1   South to north under wires   Common Tern   Sterna hirundo   1   South to north under wires   Common Tern   Sterna hirundo   1   South to north under wires   Common Tern   Sterna hirundo   1   South to north under wires   Common Tern   Sterna hirundo   1   South to north under wires   Common Tern   Sterna hirundo   1   South to north under wires   South to north under wires   Common Tern   Sterna hirundo   1		Herring Gull	Larus argentatus	3	South to north over wires
Great Black-backed Gull   Larus marinas   1   South to North under wires through ship canal.	06:30:00	Common Tern	Sterna hirundo	1	
Great Black-backed Gull  Larus marinas  1 north to South over wires, had to gain altitude to cross.  Flying North to South. Turned into wind when approaching wires, gained altitude, then sailed backwards over wires.  Common Tern  Sterna hirundo  1 Carrying food South to North over wires.  Phalacrocorax auritas  Common Tern  Sterna hirundo  1 Carrying food South to North over wires.  North to South over wires  North to South to North under wires  Common Tern  Sterna hirundo  1 Carrying food South to North under wires  Common Merganser  Mergus merganser  1 South to North over land East of Causeway.  Common Tern  Sterna hirundo  1 South to North over wires. Had to gain height to cross wires.  Common Tern  Sterna hirundo  1 South to North over land East of Causeway.  Sterna hirundo  1 South to North over land East of Causeway.  Great Black-backed Gull  Larus marinas  1 Howing under wires, over causeway.  Double-crested Cormorant  Phalacrocorax auritas  1 South to North over wires.  Phalacrocorax auritas  1 South to North over wires  Or.00.00  Herring Gull  Larus argeniatus  2 South to north under wires  Double-crested Cormorant  Phalacrocorax auritas  1 North to south under wires  Double-crested Cormorant  Phalacrocorax auritas  1 North to south under wires  Great Black-backed Gull  Larus marinas  1 South to north under wires  Great Black-backed Gull  Larus marinas  1 South to north under wires  Great Black-backed Gull  Larus marinas  1 South to north under wires  Double-crested Cormorant  Phalacrocorax auritas  1 North to South under wires  Great Black-backed Gull  Larus marinas  1 North to South under wires  Double-crested Cormorant  Phalacrocorax auritas  1 North to South under wires  Double-crested Cormorant  Phalacrocorax auritas  1 North to South under wires  Double-crested Cormorant  Phalacrocorax auritas  1 North to South under wires  Double-crested Cormorant  Phalacrocorax auritas  1 North to South under wires  Double-crested		Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
Great Black-backed Gull  Larus marinas  1 north to South over wires, had to gain altitude to cross.  Flying North to South. Turned into wind when approaching wires, gained altitude, then sailed backwards over wires.  Common Tern  Sterna hirundo  1 Carrying food South to North over wires.  Herring Gull  Larus argentatus  2 North to South over wires.  Sterna hirundo  1 Carrying food South to North under wires.  Common Tern  Sterna hirundo  1 Carrying food South to North under wires.  Common Merganser  Mergus merganser  1 South to North over land East of Causeway.  Common Tern  Sterna hirundo  1 South to North over wires. Had to gain height to cross wires.  Common Tern  Sterna hirundo  1 South to North over land East of Causeway.  Foratt Black-backed Gull  Larus argentatus  1 Hovering under wires, over causeway.  Double-crested Cormorant  Phalacrocorax auritas  1 Hovering under wires, over causeway.  Double-crested Cormorant  Phalacrocorax auritas  1 South to north over wires  Phalacrocorax auritas  1 South to north under wires  Double-crested Cormorant  Phalacrocorax auritas  1 North to south under wires  Double-crested Cormorant  Phalacrocorax auritas  1 North to south under wires  Double-crested Cormorant  Phalacrocorax auritas  1 North to south under wires  Great Black-backed Gull  Larus argentatus  1 South to north under wires  Great Black-backed Gull  Larus marinas  1 South to north under wires  Great Black-backed Gull  Larus marinas  1 South to north under wires  Double-crested Cormorant  Phalacrocorax auritas  1 North to south under wires  Friend Selection on the under wires  Double-crested Cormorant  Phalacrocorax auritas  1 North to South to north under wires  Double-crested Cormorant  Phalacrocorax auritas  1 North to South to north under wires  Double-crested Cormorant  Phalacrocorax auritas  1 North to South under wires  Double-crested Cormorant  Phalacrocorax auritas  1 North to South under wires  Double-crested Cormo		Great Black-backed Gull	Larus marinas	1	South to North under wires through ship canal.
Common Tern   Sterna hirundo   1   Flying North to South. Turned into wind when approaching wires, gained altitude, then sailed backwards over wires.				4	
Common Tern   Sterna hirundo   1   approaching wires, gained altitude, then sailed backwards over wires.		Great Black-backed Gull	Larus marinas	1	
Common Tern   Sterna hirundo   1   Carrying food South to North over wires		Common Tern	Sterna hirundo	1	approaching wires, gained altitude, then sailed
Herring Gull Larus argentatus 2 North to South over wires  Double-crested Cormorant Phalacrocorax auritas 1 North to south under wires  Common Tern Sterna hirundo 1 Carrying food South to North under wires.  Herring Gull Larus argentatus 1 South to north over wires  Common Merganser Mergus merganser 1 South to North over land East of Causeway.  Double-crested Cormorant Phalacrocorax auritas 2 South to North over wires. Had to gain height to cross wires.  Common Tern Sterna hirundo 1 South to North over wires. Had to gain height to cross wires.  Common Tern Sterna hirundo 1 South to North over land East of Causeway.  Common Tern Sterna hirundo 1 South to North over land East of Causeway.  Great Black-backed Gull Larus marinas 1 Hovering under wires, over causeway.  Double-crested Cormorant Phalacrocorax auritas 1 South to north over wires  Double-crested Cormorant Phalacrocorax auritas 2 South to north under wires  Double-crested Cormorant Phalacrocorax auritas 1 North to south under wires  Double-crested Cormorant Phalacrocorax auritas 1 North to south under wires  Great Black-backed Gull Larus marinas 1 South to north under wires  Great Black-backed Gull Larus marinas 2 South to north under wires  Herring Gull Larus marinas 1 South to north under wires  Great Black-backed Gull Larus marinas 2 South to north under wires  Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires  Herring Gull Larus marinas 2 South to north under wires  Common Tern Sterna hirundo 1 North to South over wires  Flying North to South over wires  Flying North to South over wires  Flying North to South over wires  Common Tern Sterna hirundo 2 Carrying food south to north under wires Looked like it was very close to contacting wires.	06:45:00	Common Tern	sterna hirundo	1	
Double-crested Cormorant   Phalacrocorax auritas   1   North to south under wires		Herring Gull	Larus argentatus	2	North to South over wires
Common Tern   Sterna hirundo   1   Carrying food South to North under wires.					
Herring Gull   Larus argentatus   1   South to north over wires		Common Tern		1	Carrying food South to North under wires.
Common Merganser   Mergus merganser   1   South to North over land East of Causeway.		Herrina Gull	Larus argentatus	1	• •
Double-crested Cormorant  Phalacrocorax auritas  Common Tern  Sterna hirundo  1 South to North over wires. Had to gain height to cross wires.  Common Tern  Sterna hirundo  Great Black-backed Gull  Larus marinas  1 Hovering under wires, over causeway.  Double-crested Cormorant  Phalacrocorax auritas  1 South to north over wires  1 South to north under wires  1 South to north under wires  2 South to north under wires  1 North to south under wires  1 South to north under wires  1 South to north under wires  1 South to north under wires  2 South to north under wires  3 South to north under wires  4 South to north under wires  4 South to north under wires  5 South to north under wires  6 Great Black-backed Gull  Larus marinas  1 South to north under wires  6 South to north under wires  7 South to north under wires  8 South to north under wires  1 South to north under wires  1 South to north under wires  1 South to north over wires  1 South to north over wires  1 North to South over wires  1 South to north under wires  1 South to north under wires  1 South to north over wires  1 South to north under wires  1 South to north under wires before going under wires  1 Larus marinas  2 Carrying food south to north under wires through ship canal.			-	1	South to North over land East of Causeway.
Common Tern   Sterna hirundo   1   South to north under wires				2	South to North over wires. Had to gain height to cross
Common Tern Sterna hirundo 1 South to North over land East of Causeway.  Great Black-backed Gull Larus marinas 1 Hovering under wires, over causeway.  Double-crested Cormorant Phalacrocorax auritas 1 South to north over wires  O7:00:00 Herring Gull Larus argentatus 2 South to north under wires  Double-crested Cormorant Phalacrocorax auritas 1 North to south under wires  Herring Gull larus argentatus 1 South to north under wires  Great Black-backed Gull Larus marinas 1 South to north under wires  Great Black-backed Gull Larus marinas 2 South to north under wires  Great Black-backed Gull Larus marinas 2 South to north over wires  Herring Gull Larus marinas 2 South to north over wires  Herring Gull Larus argentatus 1 North to South over wires  O7:15:00 Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires  Flying North towards wires. Flew beside wires when it go closer to them, looked as if it couldn't decide to go over or under. Stuttered a few times before going under wires Looked like it was very close to contacting wires.  O7:30:00 Great Black-backed Gull Larus marinas 1 South to north under wires  Common Tern Sterna hirundo 2 Carrying food south to north under wires through ship canal.		Common Tern	Sterna hirundo	1	
Great Black-backed Gull Double-crested Cormorant Phalacrocorax auritas 1 South to north over wires 1 South to north under wires 1 Double-crested Cormorant Phalacrocorax auritas 1 North to south under wires 1 South to north under wires 1 North to south under wires 1 South to north under wires 1 North to south under wires 1 South to north under wires 1 North to South over wires 1 South to north under wires. Flew beside wires when it go closer to them, looked as if it couldn't decide to go over or under. Stuttered a few times before going under wires 1 Common Tern 1 Sterna hirundo 2 Carrying food south to north under wires 2 Carrying food south to north under wires through ship canal.					
Double-crested Cormorant Phalacrocorax auritas 1 South to north over wires 07:00:00 Herring Gull Larus argentatus 2 South to north under wires 1 North to south under wires 1 North to south under wires 1 North to south under wires 1 South to north under wires 2 South to north under wires 3 South to north under wires 3 South to north over wires 4 North to South over wires 1 North to South over wires 1 North to South over wires 1 North to South over wires 2 South to north under wires 3 North to South over wires 1 North to South over wires 2 North to South over wires 3 North to South over wires 3 North to South over wires 4 North to South over wires 4 North to South over wires 5 North to South over wires 5 North to South over wires 6 North to South over wires 6 North to South over wires 7 North to South over wires 7 North to South over wires 1 North to South over wires 2 North to South over wires 2 North to South over wires 3 North to South over wires 3 North to South over wires 4 North to South over wires 6 North to South over wires 6 North to South over wires 6 North to South over wires 8 North to South over wires 9 North to Sout					· · · · · · · · · · · · · · · · · · ·
Herring Gull   Larus argentatus   2   South to north under wires				-	
Double-crested Cormorant    Phalacrocorax auritas   1	07:00:00				
Herring Gull   Larus argentatus   1   South to north under wires   Great Black-backed Gull   Larus marinas   1   South to north under wires   Great Black-backed Gull   Larus marinas   2   South to north over wires   Herring Gull   Larus argentatus   1   North to South over wires   Double-crested Cormorant   Phalacrocorax auritas   1   North to South under wires   Bald Eagle   Haliaeetus leucocephalus   1   North to South over wires    Common Tern   Sterna hirundo   1   South to north under wires   Flying North towards wires. Flew beside wires when it go closer to them, looked as if it couldn't decide to go over or under. Stuttered a few times before going under wires   Looked like it was very close to contacting wires.  O7:30:00   Great Black-backed Gull   Larus marinas   1   South to north under wires   Common Tern   Sterna hirundo   2   Carrying food south to north under wires through ship canal.			·		
Great Black-backed Gull  Larus marinas  Great Black-backed Gull  Larus marinas  Double-crested Cormorant  Bald Eagle  Common Tern  Great Black-backed Gull  Larus marinas  Double-crested Cormorant  Common Tern  Great Black-backed Gull  Larus marinas  Double-crested Cormorant  Phalacrocorax auritas  Double-crested Cormorant  Double-crested Corm					
Great Black-backed Gull Herring Gull Double-crested Cormorant Bald Eagle Haliaeetus leucocephalus  Common Tern  Great Black-backed Gull  Larus marinas  2 South to north over wires  North to South over wires  North to south under wires  Flying North towards wires. Flew beside wires when it go closer to them, looked as if it couldn't decide to go over or under. Stuttered a few times before going under wires  Common Tern  Great Black-backed Gull  Larus marinas  1 South to north under wires  Common Tern  Sterna hirundo  2 Carrying food south to north under wires through ship canal.					
Herring Gull    Double-crested Cormorant   Phalacrocorax auritas   1   North to South over wires					
Double-crested Cormorant  Bald Eagle  Common Tern  Sterna hirundo  Great Black-backed Gull  Common Tern  Double-crested Cormorant  Phalacrocorax auritas  1 North to south under wires  Flying North to South over wires  Flying North towards wires. Flew beside wires when it go closer to them, looked as if it couldn't decide to go over or under. Stuttered a few times before going under wires Looked like it was very close to contacting wires.  The common Tern Sterna hirundo  2 Carrying food south to north under wires through ship canal.					
Bald Eagle  Common Tern  Sterna hirundo  Great Black-backed Gull  Common Tern  Sterna hirundo  Bald Eagle  Haliaeetus leucocephalus  Typing North to South over wires  Closer to them, looked as if it couldn't decide to go over or under. Stuttered a few times before going under wires Looked like it was very close to contacting wires.  Typing North towards wires. Flew beside wires when it go closer to them, looked as if it couldn't decide to go over or under. Stuttered a few times before going under wires Looked like it was very close to contacting wires.  Typing North towards wires. Flew beside wires when it go closer to them, looked as if it couldn't decide to go over or under. Stuttered a few times before going under wires.  Typing North towards wires. Flew beside wires when it go closer to them, looked as if it couldn't decide to go over or under. Stuttered a few times before going under wires.  Towards a substitute of the country of th	N7·15·NN				
Common Tern  Sterna hirundo  1  Flying North towards wires. Flew beside wires when it go closer to them, looked as if it couldn't decide to go over or under. Stuttered a few times before going under wires Looked like it was very close to contacting wires.  O7:30:00  Great Black-backed Gull  Larus marinas  1  South to north under wires  Carrying food south to north under wires through ship canal.	07.10.00				
Common Tern  Sterna hirundo  1 closer to them, looked as if it couldn't decide to go over or under. Stuttered a few times before going under wires Looked like it was very close to contacting wires.  O7:30:00  Great Black-backed Gull  Larus marinas  1 South to north under wires  Carrying food south to north under wires through ship canal.		Baid Eagle	Haliaeetus leucocepnalus	1	
Common Tern  Sterna hirundo  2  Carrying food south to north under wires through ship canal.		Common Tern	Sterna hirundo	1	closer to them, looked as if it couldn't decide to go over or under. Stuttered a few times before going under wires.
Common Tern  Sterna hirundo  2  Carrying food south to north under wires through ship canal.	07:30:00	Great Black-backed Gull	Larus marinas	1	South to north under wires
common tern Sterna nirundo 2 canal.					
		LOCUMENT LEM	Olema Hilundo	l <sup>2</sup>	Icanal

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
07:30:00	Great Black-backed Gull	Larus marinas	25	Sitting on wharf South of causeway and hanging around dead whale.
	Herring Gull	Larus argentatus	30	Sitting on wharf South of causeway and hanging around dead whale.
	Double-crested Cormorant	Phalacrocorax auritas	5	Sitting on wharf South of causeway.
	Common Tern	Sterna hirundo	1	Carrying food South to North, over land East of
07:45:00	Double-crested Cormorant	Phalacrocorax auritas	1	causeway. South to North over wires.
	Common Tern	Sterna hirundo	1	Carrying food South to North, over land East of
				causeway. South to north under wires
	Common Tern	Sterna hirundo	2	Carrying food South to North, over land East of
	Common Tern	sterna hirundo	1	causeway.
08:00:00	Common Tern	Sterna hirundo Sterna hirundo	1	Carrying food South to North under wires.  North to South over wires
	Herring Gull			Carrying food south to north under wires through ship
	Common Tern	Sterna hirundo	1	canal.
	Herring Gull	Larus argentatus	1	South to North over wires. Had to gain height to cross wires.
00.45.00	Great Black-backed Gull	Larus marinas	2	South to North over wires.
08:15:00	Common Tern	Sterna hirundo	1	North to south under wires  South to North over wires. Had to gain height to cross
	Common Tern	Sterna hirundo	1	wires.
	Common Tern	Sterna hirundo	1	Carrying food South to North under wires.
	Herring Gull	Larus argentatus	1	South to north under wires
08:30:00	Great Black-backed Gull  Double-crested Cormorant	larus marinas  Phalacrocorax auritas	1	North to south under wires  South to North under wires through ship canal.
00.00.00	Double-crested Cormorant	Phalacrocorax auritas	3	South to north under wires throught ship carial.
	Herring Gull	Larus argentatus	1	South to North under wires through ship canal.
	Great Black-backed Gull	Larus marinas	1	South to North over wires.
	Great Black-backed Gull	Larus marinas	3	Foraging under wires near causeway.
	Double-crested Cormorant Great Black-backed Gull	Phalacrocorax auritas	1	North to South over wires
Wind increasir	ng, 60-70km/hr	Larus marinas	l l	Caught in wind, almost pushed into wires.
08:30:00	Common Tern	Sterna hirundo	1	Carrying food South to North, over land East of
08:45:00				causeway. Having a lot of trouble with wind.  South to North over land East of Causeway. Having a lot
	Common Tern	Sterna hirundo	1	of trouble with wind.
	Double-crested Cormorant	Phalacrocorax auritas	2	South to north under wires
09:00:00	Herring Gull	Larus argentatus	2	South to north under wires  Carrying food South to North, over land East of
	Common Tern	Sterna hirundo	1	causeway.
	Herring Gull Great Black-backed Gull	Larus argentatus	1	South to north under wires
09:15:00		Larus marinas		North to South over wires  South to North over land East of Causeway. Having a lot
	Common Tern	Sterna hirundo	1	of trouble with wind.
	Double-crested Cormorant	Phalacrocorax auritas	1	Flying North, looked like it was trying to go over wires.  Circled twice, then went under wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
	Great Black-backed Gull	Larus marinas	1	South to north under wires
	Herring Gull	Larus argentatus	2	South to North over wires. 1 had to gain height to get over wires.
09:30:00	Double-crested Cormorant	Phalacrocorax auritas	1	North to South over wires
	Double-crested Cormorant	Phalacrocorax auritas	2	North to South over wires
	Herring Gull	Larus argentatus	1	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	3	Circling North of causeway, trying to gain altitude. All three went over wires north to South after several circles.
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
	Rock Dove	(Columba livia	2	North to south under wires. One came close to hitting wires.
	Great Black-backed Gull	Larus marinas	1	North to South over wires
	Herring Gull	Larus argentatus	1	North to South over wires
	Herring Gull	Larus argentatus	1	South to North over wires.
	Common Tern	Sterna hirundo	1	Carrying food over wires South to North, over land East of causeway.
09:45:00	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
	Common Tern	Sterna hirundo	2	Both carrying food South to North over land East of causeway. Both having trouble getting over wires in wind.
	American Crow	Corvus brachyrhynchos	1	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Common Tern	Sterna hirundo	1	South to North over wires. Had to gain height to get over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires.
	Herring Gull	Larus argentatus	1	South to North over wires.
	Common Grackle	Quiscalus quiscula	1	Flying North towards wires, backtracked to get more height then went over wires flying North.
	Red Crossbill	(Loxia curvirostra	Several	Heard calling

Common Term Sterva Minurado 1 Common	ne of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
Grate Black-caccoc Guill		y: Sunny, Wind 50-60km/hr nw			
Service income.    Common Ten   Service income.		Great Black-backed Gull	Larus marinas	1	Hovering under wires, over causeway. Tried to sail from North to South and came very close to hitting wires.
Service Mindows (etc.)  - Henring Gull - Carnes argumentus - Carnes argumentus - Carnes Black-backed Cull - Carnes argumentus - Carnes arg	C	Common Tern	Sterna hirundo	1	
Lance algebraids  Common Tern  Sterra hirundo  Creat Black-backed Cull  Lance mannas  Lance algebraids  Common Tern  Sterra hirundo  2 Survir hirundo  2 Survir hirundo  Common Tern  Sterra hirundo  2 Survir hirundo  2 Survir hirundo  2 Survir hirundo  Common Tern  Sterra hirundo  2 Survir hirundo  2 Survir hirundo  Common Tern  Sterra hirundo  1 Survir hirundo  Common Tern  Sterra hirundo  Common Tern  Sterra hirundo  Common Tern  Sterra hirundo  1 Carrying Tood South to North under wires thro  common Tern  Sterra hirundo  1 Carrying Tood South North under wires thro  common Tern  Sterra hirundo  1 Carrying Tood South North under wires thro  common Tern  Sterra hirundo  1 Carrying Tood South North under wires thro  common Tern  Sterra hirundo  1 Carrying Tood South North under wires thro  common Tern  Sterra hirundo  1 Carrying Tood South North under wires thro  common Tern  Sterra hirundo  1 Philosoprocova under wires  Common Tern  Sterra hirundo  1 North to south under wires  Fiying North to South under wires through the part  Common Tern  Sterra hirundo  Common Tern  Sterra hirundo  Common Tern  Sterra hirundo  Common Tern  Sterr	C	Common Tern	Sterna hirundo	1	
Common Tam   Sama hirundo   1   sall over wires. Ended up going between with smill allegate allegatements to sord a collision.	-	Herring Gull	Larus argentatus	1	
Ferring Guil   Larus argenitation   Larus argenit	C	Common Tern	Sterna hirundo	1	Flying South towards wires, turned into wind and tried to sail over wires. Ended up going between wires with last minute flight adjustments to avoid a collision.
Common Term   Sterme harundo   2   Of touble with winds. Went over wires   Fiving Guil   Larus regenerates   1   South to North over wires   Five Sterme harundo   1   Carrying food South to North, over land East   South over Sterme harundo   1   Carrying food South to North, over land East   South over Sterme harundo   1   Fiving North io South rundor wires   Fiving North io South rundor   Fiving North	C	Great Black-backed Gull	Larus marinas	1	
Herring Gull  Creat Black-backed Gull  Lanis morinos  1 South 10 North over wides.  Common Torn  Sterna hirundo  1 North to south under wires  Common Torn  Sterna hirundo  1 North to south under wires  Common Torn  Sterna hirundo  1 Pilyeng North to South Torth, over land East  causeway.  Common Torn  Sterna hirundo  1 Pilyeng North to South Torth, over land East  Common Torn  Sterna hirundo  1 Pilyeng North to South Torth, over land East  Common Torn  Sterna hirundo  1 Pilyeng North to South Torth, over land East  Common Torn  Sterna hirundo  Common Torn  Ster	15:00	Common Tern	Sterna hirundo	2	South to North over land East of Causeway. Having a lot of trouble with wind. Went over wires
Breat Black-backed Gull   Larus marinas   1   socked files it unintentionally flew between filty adjustments. Came very close to virtue.	F	 Herring Gull	Larus argentatus	1	
Double-created Commonant   Philaderocopax aurithas   1   slowly gained height then made a wide turn a wires.	C	Great Black-backed Gull	Larus marinas	1	
14.30.00   Common Tern   Sterna hirundo   2   Carrying food south to north under wires through and the common Tern   Sterna hirundo   1   South to North under wires	С	Double-crested Cormorant	Phalacrocorax auritas	1	slowly gained height then made a wide turn and flew over
Common Term   Sterna hirundo   1   South to North under wires		Common Tern	Sterna hirundo	1	North to South over wires
Common Tern   Sterna himundo   1   South to North under wires	30:00	Common Tern	Sterna hirundo	2	Carrying food south to north under wires through ship
Common Tern   Sterna hirundo   1   causeway.	C	Common Tern	Sterna hirundo	1	
Double-crested Cormorant   Phalecrocorax auritas   1 North to south under wires   Common Tern   Sterna hirundo   1   Carrying food South to North, over land East causeway.		Common Tern	Sterna hirundo	1	Carrying food South to North, over land East of
Common Tern   Siterna hirundo   1   Carrying food South to North, over land East causeway.					
Common Tern   Sterna hrundo   1   Causeway.					Carrying food South to North, over land East of
Exercise information   Sterna hirundo   1   Flying North to South. Turned into wind when approaching wires, gained altitude, then salle			Sterna hirundo	1	causeway.
Herring Gull   Larus argentatus   1   Flying South towards wires, turned into wind wires. Almost made contact with wires on was great allated, backed Gull   Larus marinas   1   North to south under wires on was great allated.   Larus marinas   1   North to south under wires on was great allated.   Larus marinas   1   North to south under wires on was great allated.   Larus marinas   1   Hovering under wires, over causeway.   Common Term   Sterne hirundo   1   Carrying food over wires South to North, over of causeway.   Common Term   Sterne hirundo   1   Carrying food south to north under wires through ship cana   Common Term   Sterne hirundo   1   Carrying food south to north under wires through ship cana   Common Term   Sterne hirundo   1   Carrying food South to North over wires.   Common Term   Sterne hirundo   1   Carrying food South to North over wires.   Common Term   Sterne hirundo   1   Carrying food South to North over wires.   Common Term   Sterne hirundo   1   Carrying food South to North over wires.   Common Term   Sterne hirundo   1   Carrying food over wires.   Carrying food over wires South to North, over of causeway.   Carrying food over wires South to North, over of causeway.   Carrying food over wires South to North, over of causeway.   Carrying food over wires South to North.   Carrying food over wires South to North, ove		Great Black-backed Gull	Larus marinas	1	
Ferring Sull   Larus marinas   1   North to south under wires	+5.00	Common Tern	Sterna hirundo	1	approaching wires, gained altitude, then sailed over.
Great Black-backed Gull   Larus argentatus   1   Flying North to South. Turned into wind when approaching wires, gained althtude, then salte	H	Herring Gull	Larus argentatus	1	Flying South towards wires, turned into wind to sail over wires. Almost made contact with wires on way over.
Great Black-backed Gull   Larus argenitatus   1   approaching wires, gained altitude, then salle   Common Raven   Corvus corax   1   Hovering under wires, cover causeway.	<u> </u>	Great Black-backed Gull	Larus marinas	1	
Common Tern   Sterna hirundo   1   Carrying food over wires South to North, over of causeway.			,		approaching wires, gained altitude, then sailed over.
Common Tern   Sterna hirundo   1   Of causeway.	F				
Serial Black-backed Gull   Larus marinas   1   South to North under wires through ship canal Common Tern   Sterna hirundo   1   Carrying food South to North over wires. Has height to get over wires.   Has height to get over wires.   Has height to get over wires.   Has height to get over wires.   Has height to get over wires.   South to North under wires.   South to North to South under wires.   Sterna hirundo   1   Carrying food over wires South to North, over of causeway.   South to North to South over wires South to North, over of causeway.   South to North under wires through ship canal Common Tern   Sterna hirundo   1   North to South over wires South to North under wires through ship canal Common Tern   Sterna hirundo   2   South to North under wires through ship canal South to North un					
Common Tern   Sterna hirundo   1   Carrying food South to North over wires. Had height to get over wires.   Had height to get over wires.   Great Black-backed Gull   Larus marinas   1   South to North under wires.			Sterna hirundo	1	canal.
Common Tern   Sterna hirundo   1   height to get over wires.	00:00	Great Black-backed Gull	Larus marinas	1	
Great Black-backed Gull   Larus marinas   2   North to south under wires					height to get over wires.
15:15:00   Common Tern   Sterna hirundo   1   Carrying food over wires South to North, over of causeway.	<u> </u>			-	
Common Tern   Sterna hirundo   1   North to South over wires	15:00				Carrying food over wires South to North, over land East
Common Tern   Sterna hirundo   2   South to North under wires through ship canal common Tern   Sterna hirundo   1   South to North under wires through ship canal common Tern   Sterna hirundo   1   South to North under wires through ship canal c	C	Common Tern	Sterna hirundo	1	
Common Tern   Sterna hirundo   1   South to North under wires through ship canal		Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires through ship canal.
Herring Gull   Larus argentatus   2   Flying high over wires South to North.	C	Common Tern	Sterna hirundo	2	South to North under wires through ship canal.
Great Blue Heron  Ardea herodias  1 North to south under wires. Looked like it tries when it saw wires but had too much moments when it saw wires but had too much moments of causeway. Having some trouble with wind.  15:45:00  Great Black-backed Gull  Osprey  Pandion haliaetus  1 North to South o North under wires.  Common Tern  Sterna hirundo  1 South to North over wires.  South to North over wires.  Frantically flapping to gain enough height to cross wires.  Herring Gull  Larus argentatus  1 Flew North over first set of wires, hesitated at set and flew back towards the South.  Black and White warbler  American Robin  Turdus migratorius  1 Heard singing  Heard singing  Yellow Warbler  Setophaga petechia  Great Black-backed Gull  Larus marinas  1 North to south under wires.  North to south under wires.  1 Heard singing  Heard singing  Heard singing  Turdus migratorius  1 Heard singing  North to south under wires					South to North under wires through ship canal.
Common Tern  Sterna hirundo  1 Carrying food over wires South to North, over of causeway. Having some trouble with wind.  15:45:00  Great Black-backed Gull  Osprey  Pandion haliaetus  1 North to South to North under wires.  Common Tern  Sterna hirundo  1 South to North over wires. Frantically flapping to gain enough height to cross wires.  Herring Gull  Larus argentatus  1 Flew North over first set of wires, hesitated at set and flew back towards the South.  Black and White warbler  American Robin  Turdus migratorius  1 Heard singing  Heard singing  Yellow Warbler  Great Black-backed Gull  Larus marinas  1 North to south under wires  1 North to south under wires			-	1	North to south under wires. Looked like it tried to stop
15:45:00   Great Black-backed Gull   Larus marinas   2   South to North under wires.	(	 Common Tern	Sterna hirundo	1	Carrying food over wires South to North, over land East
Osprey Pandion haliaetus 1 North to South over wires 16:00:00 Common Tern Sterna hirundo 1 South to North over wires. Frantically flapping to gain enough height to cross wires. Herring Gull Larus argentatus 1 Flew North over first set of wires, hesitated at set and flew back towards the South. Black and White warbler American Robin Turdus migratorius 1 Heard singing Blue headed Vireo Vireo solitarius 1 Heard singing Yellow Warbler Setophaga petechia 1 Heard singing Theard singing Yellow Warbler Great Black-backed Gull Larus marinas 1 North to south under wires Herring Gull Larus argentatus 1 North to south under wires	45:00 <i>(</i>	 Great Black-backed Gull	Larus marinas	2	
1 South to North over wires. Frantically flapping to gain enough height to cross wires.  Herring Gull Larus argentatus 1 Flew North over first set of wires, hesitated at set and flew back towards the South.  Black and White warbler Mniotilta varia 1 Heard singing  American Robin Turdus migratorius 1 Heard singing  Blue headed Vireo Vireo solitarius 1 Heard singing  Yellow Warbler Setophaga petechia 1 Heard singing  Great Black-backed Gull Larus marinas 1 North to south under wires  Herring Gull Larus argentatus 1 North to south under wires	-				
Herring Gull  Larus argentatus  1 set and flew back towards the South.  Black and White warbler  Mniotilta varia  1 Heard singing  American Robin  Turdus migratorius  1 Heard singing  Blue headed Vireo  Vireo solitarius  1 Heard singing  Yellow Warbler  Setophaga petechia  1 Heard singing  Great Black-backed Gull  Larus marinas  1 North to south under wires  Herring Gull  North to south under wires	00:00	Common Tern	Sterna hirundo	1	
American Robin  Turdus migratorius  1 Heard singing  Blue headed Vireo  Vireo solitarius  1 Heard singing  Yellow Warbler  Setophaga petechia  1 Heard singing  Heard singing  1 Heard singing  Turdus migratorius  1 North to south under wires  Turdus migratorius  1 North to south under wires			_	1	
Blue headed Vireo Vireo solitarius  Yellow Warbler Setophaga petechia Great Black-backed Gull Larus marinas Herring Gull Larus argentatus  1 Heard singing North to south under wires	<b> </b>				
Yellow Warbler  Setophaga petechia  1 Heard singing  Great Black-backed Gull  Larus marinas  1 North to south under wires  Herring Gull  Larus argentatus  1 North to south under wires	<b> </b>		The state of the s		
Great Black-backed Gull  Larus marinas  1 North to south under wires  Herring Gull  Larus argentatus  1 North to south under wires	<b> </b>			-	
	<b> </b>		· · · ·		
16:15:00 Common Tern Sterna hirundo 1 North to South over wires			· · · · · · · · · · · · · · · · · · ·	1	
		Common Tern	Sterna hirundo	1	North to South over wires
Wind has slowed down, 35-45km/hr  16:15:00 Herring Gull Larus argentatus 1 North to south under wires			Large argentatus	4	North to couth under wires
16:15:00 Herring Gull Larus argentatus 1 North to south under wires  Common Tern Sterna hirundo 1 Carrying food South to North over wires.			<u> </u>		
16:15:00 Common Tern Sterna hirundo 1 South to North over wires.					

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
16:30:00	Common Tern	Sterna hirundo	1	Carrying food South to North over wires. Had to gain height to get over wires.
	Great Black-backed Gull	Larus marinas	2	North to South over wires
	Great Black-backed Gull	Larus marinas	1	Hovering under wires, over causeway. Tried to sail from North to South and came very close to hitting wires.
	Herring Gull	Larus argentatus	1	North to South over wires
	Common Tern	Sterna hirundo	2	South to North over land East of Causeway. Went over
				wires
	Bald Eagle	Haliaeetus leucocephalus	1	Soaring high above causeway.
	Herring Gull Common Tern	Larus argentatus Sterna hirundo	2	North to South over wires  North to South over wires
6:45:00	Herring Gull	Larus argentatus	1	North to South over wires
	Common Tern	Sterna hirundo	1	Flying North to South. Turned into wind when approaching wires, gained altitude, then sailed over. Came very close to contacting wires.
	Great Black-backed Gull	Larus marinas	1	North to south under wires
	Herring Gull	Larus argentatus	1	North to South over wires
7:00:00	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal.
	Common Tern	Sterna hirundo	1	North to South over wires
	Common Tern	Sterna hirundo	1	Carrying food South to North under wires. Was close to
	Double-crested Cormorant	Phalacrocorax auritas	2	colliding with a car on the causeway.  North to south under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires.
			· ·	North to South over wires. Circled to gain altitude befo
	Common Tern	Sterna hirundo	1	flying over wires.
	ed down, 25-35km/hr			
7:15:00	Great Black-backed Gull	Larus marinas	1	South to North over wires.
	Common Tern	Sterna hirundo	1	Carrying food South to North over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires. Flew close to traffic.
	Dark eyed Junco	Junco hyemalis	1	Heard singing
	Black throated Green Warbler	Setophaga virens	1	Heard singing
	Golden-crowned Kinglet	Regulus satrapa	1	Heard singing
7:30:00	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
.30.00	Ruby-crowned Kinglet Blackburnian Warbler	Regulus calendula (Setophaga fusca	1	Heard singing Heard singing
	Yellow Warbler	Setophaga petechia	1	Heard singing
	Common Tern	Sterna hirundo	1	North to south under wires
	Great Black-backed Gull	Larus argentatus	1	South to North under wires.
	Common Tern	Sterna hirundo	1	North to south under wires
	Common Tern	Sterna hirundo	1	Carrying food South to North under wires.
	Great Black-backed Gull	Larus marinas	1	North to South over wires
	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	north to South over wires, had to gain altitude to cross
	Common Tern	Sterna hirundo	1	North to south under wires through ship canal
	Great Black-backed Gull	Larus marinas	1	South to North over wires. Had to gain height to get ownires.
7:45:00	Common Tern	Sterna hirundo		
		Gtorria Till diride	1	Flying high over wires South to North.
	Herring Gull	Larus argentatus	1	Flying high over wires South to North.  South to North over wires.
	Herring Gull	Larus argentatus Larus argentatus	1 1	South to North over wires.  North to South over wires
	Herring Gull Herring Gull	Larus argentatus Larus argentatus Larus argentatus	1 1 1	South to North over wires.  North to South over wires  South to North over wires.
	Herring Gull	Larus argentatus Larus argentatus	1 1	South to North over wires.  North to South over wires  South to North over wires.  South to North over wires.
	Herring Gull Herring Gull	Larus argentatus Larus argentatus Larus argentatus	1 1 1	South to North over wires.  North to South over wires  South to North over wires.  South to North over wires.  South to North over wires.  Had to gain height to get over the south to North over wires.
3:00:00	Herring Gull Herring Gull Herring Gull Herring Gull	Larus argentatus Larus argentatus Larus argentatus Larus argentatus Larus argentatus Larus argentatus	1 1 1	South to North over wires.  North to South over wires  South to North over wires.  South to North over wires.
3:00:00	Herring Gull Herring Gull Herring Gull	Larus argentatus Larus argentatus Larus argentatus Larus argentatus	1 1 1 1	South to North over wires.  North to South over wires  South to North over wires.  South to North over wires.  South to North over wires. Had to gain height to get owires.
8:00:00	Herring Gull Herring Gull Herring Gull Herring Gull Herring Gull	Larus argentatus	1 1 1 1	South to North over wires.  North to South over wires  South to North over wires.  South to North over wires.  South to North over wires. Had to gain height to get owires.  North to South over wires
8:00:00	Herring Gull Herring Gull Herring Gull Herring Gull Herring Gull Great Black-backed Gull	Larus argentatus Larus marinas	1 1 1 1 1 2	South to North over wires.  North to South over wires  South to North over wires.  South to North over wires.  South to North over wires. Had to gain height to get owires.  North to South over wires  South to North over wires.
3:00:00	Herring Gull Herring Gull Herring Gull Herring Gull Herring Gull Great Black-backed Gull Common Tern	Larus argentatus Sterna hirundo	1 1 1 1 1 2 1	South to North over wires.  North to South over wires  South to North over wires.  South to North over wires.  South to North over wires. Had to gain height to get owires.  North to South over wires  South to North over wires.  North to South over wires.  North to south under wires
	Herring Gull Herring Gull Herring Gull Herring Gull Herring Gull Great Black-backed Gull Common Tern Common Tern	Larus argentatus Larus marinas Sterna hirundo Sterna hirundo	1 1 1 1 1 2 1	South to North over wires.  North to South over wires.  South to North over wires.  South to North over wires.  South to North over wires. Had to gain height to get owires.  North to South over wires  South to North over wires.  North to South over wires.  North to south under wires  Carrying food South to North under wires.  North to South over wires. Circled to gain altitude befo
/ind has slow	Herring Gull Herring Gull Herring Gull Herring Gull Herring Gull Great Black-backed Gull Common Tern Common Tern Common Tern	Larus argentatus Larus marinas Sterna hirundo Sterna hirundo	1 1 1 1 1 2 1	South to North over wires.  North to South over wires.  South to North over wires.  South to North over wires.  South to North over wires. Had to gain height to get owires.  North to South over wires  South to North over wires.  North to South over wires.  North to south under wires  Carrying food South to North under wires.  North to South over wires. Circled to gain altitude befo
ind has slow	Herring Gull Herring Gull Herring Gull Herring Gull Herring Gull Great Black-backed Gull Common Tern Common Tern Common Tern Common Tern Double-crested Cormorant Double-crested Cormorant	Larus argentatus  Larus marinas  Sterna hirundo  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas  Phalacrocorax auritas	1 1 1 1 1 2 1 1 1	South to North over wires.  North to South over wires.  South to North over wires.  South to North over wires.  South to North over wires. Had to gain height to get orwires.  North to South over wires  South to North over wires.  North to South over wires.  North to south under wires  Carrying food South to North under wires.  North to South over wires. Circled to gain altitude befor flying over wires.  North to south under wires  North to south under wires  North to south under wires
ind has slow	Herring Gull Herring Gull Herring Gull Herring Gull Herring Gull Great Black-backed Gull Common Tern Common Tern Common Tern Common Tern Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Larus argentatus Larus marinas Sterna hirundo Sterna hirundo Sterna hirundo Phalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas	1 1 1 1 1 2 1 1 1 1	South to North over wires.  North to South over wires.  South to North over wires.  South to North over wires.  South to North over wires. Had to gain height to get owires.  North to South over wires  South to North over wires.  North to South over wires.  North to south under wires  Carrying food South to North under wires.  North to South over wires. Circled to gain altitude befoflying over wires.  North to south under wires
/ind has slow	Herring Gull Herring Gull Herring Gull Herring Gull Herring Gull Great Black-backed Gull Common Tern Common Tern Common Tern Common Tern Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Common Tern	Larus argentatus  Larus marinas  Sterna hirundo  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas  Phalacrocorax auritas  Phalacrocorax auritas  Sterna hirundo	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to North over wires.  North to South over wires.  South to North over wires.  South to North over wires.  South to North over wires. Had to gain height to get owires.  North to South over wires  South to North over wires.  North to South over wires.  North to south under wires  Carrying food South to North under wires.  North to South over wires. Circled to gain altitude beforflying over wires.  North to south under wires  Foraging along North side of causeway.
Vind has slow	Herring Gull Herring Gull Herring Gull Herring Gull Herring Gull Great Black-backed Gull Common Tern Common Tern Common Tern Common Tern Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Larus argentatus Larus marinas Sterna hirundo Sterna hirundo Sterna hirundo Phalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas	1 1 1 1 1 2 1 1 1 1	South to North over wires.  North to South over wires.  South to North over wires.  South to North over wires.  South to North over wires. Had to gain height to get owires.  North to South over wires  South to North over wires.  North to South over wires.  North to south under wires  Carrying food South to North under wires.  North to South over wires. Circled to gain altitude befor flying over wires.  North to south under wires  Foraging along North side of causeway.  North to south under wires
Vind has slow	Herring Gull Herring Gull Herring Gull Herring Gull Herring Gull Great Black-backed Gull Common Tern Common Tern Common Tern Common Tern Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Common Tern Double-crested Cormorant Common Tern Double-crested Cormorant Common Tern Double-crested Cormorant Common Tern Double-crested Cormorant Great Black-backed Gull	Larus argentatus Larus marinas Sterna hirundo Sterna hirundo Sterna hirundo Phalacrocorax auritas Phalacrocorax auritas Sterna hirundo Phalacrocorax auritas Larus marinas Sterna hirundo Phalacrocorax auritas Larus marinas Larus marinas	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to North over wires.  North to South over wires.  South to North over wires.  South to North over wires.  South to North over wires. Had to gain height to get o wires.  North to South over wires  South to North over wires.  North to south under wires  Carrying food South to North under wires.  North to South over wires. Circled to gain altitude befo flying over wires.  North to south under wires  North to south under wires  North to south under wires  Foraging along North side of causeway.  North to south under wires  South to North over wires. Had to gain height to get o wires.
/ind has slow	Herring Gull Herring Gull Herring Gull Herring Gull Herring Gull Great Black-backed Gull Common Tern Common Tern Common Tern Common Tern Double-crested Cormorant Double-crested Cormorant Common Tern Double-crested Cormorant Common Tern Common Tern Double-crested Cormorant Common Tern Double-crested Cormorant Common Tern Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull	Larus argentatus  Larus marinas  Sterna hirundo  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas  Phalacrocorax auritas  Phalacrocorax auritas  Sterna hirundo  Phalacrocorax auritas  Larus marinas  Larus marinas  Larus marinas	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to North over wires  North to South over wires  South to North over wires.  South to North over wires.  South to North over wires. Had to gain height to get owires.  North to South over wires  South to North over wires  South to North over wires.  North to south under wires  Carrying food South to North under wires.  North to South over wires. Circled to gain altitude befor flying over wires.  North to south under wires  North to south under wires  North to south under wires  Foraging along North side of causeway.  North to south under wires  South to North over wires. Had to gain height to get owires.  North to South over wires
/ind has slow	Herring Gull Herring Gull Herring Gull Herring Gull Herring Gull Great Black-backed Gull Common Tern Common Tern Common Tern Common Tern Double-crested Cormorant Double-crested Cormorant Common Tern Double-crested Cormorant Common Tern Double-crested Cormorant Common Tern Double-crested Cormorant Great Black-backed Gull Herring Gull	Larus argentatus  Larus argentatus  Larus argentatus  Larus argentatus  Larus argentatus  Larus argentatus  Larus marinas  Sterna hirundo  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas  Phalacrocorax auritas  Phalacrocorax auritas  Sterna hirundo  Phalacrocorax auritas  Larus marinas  Larus marinas  Larus marinas  Larus argentatus	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to North over wires.  North to South over wires.  South to North over wires.  South to North over wires.  South to North over wires. Had to gain height to get o wires.  North to South over wires  South to North over wires.  North to south under wires  Carrying food South to North under wires.  North to South over wires. Circled to gain altitude befo flying over wires.  North to south under wires  North to south under wires  North to south under wires  Foraging along North side of causeway.  North to south under wires  South to North over wires. Had to gain height to get o wires.
/ind has slow 3:15:00	Herring Gull Herring Gull Herring Gull Herring Gull Herring Gull Great Black-backed Gull Common Tern Common Tern Common Tern Common Tern Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Common Tern Double-crested Cormorant Common Tern Double-crested Cormorant Great Black-backed Gull Herring Gull Common Tern	Larus argentatus  Larus argentatus  Larus argentatus  Larus argentatus  Larus argentatus  Larus argentatus  Larus marinas  Sterna hirundo  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas  Phalacrocorax auritas  Phalacrocorax auritas  Sterna hirundo  Phalacrocorax auritas  Larus marinas  Larus marinas  Larus marinas  Larus argentatus  Sterna hirundo	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to North over wires.  North to South over wires.  South to North over wires.  South to North over wires.  South to North over wires. Had to gain height to get owires.  North to South over wires.  North to North over wires.  North to south under wires  Carrying food South to North under wires.  North to South over wires. Circled to gain altitude befo flying over wires.  North to south under wires  North to south under wires  North to south under wires  Foraging along North side of causeway.  North to south under wires  South to North over wires. Had to gain height to get owires.  North to South over wires  Carrying food South to North, over land East of causeway.
/ind has slow 3:15:00	Herring Gull Herring Gull Herring Gull Herring Gull Herring Gull Great Black-backed Gull Common Tern Common Tern Common Tern Common Tern Double-crested Cormorant Double-crested Cormorant Common Tern Double-crested Cormorant Common Tern Double-crested Cormorant Common Tern Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Herring Gull Common Tern Common Tern	Larus argentatus  Larus argentatus  Larus argentatus  Larus argentatus  Larus argentatus  Larus argentatus  Larus marinas  Sterna hirundo  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas  Phalacrocorax auritas  Phalacrocorax auritas  Sterna hirundo  Phalacrocorax auritas  Larus marinas  Larus marinas  Larus marinas  Larus argentatus  Sterna hirundo  Sterna hirundo  Sterna hirundo  Sterna hirundo  Sterna hirundo	1 1 1 1 1 1 1 1 1 1 2 1 1 2 1 1 1 1 1 1	South to North over wires  North to South over wires  South to North over wires.  South to North over wires.  South to North over wires. Had to gain height to get owires.  North to South over wires  South to North over wires  South to North over wires  South to North over wires  Carrying food South to North under wires.  North to South over wires. Circled to gain altitude befor flying over wires.  North to south under wires  North to south under wires  North to south under wires  Foraging along North side of causeway.  North to south under wires  South to North over wires. Had to gain height to get owires.  North to South over wires  North to South over wires  Carrying food South to North, over land East of causeway.  Foraging along North side of causeway.
<b>find has slow</b> 3:15:00	Herring Gull Herring Gull Herring Gull Herring Gull Herring Gull Great Black-backed Gull Common Tern Common Tern Common Tern Double-crested Cormorant Double-crested Cormorant Common Tern Double-crested Cormorant Common Tern Common Tern Common Tern Double-crested Cormorant Common Tern	Larus argentatus Larus marinas Sterna hirundo Sterna hirundo Sterna hirundo Phalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas Phalacrocorax auritas Larus marinas Larus marinas Larus marinas Larus argentatus Sterna hirundo	1 1 1 1 2 1 1 1 2 1 1 2 1 1 2 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 1	South to North over wires.  North to South over wires.  South to North over wires.  South to North over wires.  South to North over wires.  Had to gain height to get owires.  North to South over wires.  North to South over wires.  North to south under wires.  Carrying food South to North under wires.  North to South over wires. Circled to gain altitude befor flying over wires.  North to south under wires  North to south under wires  North to south under wires  Foraging along North side of causeway.  North to south under wires.  South to North over wires. Had to gain height to get owires.  North to South over wires  Carrying food South to North, over land East of causeway.  Foraging along North side of causeway.  Foraging along North side of causeway.  North to south under wires
8:00:00 <b>Vind has slow</b> 8:15:00	Herring Gull Herring Gull Herring Gull Herring Gull Herring Gull Great Black-backed Gull Common Tern Common Tern Common Tern Common Tern Double-crested Cormorant Double-crested Cormorant Common Tern Double-crested Cormorant Common Tern Double-crested Cormorant Common Tern Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Herring Gull Common Tern Common Tern	Larus argentatus  Larus argentatus  Larus argentatus  Larus argentatus  Larus argentatus  Larus argentatus  Larus marinas  Sterna hirundo  Sterna hirundo  Sterna hirundo  Phalacrocorax auritas  Phalacrocorax auritas  Phalacrocorax auritas  Sterna hirundo  Phalacrocorax auritas  Larus marinas  Larus marinas  Larus marinas  Larus argentatus  Sterna hirundo  Sterna hirundo  Sterna hirundo  Sterna hirundo  Sterna hirundo	1 1 1 1 1 1 1 1 1 1 2 1 1 2 1 1 1 1 1 1	South to North over wires  North to South over wires  South to North over wires.  South to North over wires.  South to North over wires. Had to gain height to get owires.  North to South over wires  South to North over wires  South to North over wires.  North to south under wires  Carrying food South to North under wires.  North to South over wires. Circled to gain altitude before flying over wires.  North to south under wires  North to south under wires  North to south under wires  Foraging along North side of causeway.  North to south under wires  South to North over wires. Had to gain height to get owires.  North to South over wires  North to South over wires  Carrying food South to North, over land East of causeway.  Foraging along North side of causeway.

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
18:30:00	Great Black-backed Gull	Larus marinas	1	South to North over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South over wires
	Common Tern	Sterna hirundo	1	North to south under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Herring Gull	Larus argentatus	1	North to South over wires
	Common Tern	Sterna hirundo	1	North to south under wires
	Double-crested Cormorant	Phalacrocorax auritas	3	North to south under wires
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal.
	Common Tern	Sterna hirundo	2	One flew under wires through ship canal, the other between the wires near the ship canal.
18:45:00	Herring Gull	Larus argentatus	1	South to North over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires through ship canal
	Double-crested Cormorant	Phalacrocorax auritas	3	One flew awkwardly between wires, one flew under wires and one flew over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Great Black-backed Gull	Larus marinas	1	North to South over wires
	Herring Gull	Larus argentatus	1	North to South over wires
	Herring Gull Larus argentatus	1	South to North over wires.	
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South over wires. Angled it's flight towards wires, most likely to buy time to gain altitude.
19:00:00	Great Black-backed Gull	Larus marinas	1	South to North over wires.
	Great Black-backed Gull	Larus marinas	1	North to south under wires
	Common Tern	Sterna hirundo	1	Carrying food over wires South to North, over land East of causeway.
	Great Blue Heron	Ardea herodias	1	North to South over wires
	Herring Gull	Larus argentatus	2	South to North over wires. One had to gain altitude.

Species	Number of Individuals
Species	Observed
American Crow	1
American Robin	2
Arctic Tern	1
Bald Eagle	2
Black and White warbler	1
Black throated Green Warbler	1
Blackburnian Warbler	1
Blue headed Vireo	1
Common Grackle	1
Common Merganser	1
Common Raven	2
Common Tern	90
Dark eyed Junco	1
Double-crested Cormorant	67
Golden-crowned Kinglet	1
Great Black-backed Gull	78
Great Blue Heron	2
Herring Gull	94
Osprey	1
Red Crossbill	0
Rock Dove	2
Ruby-crowned Kinglet	1
Song Sparrow	1
Yellow Warbler	2
TOTAL	354

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
Cloudy, Wind 2		le :/		for a second
05:00:00	Alder Flycatcher American Robin	Empidonax alnorum Turdus migratorius	1 1	Heard singing
	Yellow Warbler	Setophaga pechia	1 1	Heard singing Heard singing
	Song Sparrow	Melospiza melodia	1	Heard singing
	Common Tern	Sterna Hirundo	1	Carrying food South to North under wires, through ship canal.
05:15:00	Common Tern	Sterna Hirundo	1	North to South over wires.
0.10.00	Herring Gull	Larus argentatus	1	South to North under wires.
	Herring Gull	Larus argentatus	1	South to North over wires.
	Common Tern	Sterna Hirundo	1	Carrying food South to North under wires through ship canal.
	Common Tern	Sterna Hirundo	1	South to North under wires through ship canal.
5:30:00	Herring Gull	Larus argentatus	1	Found itself between both sets of power lines. Seemed have trouble finding a safe way out of predicament.
	Great Black-backed Gull	Larus marinas	1	North to South under wires, through ship canal
	Herring Gull	Larus argentatus	1	South to North under wires through ship canal.
	Great Black-backed Gull	Larus marinas	1	South to North under wires.
	Great Black-backed Gull	Larus marinas	1	South to North over wires.
	Ring-billed Gull	Larus delawarensis	1	Loitering on grass near ship canal.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South over wires.
	Herring Gull	Larus argentatus	1	South to North over wires. Had to make two approach
	Great Black-backed Gull	Larus marinas	1	North to South under wires.
	Herring Gull	Larus argentatus	1	North to South under wires.
5:45:00	Double-crested Cormorant	Phalacrocorax auritas	1	North to South under wires, through ship canal
	Great Black-backed Gull	Larus marinas	1	South to North under wires through ship canal.
	Double-crested Cormorant	Phalacrocorax auritas	6	South to North over wires. One veered off and made angled approach, presumably to get more height befor flying over wires.
	Common Tern	Sterna Hirundo	1	Carrying food South to North over wires.
	Double-crested Cormorant	Phalacrocorax auritas	8	South to North under wires. Two of them had to make
				minor flight adjustments.
	Osprey	Pandion haliaetus	1	Hovering over causeway, carrying nest material.
	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires.
	Herring Gull	Larus argentatus	1	South to North under wires.
	Common Tern	Sterna Hirundo	1	South to North over wires. Had to gain height to make
	Horring Cull	Larus argentatus	1	over wires. South to North under wires.
	Herring Gull Herring Gull	Larus argentatus	1	South to North over wires. Had to gain height to make
		-		over wires.
2,00,00	Herring Gull	Larus argentatus	2	South to North over wires.
6:00:00	Herring Gull Blackburnian Warbler	Larus argentatus Setophaga fusca	2	South to North under wires. Heard singing
	Double-crested Cormorant	Phalacrocorax auritas	1 1	North to South under wires, through ship canal
	Herring Gull	Larus argentatus	1	North to South over wires.
	Herring Gull	Larus argentatus	1	North to South under wires, through ship canal
	<u> </u>		2	South to North over wires. Had to gain height to make
	Common Tern	Sterna Hirundo	2	over wires.
	Herring Gull	Larus argentatus	1	North to South under wires, through ship canal
	Herring Gull	Larus argentatus	1	South to North over wires. Had to gain height to make
	•	ŭ		over wires.
	Great Black-backed Gull	Larus marinas	1	North to South over wires.
	Herring Gull	Larus argentatus	6	South to North over wires. Two of them made 2
6:15:00	+	-		approaches before going over.  North to South over wires, had to gain height to clear
	Herring Gull Great Black-backed Gull	Larus argentatus  Larus marinas	2	wires. North to South over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires.
	Great Black-backed Gull	Larus marinas	1	South to North over wires.
	Great Black-backed Gull	Larus marinas	1	South to North under wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires.
	Herring Gull	Larus argentatus	1	South to North over wires.
	Great Black-backed Gull	Larus marinas	1	North to South over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South under wires.
	Herring Gull	Larus argentatus	1	South to North over wires.
	Great Black-backed Gull	Larus marinas	1	North to South over wires.
06:20:00	Double-crested Cormorant	Phalacrocorax auritas	1	North to South under wires.
06:30:00	Great Black-backed Gull	Larus marinas Pandion haliaetus	1 1	North to South over wires.
	Osprey Great Black-backed Gull	Larus marinas	1 1	South to North over wires. South to North over wires.
	Great Black-backed Gull	Larus marinas Larus marinas	1 1	South to North under wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South under wires, through ship canal
	Common Tern	Sterna Hirundo	2	South to North under wires.
	Herring Gull	Larus argentatus	1	Found itself between both sets of power lines. Seeme get out with less difficulty this time.
	Common Tern	Sterna Hirundo	1	South to North over wires. Had to gain height to make over wires.
	Herring Gull	Larus argentatus	1	South to North under wires.
	Herring Gull	Larus argentatus	1	South to North over wires. Had to make two approach
	American Black Duck	anas rubripes	2	North to South over wires.
6:45:00	Northern Gannet	Morus bassanus	2	North to South over wires, had to gain height to clear wires.
	Great Black-backed Gull	Larus marinas	1	South to North under wires.
	Herring Gull	Larus argentatus	1 1	South to North under wires.
	Herring Gull	Larus argentatus	2	South to North over wires.
				North to South under wires.

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
06:45:00	Osprey	Pandion haliaetus	1	Placing nest material on one of the short towers.
	American Redstart	Setophaga ruticilla	1	Heard singing
	Common Raven	Corvus corax	3	North to South under wires.
07:00:00	Great Black-backed Gull	Larus marinas	1	South to North over wires.
	Great Black-backed Gull	Larus marinas	1	Flew between wires, North to South. Appeared to have some trouble.
	Common Tern	Sterna Hirundo	1	North to South over wires.
				North to South over wires. Had to make three
	Herring Gull	Larus argentatus	1	approaches.
	Herring Gull	Larus argentatus	1	South to North over wires.
	Great Black-backed Gull	Larus marinas	1	South to North under wires.
	Double-crested Cormorant	Phalacrocorax auritas	40	Loitering at Northern end of ship canal.
7:15:00	Herring Gull	Larus argentatus	6	North to South over wires.
	Common Tern	Sterna Hirundo	1	North to South under wires.
	Double-crested Cormorant	Phalacrocorax auritas	5	Loitering at Southern end of ship canal.  Carrying food South to North over wires. Had some
	Common Tern	Sterna Hirundo	1	trouble gaining height to clear wires.
				Carrying food South to North over wires. Had to make
	Common Tern	Sterna Hirundo	1	two approaches.
7:30:00	Herring Gull	Larus argentatus	1	South to North under wires through ship canal.
	Herring Gull	Larus argentatus	1	South to North over wires.
	Great Black-backed Gull	Larus marinas	3	North to South over wires.
	Common Tern	Sterna Hirundo	1	North to South over wires.
	Great Black-backed Gull	Larus marinas	1	South to North over wires.
	Common Tern	Sterna Hirundo	1	North to South over wires.
	Double-crested Cormorant	Phalacrocorax auritas	4	South to North under wires.
	Herring Gull	Larus argentatus	1	Flying high over wires, North to South.
	Common Tern	Sterna Hirundo	1 2	North to South over wires.
7:45:00	Herring Gull Double-crested Cormorant	Larus argentatus Phalacrocorax auritas	2	North to South over wires. South to North over wires.
. <del>.,</del> J.UU	Herring Gull	Larus argentatus	1 1	South to North over wires.  South to North over wires.
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	Double-crested Cormorant	Phalacrocorax auritas	2	South to North over wires. Both made two approaches.
	Herring Gull	Larus argentatus	1	North to South over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South under wires.
	Great Blue Heron	Ardea herodias	1	North to South over wires.
3:00:00	Herring Gull	Larus argentatus	1	North to South over wires.
	Great Black-backed Gull	Larus marinas	1	Flew between wires South to North.
	Great Black-backed Gull	Larus marinas	1	South to North over wires.
	Herring Gull	Larus argentatus	1	North to South over wires.
	Great Black-backed Gull	Larus marinas	1	South to North over wires.
8:15:00	Herring Gull Wind shifted, coming from Wes	Larus argentatus	2	South to North over wires.
5.10.00	Herring Gull	Larus argentatus	3	South to North over wires. One veered off and made angled approach, presumably to get more height before flying over wires.
	Herring Gull	Larus argentatus	4	South to North under wires through ship canal.
	Herring Gull	Larus argentatus	1	South to North over wires.
	Herring Gull	Larus argentatus	1	South to North under wires through ship canal.
	Herring Gull	Larus argentatus	1	North to South under wires, through ship canal
	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires.
	Great Black-backed Gull	Larus marinas	1	South to North over wires.
	Herring Gull Herring Gull	Larus argentatus	2	South to North over wires. One had to gain altitude.  North to South under wires.
	Double-crested Cormorant	Larus argentatus Phalacrocorax auritas	1	South to North over wires.
	Great Black-backed Gull	Larus marinas	2	South to North over wires.
3:30:00	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires.
	Herring Gull	Larus argentatus	1	South to North over wires.
	Double-crested Cormorant	Phalacrocorax auritas	3	South to North under wires.
	Herring Gull	Larus argentatus	1	South to North over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires.
	Common Tern	Sterna Hirundo	1	North to South under wires.
	Great Black-backed Gull	Larus marinas	3	North to South under wires.
	Herring Gull	Larus argentatus	3	South to North under wires.
	Great Black-backed Gull	Larus marinas	1	South to North under wires. South to North over wires. Had to gain height to make
	Great Black-backed Gull	Larus marinas	1	over wires.
	Herring Gull	larus argentatus	1	South to North under wires.
	Great Black-backed Gull	Larus marinas	1	South to North under wires.
	Herring Gull	Larus argentatus	1	South to North over wires.
	Northern Parula	Setophaga americana	1	Heard singing
	Red-eyed Vireo	Vireo olivaceus	1	Heard singing
08:45:00	Herring Gull	Larus argentatus	1	South to North over wires.
	Common Tern	Sterna Hirundo	1	South to North under wires.
	Common Tern  Double-crested Cormorant	Sterna Hirundo  Phalacrocorax auritas	2	North to South over wires. One had to make two approaches.  North to South over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South over wires.
	American Robin	Turdus migratorius	1	North to South under wires.
9:00:00	Great Black-backed Gull	Larus marinas	1	South to North under wires.
00.00	Herring Gull	Larus argentatus	1	South to North under wires.
	Great Black-backed Gull	Larus marinas	1	Flying North to South. Flew under first set of wires, the went over second set with a great amount of difficulty.
	Northern Gannet	Morus bassanus	1	Flew between wires South to North.
	Herring Gull	Larus argentatus	4	South to North over wires.
		Pandion haliaetus	1	Flew between wires South to North. Had minor difficult
	Osprey			
	Great Black-backed Gull	Larus marinas	1	North to South over wires.

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
09:15:00	Common Tern	Sterna Hirundo	1	Carrying food South to North over wires. Had some trouble gaining height to clear wires.
	Great Black-backed Gull	Larus marinas	1	South to North over wires.
	Herring Gull	Larus argentatus	2	South to North over wires.
	Herring Gull	Larus argentatus	1	South to North over wires. Had to make two approaches  South to North over wires. One had to make two
	Great Black-backed Gull	Larus marinas	2	approaches.
	Double-crested Cormorant Herring Gull	Phalacrocorax auritas  Larus argentatus	1 2	North to South under wires.  North to South over wires.
9:30:00	Herring Gull	Larus argentatus	1	South to North over wires.
.0.00.00	Great Black-backed Gull	Larus marinas	1 1	North to South over wires.
	Herring Gull	Larus argentatus	1	South to North over wires.
	Common Tern	Sterna Hirundo	3	North to South under wires.
	Herring Gull	Larus argentatus	1	South to North over wires. approach at an angle, presumably to buy time to gain altitude.
	Common Tern	Sterna Hirundo	1	South to North over wires. Circled, then approached at an angle, presumably to buy time to gain altitude.
	Herring Gull	Larus argentatus	2	South to North under wires.
9:45:00	Herring Gull Herring Gull	Larus argentatus	2	South to North over wires.
9.45.00	Herring Gull	Larus argentatus  Larus argentatus	4	South to North under wires through ship canal.  South to North over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires.
	Herring Gull	Larus argentatus	1	South to North under wires through ship canal.
	Herring Gull	Larus argentatus	1	South to North over wires.
	Great Black-backed Gull	Larus marinas	1	South to North over wires.
	vey: Sunny, Wind 15-20km/hr we			
4:00:00	Common Tern	Sterna Hirundo	2	North to South under wires.
	Common Tern	Sterna Hirundo	1	North to South under wires.
	Herring Gull Double-crested Cormorant	Larus argentatus	1 1	North to South under wires.
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritas  Phalacrocorax auritas	1 1	North to South under wires.  South to North under wires.
4:15:00	Herring Gull	Larus argentatus	1 1	South to North over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires.
	Common Tern	Sterna Hirundo	1	North to South over wires.
	Northern Gannet	Morus bassanus	1	North to South over wires.
	Great Black-backed Gull	Larus marinas	1	South to North over wires. Had to gain height to make it over wires.
	Herring Gull	Larus argentatus	3	North to South over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires.
4:30:00	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritas	1 1	South to North over wires.
4.30.00	Great Black-backed Gull	Phalacrocorax auritas  Larus marinas	1 1	North to South under wires.  North to South over wires.
	Common Tern	Sterna Hirundo	1 1	South to North under wires.
	Common Tern	Sterna Hirundo	1	North to South under wires.
4:45:00	Common Tern	Sterna Hirundo	1	North to South over wires. Having some trouble with wind.
	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires.
	Great Black-backed Gull	Larus marinas	1	North to South under wires.
	Herring Gull	Larus argentatus	1	North to South over wires. Had to make two approaches
	Common Tern	Sterna Hirundo	1	North to South under wires.  North to South over wires, had to gain height to clear
	Common Tern	Sterna Hirundo	1	wires.
5:00:00	Herring Gull	Larus argentatus	2	North to South over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South under wires.
	Great Black-backed Gull	Larus marinas	1	North to South over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South under wires.  Flew between wires South to North. Came close to
	Ring-billed Gull	Larus delawarensis	1	contacting wires.
	Great Black-backed Gull	Larus argentatus	1	North to South over wires.
	Common Tern	Sterna Hirundo	1	South to North under wires.
5:15:00	Common Tern	Sterna Hirundo	1	North to South over wires, turned into wind and sailed over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South over wires.
	Herring Gull	Larus argentatus	1	North to South over wires.
	Herring Gull	Larus argentatus	1	South to North over wires.
	Great Black-backed Gull	Larus marinas	1	North to South over wires.
	Common Tern	Sterna Hirundo	2	North to South over wires, turned into wind and sailed over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South under wires.
15:20:00	Great Black-backed Gull	Larus marinas	1	North to South over wires.
15:30:00	Double-crested Cormorant  Common Tern	Phalacrocorax auritas Sterna Hirundo	1 1	South to North under wires.  North to South over wires. Had to make four approache
		Phalacrocorax auritas	2	North to South under wires. Both made angled approach
	Double-crested Cormorant	T Halaorooorax aaritao	i	
Vind increasin		T Haladi oodiax danlad		
	Double-crested Cormorant  og, 30-35km/hr  Double-crested Cormorant	Phalacrocorax auritas	1	North to South under wires.
	g, 30-35km/hr		1 1	North to South under wires. On shoreline near bridge.
5:30:00	pg, 30-35km/hr  Double-crested Cormorant Spotted Sandpiper Herring Gull	Phalacrocorax auritas	1 1 1	
5:30:00	pg, 30-35km/hr  Double-crested Cormorant Spotted Sandpiper Herring Gull Double-crested Cormorant	Phalacrocorax auritas Actitis macularius Larus argentatus Phalacrocorax auritas	1 1 1	On shoreline near bridge. North to South over wires. North to South under wires.
5:30:00	pg, 30-35km/hr  Double-crested Cormorant Spotted Sandpiper Herring Gull Double-crested Cormorant Herring Gull	Phalacrocorax auritas Actitis macularius Larus argentatus Phalacrocorax auritas Larus argentatus	1 1 1 2	On shoreline near bridge.  North to South over wires.  North to South under wires.  North to South over wires.
5:30:00	pg, 30-35km/hr  Double-crested Cormorant Spotted Sandpiper Herring Gull Double-crested Cormorant Herring Gull Herring Gull	Phalacrocorax auritas Actitis macularius Larus argentatus Phalacrocorax auritas Larus argentatus Larus argentatus Larus argentatus	1 1 1 2	On shoreline near bridge.  North to South over wires.  North to South under wires.  North to South over wires.  South to North over wires.
<b>Vind increasin</b> 5:30:00 5:45:00	pg, 30-35km/hr  Double-crested Cormorant Spotted Sandpiper Herring Gull Double-crested Cormorant Herring Gull Herring Gull Double-crested Cormorant	Phalacrocorax auritas Actitis macularius Larus argentatus Phalacrocorax auritas Larus argentatus Larus argentatus Phalacrocorax auritas	1 1 1 2 1 4	On shoreline near bridge.  North to South over wires.  North to South under wires.  North to South over wires.  South to North over wires.  North to South under wires.
5:30:00 5:45:00	pg, 30-35km/hr  Double-crested Cormorant Spotted Sandpiper Herring Gull Double-crested Cormorant Herring Gull Herring Gull Double-crested Cormorant American Kestrel	Phalacrocorax auritas Actitis macularius Larus argentatus Phalacrocorax auritas Larus argentatus Larus argentatus Phalacrocorax auritas Phalacrocorax auritas Falco sparverius	1 1 1 2 1 4	On shoreline near bridge. North to South over wires. North to South under wires. North to South over wires. South to North over wires. North to South under wires. North to South over wires. North to South over wires.
5:30:00	pg, 30-35km/hr  Double-crested Cormorant Spotted Sandpiper Herring Gull Double-crested Cormorant Herring Gull Herring Gull Double-crested Cormorant	Phalacrocorax auritas Actitis macularius Larus argentatus Phalacrocorax auritas Larus argentatus Larus argentatus Phalacrocorax auritas	1 1 1 2 1 4	On shoreline near bridge.  North to South over wires.  North to South under wires.  North to South over wires.  South to North over wires.  North to South under wires.

ime of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
6:15:00	Common Tern	Sterna hirundo	1	Carrying food South to North over wires.
	Great Black-backed Gull	Larus marinas	1	North to South over wires
	Great Black-backed Gull	Larus marinas	1	South to North over wires.
2,20,00	Herring Gull	Larus argentatus	1	North to South over wires
16:30:00	Herring Gull Herring Gull	Larus argentatus	1	North to south under wires  North to South over wires
	Herring Gull	Larus argentatus  Larus argentatus	2	North to South over wires
	Great Black-backed Gull	Larus marinas	1	South to North over wires.
	Herring Gull	Larus argentatus	1	North to South over wires
	Great Black-backed Gull	Larus marinas	1	North to South over wires
	Herring Gull	Larus argentatus	1	South to north under wires
	Great Black-backed Gull	Larus marinas	1	North to South over wires
	Herring Gull	Larus argentatus	1	North to South over wires
	Herring Gull	Larus argentatus	1	North to south under wires
	Herring Gull	Larus argentatus	1 1	North to South over wires
45:00	Great Black-backed Gull	Larus marinas Larus argentatus	1	South to North over wires. South to north under wires
45.00	Herring Gull Herring Gull	Larus argentatus	1	North to South over wires
	Great Black-backed Gull	Larus marinas	2	South to North over wires.
	Double-crested Cormorant	Phalacrocorax auritas		South to north under wires
	Herring Gull	Larus argentatus	1	South to North over wires.
	Common Tern	Sterna hirundo	1	North to south under wires
	Common Tern	Sterna hirundo	2	South to north over wires. One carrying food.
	Herring Gull	Larus argentatus	1	North to south under wires
	Common Tern	Sterna hirundo	1	North to south under wires
	Herring Gull	Larus argentatus	1	North to South over wires
00:00	Herring Gull	Larus argentatus	1	South to north under wires
	Herring Gull	Larus argentatus	1 1	North to south under wires
	Herring Gull	Larus argentatus	1	North to South over wires
	Great Black-backed Gull Double-crested Cormorant	Larus marinas Phalacrocoray auritas	1	South to north under wires South to north under wires
		Phalacrocorax auritas	'	
	Common Tern	Sterna hirundo	2	North to south over wires. Both made two approache
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south over wires. Circled to gain altitude.
				Flew between wires north to south. Came close to
	Double-crested Cormorant	Phalacrocorax auritas	1	contacting wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Double-crested Cormorant	Phalacrocorax auritas	2	North to south over wires. Both had to gain altitude.
	Herring Gull	Larus argentatus	2	North to South over wires
5:00	Herring Gull	Larus argentatus	3	South to north under wires
	Herring Gull	Larus argentatus	1	South to North over wires. Had to gain altitude.
	Herring Gull	Larus argentatus	1	North to South over wires
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritas Phalacrocorax auritas	1	North to south under wires  North to South over wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Great Black-backed Gull	Larus marinas	1	North to South over wires
	Herring Gull	Larus argentatus	1	North to south under wires through ship canal
	Herring Gull	Larus argentatus	1	South to north under wires
	Herring Gull	Larus argentatus	1	South to north over wires
30:00	Common Tern	Sterna hirundo	1	Carrying food South to North over wires.
	Common Tern	Sterna hirundo	1	South to north over wires. Had to circle to gain altitude
			'	
	Herring Gull	Larus argentatus	1	North to South over wires
	Herring Gull	Larus argentatus	1	South to North over wires.
	Common Tern	Sterna hirundo	1	North to south under wires
l5:00	Common Tern Herring Gull	Sterna hirundo Larus argentatus	1 1	Carrying food south to north under wires South to north over wires
13.00	Tierning Guil	Larus argernatus	<u>'</u>	
	Double-crested Cormorant	Phalacrocorax auritas	2	North to South over wires. One approached at an another circled to gain altitude, then went over wires.
	Herring Gull	Larus argentatus	1	North to South over wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Common Raven	Corvus corax	3	Loitering on towers
	Double-crested Cormorant	Phalacrocorax auritas	1 1	North to south under wires. Circled to gain altitude
	Double-crested Cormorant Herring Gull	Phalacrocorax auritas  Larus argentatus	2	North to south over wires. Circled to gain altitude.  North to South over wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South over wires  North to south under wires
	Herring Gull	Larus argentatus	1	North to South under wires  North to South over wires
	Great Black-backed Gull	Larus marinas	1	North to South over wires
	Common Tern	Sterna hirundo	1	North to south under wires
0:00	Common Tern	Sterna hirundo	1	Carrying food South to North over wires.
	Common Tern	Sterna hirundo	2	North to south under wires
	Common Tern	Sterna hirundo	2	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	2	North to south under wires
	Double-crested Cormorant	Phalacrocorax auritas		North to south under wires
	Common Tern	Sterna hirundo	1 1	North to South over wires
	Common Tern	Sterna hirundo	1	North to South under wires
	Common Tern Herring Gull	Sterna hirundo Larus argentatus	2	North to south under wires  North to South over wires
	Great Black-backed Gull	Larus argentatus Larus marinas	2	North to South over wires  North to South over wires
	Great Black-backed Gull	Larus marinas Larus marinas	1	North to south under wires through ship canal
	Common Tern	Sterna hirundo	1	North to south under wires
	Great Black-backed Gull	Larus marinas	2	South to North over wires.
	Great Black-backed Gull	Larus marinas	1	North to south under wires
	Great Black-backed Gull	Larus marinas	1	North to south under wires. Had some difficulty.
	Great Black-backed Gull	Larus marinas	1	South to North under wires through ship canal.
5:00	Double-crested Cormorant	Phalacrocorax auritas	1	South to North over wires.
	Common Tern	Sterna hirundo	1	South to north under wires
	Common Tern	Sterna hirundo	1	Carrying food South to North over wires.
	Double-crested Cormorant	Phalacrocorax auritas	1 1	North to South over wires

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
18:15:00	Common Tern	Sterna hirundo	1	South to north over wires. Over land east of causeway.
	Great Black-backed Gull	Larus marinas	1	South to North over wires.
	Great Black-backed Gull	Larus marinas	2	South to north over wires. One made two approaches, one made three approaches.
	Herring Gull	Larus argentatus	1	North to South over wires
18:30:00	Double-crested Cormorant	Phalacrocorax auritas	2	North to south under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Common Tern	Sterna hirundo	1	Foraging along north side of causeway
	Northern Gannet	Morus bassanus	1	Foraging just south of causeway
	Great Black-backed Gull	Larus marinas	1	Flew between wires South to North. Had minor difficulty.
	Great Black-backed Gull	Larus marinas	1	South to north over wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South over wires. Had some difficulty.
	Double-crested Cormorant	Phalacrocorax auritas	4	North to south over wires. Some had difficulty.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
18:45:00	Common Tern	Sterna hirundo	1	South to north under wires
	Herring Gull	Larus argentatus	1	South to North over wires.
	Herring Gull	Larus argentatus	1	South to north under wires through ship canal
	Herring Gull	Larus argentatus	1	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South over wires. Had to make two approaches
	Double-crested Cormorant	Phalacrocorax auritas	5	North to south over wires. Two had to gain altitude.
	Great Black-backed Gull	Larus marinas	1	North to South over wires
	Double-crested Cormorant	Phalacrocorax auritas	2	North to south under wires

Species	Number of Individuals Observed
Alder Flycatcher	1
American Black Duck	2
American Kestrel	1
American Redstart	1
American Robin	2
Blackburnian Warbler	1
Common Raven	6
Common Tern	68
Double-crested Cormorant	145
Great Black-backed Gull	76
Great Blue Heron	1
Herring Gull	157
Northern Gannet	5
Northern Parula	1
Osprey	4
Red-eyed Vireo	1
Ring-billed Gull	2
Song Sparrow	1
Spotted Sandpiper	1
Yellow Warbler	1
TOTAL	477

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
Overcast, Wind	d west 10km/hr			
05:15:00	Song Sparrow	Melospiza melodia	1	Heard singing
	Yellow Warbler	Setophaga pechia	1	Heard singing
	Northern Parula	Setophaga americana	1	Heard singing
	Great Black-backed Gull	Larus marinas	Several	Loitering around causeway
05:30:00	Herring Gull Common Tern	Larus argentatus Sterna hirundo	20	Loitering around causeway  Carrying food south to north under wires through ship
	Common Tern	Sterna hirundo	1	Carrying food over wires south to north, had to gain
	Herring Gull	Larus argentatus	3	altitude Over wires north to south
05:45:00	Great Black-backed Gull	Larus marinas	1 1	Under wires south to north
05:45:00	Common Tern Double-crested Cormorant	Sterna hirundo Phalacrocorax auritas	1	North to south under wires through ship canal South to north under wires
	Herring Gull	Larus argentatus	1	North to south under wires  North to south under wires through ship canal
	Great Black-backed Gull	Larus marinas	7	Under wires south to north through ship canal
	Herring Gull	Larus argentatus	1	South to north under wires
	Herring Gull	Larus argentatus	1	North to south under wires
	Herring Gull	Larus argentatus	1	North to south over wires, had to gain altitude
	Herring Gull	Larus argentatus	1	North to south over wires, had to gain altitude. Came close to wires.
	Great Black-backed Gull	Larus marinas	1	North to south under wires through ship canal
	Common Tern	Sterna hirundo	1	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	2	North to south under wires
	Common Tern	Sterna hirundo	1	North to south under wires
	Herring Gull	Larus argentatus	1	South to north over wires
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires
	Herring Gull	Larus argentatus	1	North to south over wires through this cond
	Great Black-backed Gull	Larus marinas	1 2	North to south under wires through ship canal South to north over wires
	Herring Gull Great Blue Heron	Larus argentatus Ardea herodias	1	Fishing by causeway
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south over wires
	Herring Gull	Larus argentatus	2	South to north over wires
	Herring Gull	Larus argentatus	1	South to north under wires
	Common Tern	Sterna hirundo	1	North to south under wires
06:00:00	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal
	Common Tern	Sterna hirundo	1	Fishing in ship canal
	Common Tern	Sterna hirundo	1	Carrying food under wires through ship canal
	Common Tern	Sterna hirundo	1	North to south under wires through ship canal
	Herring Gull	Larus argentatus	6	South to north under wires
	Herring Gull	Larus argentatus	3	North to south under wires  Carrying food south to north, flew parallel to wires
	Common Tern	Sterna hirundo	1	struggling to gain altitude
	Northern Gannet Great Black-backed Gull	Morus bassanus Larus marinas	2	Flying high over wires South to North.  North to south under wires through ship canal
	Common Tern	Sterna hirundo	1	Carrying food South to North between wires. Had some difficulty.
	Common Raven	Corvus corax	2	Patrolling causeway.
	Herring Gull	Larus argentatus	1	South to north over wires
06:15:00	Northern Gannet	Morus bassanus	7	Diving south of causeway
000.00	Great Black-backed Gull	Larus marinas	1	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	8	Flying north to south. 3 flew under wires, 3 flew over wires with some difficulty, 2 backed off wires.
	Common Tern	Sterna hirundo	1	North to south over wires. Struggled to gain altitude.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
				Terns, Gulls, Cormorants, foraging in ship canal.
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north over wires, had to gain altitude.
	Herring Gull	Larus argentatus	3	South to north over wires
	Great Black-backed Gull	Larus marinas Actitis macularis	3	Loitering around causeway
	Spotted Sandpiper Common Tern	Sterna hirundo	1	Near causeway  North to south over wires. Needed 4 approaches.
	Cedar Waxwing	Bombycilla cedrorum	Several	Heard not far from causeway.
	Great Black-backed Gull	Larus marinas	1	North to south under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Great Black-backed Gull	Larus marinas	1	North to south under wires
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal
	Herring Gull	Larus argentatus	2	South to North under wires through ship canal
	Great Black-backed Gull	Larus marinas	1	South to North under wires through ship canal
	Common Tern	Sterna hirundo	1	South to north under wires
	Herring Gull	Larus argentatus	1	North to south over wires, needed 2 approaches
	Great Black-backed Gull	Larus marinas	1 1	North to south over wires, had to gain altitude
06:30:00	Common Tern Common Tern	Sterna hirundo	1	South to north over wires Carrying food south to north under wires through ship
	Great Black-backed Gull	Sterna hirundo Larus marinas	1 1	canal South to north over wires
	Gannets, Terns, Cormorants and Gulls		many	Foraging North of Causeway.
	Common Tern	Sterna hirundo	1	South to North under wires through ship canal
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal
	Northern Gannet	Morus bassanus	1	South to north over wires
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north over wires South to north over wires
	Double-crested Cormorant	Phalacrocorax auritas	2	North to south over wires
	Herring Gull	Larus argentatus	1	North to south over wires
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
				South to north over wires

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
06:45:00	Northern Gannet	Morus bassanus	1 1	South to north over wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south over wires, had some difficulty  North to south over wires, had some difficulty, 3
	Common Tern	Sterna hirundo	1	approaches
	Northern Gannet	morus bassanus	1	South to north over wires
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north over wires
	Common Tern	Sterna hirundo	1	North to south over wires, needed 2 approaches
	Herring Gull	Larus argentatus	2	South to North under wires through ship canal
	Herring Gull Common Tern	Larus argentatus Sterna hirundo	1 1	North to south over wires  North to south under wires
	Herring Gull	Larus argentatus	1 1	North to south under wires  North to south under wires through ship canal
7:00:00	Common Tern	Sterna hirundo	2	South to North under wires through ship canal
7.00.00	Double-crested Cormorant	Phalacrocorax auritas	1	North to south over wires
	Great Blue Heron	Ardea herodias	2	Near causeway
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Great Black-backed Gull	Larus marinas	1	South to north over wires
	Herring Gull	Larus argentatus	1	South to north under wires
	Common Tern	Sterna hirundo	1	Flying north to south. Stuttered 6-7 times before going over wires.
	Double-crested Cormorant	Phalacrocorax auritas	2	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Common Tern	Sterna hirundo	1	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Common Tern	Sterna hirundo	1	Carrying food over wires south to north, needed 4 approaches
7:15:00	Common Tern	Sterna hirundo	1	Carrying food south to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south over wires
	Herring Gull	Larus argentatus	1	North to south over wires
	Herring Gull	Larus argentatus	1	North to south over wires, needed 2 approaches
	Double-crested Cormorant	phalacrocorax auritas	1	South to North under wires through ship canal
	Herring Gull	Larus argentatus	1	South to north under wires
7.00.00	Herring Gull	Larus argentatus	1 1	South to north under wires
7:30:00	Blackburnian Warbler	Setophaga fusca	1 1	Heard singing
	Swainsons Thrush	Catharus ustulatus	1	Heard singing
	Double-crested Cormorant	Phalacrocorax auritas	2	South to north under wires  Carrying food south to north under wires through ship
	Common Tern	Sterna hirundo	1	canal
	Herring Gull	Larus argentatus	1	South to north over wires
7:45:00	Herring Gull	Larus argentatus	1	North to south under wires
	Herring Gull	Larus argentatus	1	North to south over wires
	Double-crested Cormorant	Phalacrocorax auritas	1 1	North to south over wires
	Herring Gull Herring Gull	Larus argentatus  Larus argentatus	1 1	North to south over wires, had to gain altitude  North to south under wires through ship canal
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north over wires
	Common Tern	Sterna hirundo	1	South to North under wires through ship canal
8:00:00	Wind increasing, 20-25km/hr North			-
	Herring Gull	Larus argentatus	1	North to south under wires through ship canal
	Common Tern	Sterna hirundo	1	Flying North to South, turned into wind, flew parallel to wires gaining altitude, made several approaches before
				going over wires.
	Herring Gull	Larus argentatus	1	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	3	South to north under wires
	Great Blue Heron Great Black-backed Gull	Ardea herodias Larus marinas	3	Flying North away from causeway.  North to south over wires
8:15:00	Great Black-backed Gull	Larus marinas	1 1	North to south over wires
0.10.00	Herring Gull	Larus argentatus	2	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	2	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	4	South to north over wires
	American Crow	Corvus brachyrhynchos	15	Foraging around causeway
	Osprey	Pandion haliaetus	1	Fishing north of causeway
8:30:00	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
	Alder Fycatcher	Empidonax alnorum	1	Heard singing
	Great Black-backed Gull	Larus marinas	11	North to south over wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south over wires, had to gain altitude
	Great Black-backed Gull	Larus marinas	1	North to south under wires
	Great Black-backed Gull	Larus marinas	1 1	South to north over wires
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritas Phalacrocorax auritas	1 1	North to south over wires South to north under wires
	Great Black-backed Gull	Larus marinas	1	South to north under wires
08:45:00	Great Black-backed Gull	Larus marinas	1	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
	Herring Gull	Larus argentatus	1	South to north over wires
	Double-crested Cormorant	Phalacrocorax auritas	2	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
	Common Tern	Sterna hirundo	1	Flying North to South, turned into wind, stuttered severatimes before going over wires.
		Sterna hirundo	2	North to south over wires, had to gain altitude
	Common Tern			Flying North to South, turned into wind, gained altitude,
9:00:00	Common Tern Common Tern	Sterna hirundo	1	
9:00:00	Common Tern		1	flew over wires.
9:00:00	Common Tern Great Black-backed Gull	Sterna hirundo	1 1 1	
9:00:00	Common Tern	Sterna hirundo Larus marinas	1 1 1	flew over wires. South to north under wires
9:00:00	Common Tern  Great Black-backed Gull  Herring Gull	Sterna hirundo Larus marinas Larus argentatus	1 1 1 1	flew over wires. South to north under wires North to south over wires
9:00:00	Common Tern Great Black-backed Gull Herring Gull Herring Gull	Sterna hirundo  Larus marinas  Larus argentatus  Larus argentatus	1 1 1 1 1	flew over wires. South to north under wires North to south over wires North to south under wires

			T		
Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour	
09:00:00	Herring Gull	Larus argentatus	2	North to south under wires through ship canal	
	Herring Gull	Larus argentatus	1	South to north over wires, over land East of causeway.	
	Great Black-backed Gull	Larus marinas	1	South to north under wires	
	Mourning Dove	Zenaida macroura	1	Flew towards mainland, got halfway there and flew back.	
	Herring, Black Backed gulls	Larus sp	80	Loitering around causeway.	
09:30:00	Herring Gull	Larus argentatus	1	South to north over wires, had to gain altitude.	
	Common Tern	sterna hirundo	1	North to south under wires	
	Great Black-backed Gull Herring Gull	Larus marinas	1	North to south under wires  North to south under wires	
	Great Black-backed Gull	Larus argentatus Larus marinas	1	North to south under wires	
	Great Black-backed Gull	Larus marinas	1 1	South to north under wires	
	Common Tern	Sterna hirundo	1	Foraging along North side of causeway. Caught fish, carried it North.	
	Common Tern	Sterna hirundo	1	Flying North to South, turned into wind, gained altitude, flew over wires.	
	Herring Gull	Larus argentatus	1	Flying North to South, turned into wind, flew parallel to wires gaining altitude, over wires.	
09:45:00				Lots of Herring and Black Backed gulls foraging around causeway.	
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal	
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south over wires	
	Common Tern	Sterna hirundo	1	Carrying food South to north under wires	
	Common Tern	Sterna hirundo	1	Carrying food South to North under wires near ship canal.	
Afternoon Sui	 rvey: Sunny, hot, wind 15-20km/h	r N.	1		
14:00:00	Herring Gull	Larus argentatus	1	South to north under wires	
				Several juvenile and adult gulls foraging along causeway,fledged young crows near causeway as well. No other bird activity.	
14:15:00	Common Tern	Sterna hirundo	2	North to south under wires near ship canal	
110000	Great Black-backed Gull	Larus marinas	1	Catching fish along north side of causeway	
14:30:00	Common Tern	Sterna hirundo	1 1	Foraging on north side of causeway	
	Common Tern  Double-crested Cormorant	Sterna hirundo  Phalacrocorax auritas	3	North to south under wires  One between wires – had difficulty. One circled and made two attempts, then over wires. One circled and	
	Herring Gull		1	made three attempts then over wires.  South to North under wires through ship canal	
14:45:00	Whale species	Larus argentatus	1	Seen north of causeway	
	Common Tern	Sterna hirundo	1	North to south through ship canal	
	Common Tern	Sterna hirundo	3	North to south under wires	
15:00:00	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires through ship canal	
	Common Tern	Sterna hirundo	2	North to south under wires	
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south over wires, had to gain altitude	
	Herring Gull	Larus argentatus	1	North to south over wires, had to gain altitude	
15:15:00	Herring Gull Great Black-backed Gull	Larus argentatus larus marinas	2	North to south under wires through ship canal South to North under wires through ship canal	
13.13.00	Double-crested Cormorant	Phalacrocorax auritas	1 1	North to south under wires	
	Great Black-backed Gull	Larus marinas	2	North to south under wires	
15:30:00	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal	
	Common Tern	Sterna hirundo	1	South to north over wires, had to gain altitude.	
				Carrying food south to north under wires through ship	
	Common Tern	Sterna hirundo	1	canal	
	Herring Gull Common Tern	Larus argentatus Sterna hirundo	1	South to north under wires  Flying North to South, Turned into wind, stuttered before	
15:45:00	Common Tern	Sterna hirundo	1	sailing over.  North to south over wires	
15.45.00	Spotted Sandpiper	Actitis macularis	1	On rocks near causeway	
	Double-crested Cormorant	Phalacrocorax auritas	1 1	North to south under wires	
	Great Black-backed Gull	Larus marinas	1	South to north under wires	
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires	
16:00:00	Great Black-backed Gull	Larus marinas	2	South to north under wires	
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal	
	Bald Eagle	Haliaeetus leucocephalus	1	Soaring high over wires	
	Northern Gannet	Morus bassanus	1	North to south over wires	
	Herring Gull Common Tern	Larus argentatus Sterna hirundo	2	South to north under wires  Carrying food south to north over land east of causeway,	
	Herring Gull	Larus argentatus	1	had to gain altitude  North to south under wires through ship canal	
	Great Black-backed Gull	Larus marinas	2	North to south under wires	
		Larus argentatus	1	South to North under wires through ship canal	
	Herring Gull	<u> </u>		South to north under wires	
10.45	Herring Gull	Larus argentatus	1		
16:15:00	Herring Gull Great Black-backed Gull	Larus argentatus Larus marinas	1	South to north under wires	
16:15:00	Herring Gull Great Black-backed Gull Herring Gull	Larus argentatus Larus marinas Larus argentatus	1 1	South to north under wires South to north under wires	
16:15:00	Herring Gull Great Black-backed Gull	Larus argentatus Larus marinas Larus argentatus Larus argentatus	1	South to north under wires South to north under wires South to north over wires Carrying food south to north under wires through ship	
16:15:00	Herring Gull Great Black-backed Gull Herring Gull Herring Gull Common Tern	Larus argentatus Larus marinas Larus argentatus Larus argentatus Sterna hirundo	1 1 1	South to north under wires South to north under wires South to north over wires Carrying food south to north under wires through ship canal	
16:15:00	Herring Gull Great Black-backed Gull Herring Gull Herring Gull Common Tern Common Tern	Larus argentatus Larus marinas Larus argentatus Larus argentatus Sterna hirundo	1 1 1 1	South to north under wires South to north under wires South to north over wires Carrying food south to north under wires through ship canal North to south under wires through ship canal	
16:15:00	Herring Gull Great Black-backed Gull Herring Gull Herring Gull Common Tern Common Tern Common Tern	Larus argentatus Larus marinas Larus argentatus Larus argentatus Sterna hirundo Sterna hirundo Sterna hirundo	1 1 1 1 1	South to north under wires South to north under wires South to north over wires Carrying food south to north under wires through ship canal North to south under wires through ship canal Fishing in ship canal	
	Herring Gull Great Black-backed Gull Herring Gull Herring Gull Common Tern Common Tern Common Tern Herring Gull	Larus argentatus Larus marinas Larus argentatus Larus argentatus Sterna hirundo Sterna hirundo Sterna hirundo Larus argentatus	1 1 1 1 1 1 1 3	South to north under wires South to north under wires South to north over wires Carrying food south to north under wires through ship canal North to south under wires through ship canal Fishing in ship canal South to north under wires	
	Herring Gull Great Black-backed Gull Herring Gull Herring Gull Common Tern Common Tern Common Tern Herring Gull Common Tern	Larus argentatus Larus marinas Larus argentatus Larus argentatus Sterna hirundo Sterna hirundo Sterna hirundo Larus argentatus Sterna hirundo Larus argentatus Sterna hirundo	1 1 1 1 1	South to north under wires South to north under wires South to north over wires Carrying food south to north under wires through ship canal North to south under wires through ship canal Fishing in ship canal	
16:15:00 16:30:00	Herring Gull Great Black-backed Gull Herring Gull Herring Gull Common Tern Common Tern Common Tern Herring Gull	Larus argentatus Larus marinas Larus argentatus Larus argentatus Sterna hirundo Sterna hirundo Sterna hirundo Larus argentatus	1 1 1 1 1 1 1 3	South to north under wires South to north under wires South to north over wires Carrying food south to north under wires through ship canal North to south under wires through ship canal Fishing in ship canal South to north under wires South to north under wires	

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
16:30:00	Common Tern	Sterna hirundo	1	Carrying food south to north over wires, over land east of causeway
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Great Black-backed Gull	Larus marinas	2	South to north under wires
	Great Black-backed Gull	Larus marinas	1	North to south over wires, barely made it over
	Tree Swallow	Tachycineta bicolor	2	Foraging in area
	Common Tern	Sterna hirundo	1	Carrying food over wires south to north
	Common Raven	Corvus corax	1	North to south under wires
	Great Black-backed Gull	Larus marinas	1	South to north under wires
	Herring Gull	Larus argentatus	1	North to south over wires
	Double-crested Cormorant	Phalacrocorax auritas	2	North to south under wires
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal
	Herring Gull	Larus argentatus	1	South to North under wires through ship canal
	Herring Gull	Larus argentatus	1	Between wires south to north. Appeared close to
				contacting wires.
	Cedar Waxwing	Bombycilla cedrorum	Several	Heard in area
0.45.00	Magnolia Warbler	Setophaga magnolia	1	Heard singing
6:45:00	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal
	Common Tern	Sterna hirundo	1	Carrying food south to north over wires. Zig zagged to gain altitude. Had difficulty.
	Great Black-backed Gull	Larus marinas	1	North to south over wires
	Common Raven	Corvus corax	2	Patrolling causeway.
7:00:00	Herring Gull	Larus argentatus	1	North to south under wires
				Carrying food south to north under wires through ship
	Common Tern	Sterna hirundo	1	canal
	Common Tern	Sterna hirundo	1	South to North under wires through ship canal
				Flying north to south, stuttered, turned into wind, gained
	Common Tern	Sterna hirundo	1	altitude, then sailed over wires. Appeared fairly close to
	Creat Diagle haging Cull	Low to manying a	4	contacting wires.
7:45:00	Great Black-backed Gull	Larus marinas	1	North to south under wires
7:15:00	Great Black-backed Gull	Larus marinas	1	North to south under wires
	Common Tern	Sterna hirundo	1	Flying North to South, turned into wind, gained altitude, flew over wires.
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal
	Great Black-backed Gull	Larus marinas	1	North to south under wires through ship canal
17:30:00	Herring Gull	Larus argentatus	1	North to south over wires
	Great Black-backed Gull	Larus marinas	2	Chasing each other north to south under wires
			,	Hovering under lines, appeared fairly close to being
	Herring Gull	Larus argentatus	1	struck by automobile  Flying north to south, turned into wind, tried to sail over
	Great Black-backed Gull	Larus marinas	1	wires north to south, appeared very close to contacting wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south over wires
	Common Tern	Sterna hirundo	1	South to north over wires
	Great Black-backed Gull	Larus marinas	1	North to south over wires
7:45:00	Herring Gull	Larus argentatus	1	South to north over wires
	Northern Gannet	Morus bassanus	1	Diving just north of causeway
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Great Black-backed Gull	Larus marinas	1	South to north over wires
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal
	Common Tern	Sterna hirundo	1	Fishing in ship canal. Seems to be a regular occurence today
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
				Patrolling causeway. Appeared very close to contacting
	Great Black-backed Gull	Larus marinas	1	wires.
	Common Tern	Sterna hirundo	1	North to south under wires
	Herring Gull	Larus argentatus	1	North to south under wires through ship canal
			·	Carrying food south to north under wires through ship
	Common Tern	Sterna hirundo	1	canal
	Great Black-backed Gull	Larus marinas	1	North to south under wires
	Common Tern	Sterna hirundo	1	North to south under wires
8:00:00	Willet	Tringa semipalmata	1	Circling north of causeway, then headed south under
				wires  Flying north to south between wires, made last second
	Great Black-backed Gull	Larus marinas	1	adjustment, appeared very close to contacting wires
	Common Tern	Sterna hirundo	1	North to south over wires
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal
	Common Tern	Sterna hirundo	3	Two terns chasing another tern, went over and under wires several times.
	Common Tern	Sterna hirundo	1	Flying north to south, stuttered many times, finally went over wires, looked fairly close to contacting wires
	Double-crested Cormorant	Phalacrocorax auritas	2	North to south under wires
8:15:00	Common Tern	Sterna hirundo	1	South to north under wires
0.10.00	Great Black-backed Gull	Larus marinas	1 1	North to south under wires  North to south under wires through ship canal
	OTEAL DIACK-DACKED GUII	Larus mannas	<u>'</u>	
	Double-crested Cormorant	Phalacrocorax auritas	2	Flying north to south, both stopped abruptly before wire One circled, then went over wires, other flew back north
	Great Black-backed Gull	Larus marinas	1	Fishing by causeway
	Great Black-backed Gull	Larus marinas	1	South to north under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
	Common Eider	Somateria mollissima	7	South to north over wires

Time of Day	Day Common Name Scientific Name		No of Individuals	Species Behaviour
18:15:00	Herring Gull	Larus argentatus	1	North to south between wires. Appeared fairly close to contacting wires.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Common Tern	Sterna hirundo	2	North to south under wires through ship canal
	Common Tern	Sterna hirundo	1	North to south under wires
18:30:00	Common Tern	Sterna hirundo	1	North to south under wires near ship canal
18:30:00	Common Tern	Sterna hirundo	1	South to north over wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires through ship canal
	Herring Gull	Larus argentatus	1	South to north over wires
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal
	Herring Gull	Larus argentatus	3	North to south over wires
	Northern Gannet	Morus bassanus	1	South to north over wires
	Common Tern	Sterna hirundo	Sterna hirundo 1 North to south under wires t	
	Double-crested Cormorant	Phalacrocorax auritas	1	North to south under wires
	Common Tern	Sterna hirundo	2	North to south under wires
	Northern Gannet	Morus bassanus	1	North to south over wires
	Common Tern	Sterna hirundo	1	South to north under wires near ship canal
	Herring Gull	Larus argentatus	1	North to south under wires
	Common Tern	Sterna hirundo	1	North to south under wires through ship canal
18:45:00	Great Black-backed Gull	Larus marinas	1	South to north under wires
	Common Tern	Sterna hirundo	1	Fishing in ship canal
	Great Black-backed Gull	Larus marinas	1	North to south under wires
	Common Tern	Sterna hirundo	1	North to south under wires
	Common Tern	Sterna hirundo	1	South to north under wires
	Common Tern	Sterna hirundo	1	Flying north to south, turned into wind, stuttered several times before sailing over, appeared very close to contacting wires.
	Common Tern	Sterna hirundo	1	South to north under wires
	Northern Gannet	Morus bassanus	2	North to south over wires, had to gain altitude
	Common Tern	Sterna hirundo	1	North to south over wires
	Double-crested Cormorant	Phalacrocorax auritas	2	South to north under wires

Species	Number of Individuals
Species	Observed
Alder Fycatcher	1
American Crow	15
Bald Eagle	1
Blackburnian Warbler	1
Common Eider	10
Common Raven	5
Common Tern	109
Double-crested Cormorant	76
Gannets, Terns, Cormorants and Gulls	0
Great Black-backed Gull	65
Great Blue Heron	6
Herring Gull	110
Herring, Black Backed gulls	80
Magnolia Warbler	1
Mourning Dove	1
Northern Gannet	18
Northern Parula	1
Osprey	1
Song Sparrow	1
Spotted Sandpiper	2
Swainsons Thrush	1
Tree Swallow	2
Whale species	1
Willet	1
Yellow Warbler	1
TOTAL	510

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour		
Overcast, Win	d 0km/hr					
05:00:00	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal		
	Common Tern	Sterna hirundo	1	North to South under wires through ship canal		
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal		
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal		
	Common Tern	Sterna hirundo	1	Fishing in Ship canal  North to South under wires		
	Herring Gull Great Black-Backed Gull	Larus argentatus Larus marinas	1	North to South under wires  North to South under wires		
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires		
5:30:00	Common Tern	Sterna hirundo	10	Fishing on South side of causeway		
	Common Tern	Sterna hirundo	1	Carrying food south to north between wires. Had some difficulty.		
				Over 30 gulls, 2 ravens and 5 crows all loitering near causeway		
	Common Tern	Sterna hirundo	2	Flying South to North under wires through ship canal. Carrying food.		
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal  Carrying food South to North over land East of		
	Common Tern	Sterna hirundo	2	causeway.		
	Common Tern Double-crested Cormorant	Sterna hirundo Phalacrocorax auritas	1 3	North to South under wires through ship canal South to North under wires.		
	Double-crested Cormorant	Phalacrocorax auritas	5	North to South over wires.		
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal		
	Double-crested Cormorant	Phalacrocorax auritas	2	North to South under wires		
	Common Tern	Sterna hirundo	2	Carrying food South to North over wires. Both zig- zagged back and forth while approaching wires to gain		
	Common Tern	Sterna hirundo	1	altitude.  Carrying food south to north under wires through ship		
	Double-crested Cormorant	Phalacrocorax auritas	5	canal North to South under wires		
	Double-crested Cormorant	Phalacrocorax auritas	1	South to North over wires		
	Double-crested Cormorant	Phalacrocorax auritas	4	North to South under wires		
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal		
5:45:00	Great Black-Backed Gull	Larus marinas	1	South to North over wires, had to gain altitude to get or wires		
	Common Tern	Sterna hirundo	1	Carrying food South to North over land East of causeway.		
	Great Black-Backed Gull Northern Gannet	Larus marinas Morus bassanus	1 1	North to South over wires.  North to South over wires.		
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South over wires.		
	Double-crested Cormorant	Phalacrocorax auritas	1	South to North over wires, had to gain altitude to get owwires		
	Herring Gull	Larus argentatus	1	North to South under wires		
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires		
	Double-crested Cormorant	Phalacrocorax auritas	2	North to South under wires		
6:00:00	Northern Gannet Song Sparrow	Morus bassanus Melospiza melodia	2	North to South over wires.  Heard Singing		
0.00.00	Yellow Warbler	Setophaga pechia	1 1	Heard Singing		
	American Goldfinch	Spinus tristis	1	Heard Singing		
	Bald Eagle	Haliaeetus leucocephalus	1	North to South over wires.		
	Herring Gull Great Black-Backed Gull	Larus argentatus	1 2	North to South under wires		
	Herring Gull	Larus marinas Larus argentatus	1	North to South under wires  North to South over wires.		
	Herring/Black-Backed Gull	Larus sp	15	Loitering on Bridge. All flew North under wires.		
6:15:00	Northern Gannet	Morus bassanus	1	South to North over wires		
	Double-crested Cormorant	Phalacrocorax auritas	3	South to North under wires.		
	Herring Gull Great Black-Backed Gull	Larus argentatus Larus marinas	1	North to South under wires  North to South under wires		
	Double-crested Cormorant	Phalacrocorax auritas	5	South to North under wires through ship canal.		
6:30:00	Double-crested Cormorant	Phalacrocorax auritas	2	South to North over wires		
	Herring Gull	Larus argentatus	2	South to North under wires.		
	Osprey Great Black-Backed Gull	Pandion haliaetus Larus marinas	1	Sitting on tower  South to North over wires		
6:45:00	Herring Gull	Larus argentatus	2	South to North over wires		
	Herring Gull	Larus argentatus	1	South to North under wires.		
	Common Tern	Sterna hirundo	2	North to South under wires		
	Herring Gull Herring Gull	Larus argentatus	1 1	South to North over wires  North to South under wires		
7:00:00	Herring Gull	Larus argentatus  Larus argentatus	9	Loitering near causeway		
	Great Black-Backed Gull	Larus marinas	16	Loitering near causeway		
	Double-crested Cormorant	Phalacrocorax auritas	4	South to North under wires.		
	Great Black-Backed Gull	Larus marinas	1	South to North under wires.		
	Herring Gull Whimbrel	Larus argentatus Numenius phaeopus	2	North to South over wires.  Flying high above wires heading South.		
	Spotted Sandpiper	Actitis macularis	1	On rocks near causeway		
	Common Tern	Sterna hirundo	1	North to South over wires.		
	Common Tern	Sterna hirundo	1	North to South under wires		
	Belted Kingfisher Chipping Sparrow	Megaceryle alcyon Spizella passerina	1 1	Fishing near causeway Heard Singing		
7:15:00	Great Black-Backed Gull	Larus marinas	1	Flying South to North, went over wires. Had to make 5 approaches. Struggled to gain height with no wind.		
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship		

Principle   Common Term   Shorest Number   Individuals    South State State   South State			<u>T</u>		T
Contract Term   Severe Markeds   1   South to Note or view.	Time of Day	Common Name	Scientific Name	No of	Species Behaviour
Control Tell   Service Memory   1   Control build level in Swall core where   Herring Guil   Control Service Memory   Control build where   Control buil				Individuals	•
Participation   Common   Com	07:15:00			1	
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Common Tern Stevan Aboutsob 1   Carpying look again to north through aping created 1   Private Province   1   Private Province   1   Private Province   1   Private Private   1				<u>'</u>	
Common Term 19 Access Annother Section 19 Access Annother 19 Access An					
Wind picking u.S. Pollominaur from the north  Tester invasia  On the property of the property		Common Tern	Sterna nirundo	1	
Will delicate to 15-200m/hour from the profit  77-30-00   Bould-invaluate of the Walter   Confermed purishes   1   Inlend Singling    William Florida   Confermed purishes   1   Inlend Singling    William Florida   Solphage amendoran   1   Inlend Singling    William Singling   Solphage amendoran   1   Solphage solphage solphage    William Singling   Solphage amendoran   1   Solphage amendoran   1   Solphage amendoran    William Singling   Solphage amendoran   1		Common Tern	Sterna hirundo	1	
Herrell Thouse)   Culturation guidases   1   Head Single	14/1	45.000			attempts
Select-crossed Green Warber   1   Head Straphing   Deliveryeard Juniors   Junior Sympholic   1   Head Straphing   Deliveryeard   Deli			Catharia guttataa	1 4	Lloand Cinging
Dark-engel Junco   Autoco-Prientalis   1   Persard Singing	07:30:00			· ·	
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Rod-orespetial Nutharch   Sittle canademses   1   Heard celling   7.4500   Herring Gull   Large apprehisture   1   South to north under wires   1.500   Herring Gull   Large apprehisture   1   South to north under wires   1.500   Herring Gull   Large apprehisture   1   South to north under wires   1.500   Herring Gull   Large apprehisture   1   South to north under wires   1.500   Herring Gull   Large apprehisture   1   South to north under wires   1.500   Herring Gull   Large apprehisture   1   South to north under wires   1.500   Herring Gull   Large apprehisture   1   North to South over view. 1.500   Herring Gull   Large apprehisture   1   North to South over view. 1.500   Herring Gull   Large apprehisture   1   North to South under wires   1.500   Herring Gull   Large apprehisture   1   North to South under wires   1.500   Herring Gull   Large apprehisture   1   North to South under wires   1.500   Herring Gull   Large apprehisture   1   North to South under wires   1.500   Herring Gull   Large apprehisture   1   North to South under wires   1.500   Herring Gull   Large apprehisture   1   North to South under wires   1.500   Herring Gull   Large apprehisture   1   North to South under wires   1.500   Herring Gull   Large apprehisture   1   North to South under wires   1.500   Herring Gull   Large apprehisture   1   North to South under wires   1.500   Herring Gull   Large apprehisture   1   North to South under wires   1.500   Herring Gull   Large apprehisture   1   North to South under wires   1.500   Herring Gull   Large apprehisture   1   North to South under wires   1.500   Herring Gull   Large apprehisture   1   North to South under wires   1.500   Herring Gull   Large apprehisture   1   North to South under wires   1.500   Herring Gull   Large apprehisture   1   North to South under wires   1.500   Herring Gull   Large apprehisture   1   North to South under wires   1.500   Herring Gull   Large apprehisture   1   North to South under wires   1.500   Herring Gull   Large apprehisture   1   North to Sou				1	
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Ferring Gul				1	
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Norther Fisckee  Length Substitute    Norther Fisckee  Length Substitute    Norther South over wires.  South to North under wires.  Double-created Commonant    Pholocrocovas auritas.  1				1	
Herring Gull   Larus argentatus   1   North to South nore wires				1	
Double-crested Commonant   Phalacococons auritas   2   South to North over wires				1	
Herring Gull Larus argentatus 1 North to South under wires Common Tem Sirma hirundo 2 South to North over wires Great Black-Backed Gull Larus marinas 1 North to South under wires Great Black-Backed Gull Larus marinas 1 North to South under wires Great Black Backed Gull Control Phalescroopers aurilias 1 South to north under wires 1 Double-created Commonart Phalescroopers aurilias 1 South to North under wires Individual Phalescroopers aurilias 1 South to North under wires Individual Phalescroopers aurilias 2 South to North under wires Individual Phalescroopers aurilias 2 South to North under wires Individual Phalescroopers aurilias 2 South to North under wires Individual Phalescroopers aurilias 2 South to North under wires Individual Phalescroopers aurilias 3 South to North under wires Individual Phalescroopers aurilias 3 South to North under wires Individual Phalescroopers aurilias 3 South to North under wires Individual Phalescroopers aurilias 3 South to North under wires Individual Phalescroopers aurilias 3 South to North under wires Individual Phalescroopers aurilias 3 South to North under wires Individual Phalescroopers aurilias 5 Four south to North under wires Individual Phalescroopers aurilias 5 Four south to North under wires Individual Phalescroopers aurilias 5 Four south to North under wires Individual Phalescroopers aurilias 5 Four south to North under wires Individual Phalescroopers aurilias 5 Four south to North under wires Individual Phalescroopers aurilias 5 South to north under wires Common Tem Sirema Mirundo 1 South to North under wires Individual Phalescroopers aurilias 5 South to north under wires Individual Phalescroopers aurilias 5 South to north under wires Individual Phalescroopers aurilias 5 South to north under wires Individual Phalescroopers aurilias 5 South to north under wires Individual Phalescroopers aurilias 5 South to north under wires Individual Phalescroopers aurilias 5 South to north under wires Individual Phalescroopers aurilias 5 South to north under wires Individual Phalescr			*	2	
Common Tern   Sterma hirundo   2   South to North over wires					
Great Black-Backed Gull   Larus marinas   1   North to South under wires				2	
Great Blue Heron					
Double-crested Commonant   Phalecrocorax auritas   1   South to north under wires through ship canal.	08:00:00			1	
Great Black-Backed Gull Larus maininas Double-created Commorant Phalacrocorax auritas Double-created Commorant Double-created Commorant Double-created Commorant Double-created Commorant Double-created Commorant Double-created Commorant Phalacrocorax auritas Do			Phalacrocorax auritas	1	
Double-crested Commorant   Phalacroconax auritas   1   South to north under wires		Great Black-Backed Gull	Larus marinas	1	
Double-crested Comorant   Phalacrocorax auritas   1   North to South under wires			Phalacrocorax auritas	1	9 1
Double-crested Comorant   Phalacrocorax auritas   1   North to South under wires		Double-crested Cormorant	Phalacrocorax auritas	2	South to north under wires
Common Term  Stema hirundo  Gratel Black-Backed Gull  Larus marienas  1 South to north under wires  Common Term  Stema hirundo  1 North to South under wires through ship canal  Common Term  Stema hirundo  1 South to north under wires through ship canal  Common Term  Stema hirundo  1 Foraging along north sale of causeway  Herring Gull  Larus argentatus  1 South to north under wires brough ship canal.  Common Term  Stema hirundo  1 Foraging along north sale of causeway  Herring Gull  Larus argentatus  1 South to north under wires  South to north under wires  Great Blue Herron  Ardoa horodias  1 South to north under wires  Great Blue Herron  Ardoa horodias  1 South to north under wires  Common Tern  Stema hirundo  1 Carrying food south to north under wires  The phalacrocorax auritias  1 South to north under wires  South to north under wires  South to north under wires  The phalacrocorax auritias  1 South to north under wires  South to north under wires  South to north under wires  The phalacrocorax auritias  1 South to north under wires  The phalacrocorax auritias  1 South to north under wires  The phalacrocorax auritias  1 North to South wire wire wire wire wire wire wire wire			Phalacrocorax auritas		
Designation from the control of the			0	,	
Great Black-Backed Gull   Larux mannas   1   South to north under wires   Common Tern   Stema hirundo   1   North to South under wires through ship canal   Common Tern   Stema hirundo   1   South to North under wires through ship canal   Common Tern   Stema hirundo   1   South to North under wires horough ship canal   Double-crested Cormorant   Phalacrocorax auritas   5   Four south to north under wires   Double-crested Cormorant   Phalacrocorax auritas   1   South to north under wires   Great Blau Heron   Ardea herodias   1   South to north under wires   Common Tern   Stema hirundo   1   Carrying foot south to north over wires   Common Tern   Stema hirundo   1   Carrying foot south to north over wires   Double-crested Cormorant   Phalacrocorax auritas   1   South to north under wires   Double-crested Cormorant   Phalacrocorax auritas   1   South to north under wires   Double-crested Cormorant   Phalacrocorax auritas   1   South to north under wires   Double-crested Cormorant   Phalacrocorax auritas   1   South to north under wires   Double-crested Cormorant   Phalacrocorax auritas   1   South to north under wires   Double-crested Cormorant   Phalacrocorax auritas   1   South to north under wires   Hering Gill   Morax bassarus   1   North to South under wires   Hering Gill   Isrus argentatus   1   North to South under wires   Blackburnian Warbler   Setophaga fusca   1   Heard Singing   Double-crested Cormorant   Phalacrocorax auritas   1   North to South very wires   Herring Gill   Larus argentatus   1   Heard Singing   Double-crested Cormorant   Phalacrocorax auritas   1   North to South very wires   Herring Gill   Larus argentatus   1   Heard Singing   Double-crested Cormorant   Phalacrocorax auritas   2   South to North very wires   Herring Gill   Larus argentatus   1   South to north under wires   Double-crested Cormorant   Phalacrocorax auritas   1   North to South over wires   Herring Gill   Larus argentatus   1   North to South over wires   Double-crested Cormorant   Phalacrocorax auritas   1   North to		Common Tern	Sterna hirundo	1	
Common Tern   Sterna hirundo   1 North to South under writes through ship canal   Common Tern   Sterna hirundo   1 South to North to South under writes through ship canal   Common Tern   Sterna hirundo   1 Foraging along north side of causeway		Great Black-Backed Gull	Larus marinas	1	
Common Tern   Stema hirundo   1   South to North under wires through ship canal.	08:15:00	Common Tern	Sterna hirundo	1	North to South under wires through ship canal
Common Tem   Stema hirundo   1   Foraging along north side of causeway		Common Tern	Sterna hirundo	1	
Herring Gull   Larus argentatus   1   South to north under wires		Common Tern		1	
Double-crested Cormorant   Phalacrocorax aurilas   5   Four south to north under wires. One backed off wires		Herring Gull	Larus argentatus	1	
Double-crested Cormorant   Phalacrocorax auritas   1   South to north under wires		Double creeted Cormorant	Phalacrocoray auritas	5	Four south to porth under wires. One backed off wires
Great Blue Heron			Filalaciocorax aunitas	5	Pour south to north under wires. One backed on wires
Common Term   Sitema hirundo   1	08:30:00			1	
Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires 1 Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires 1 South to south over wires. 1 South to south over wires 1 South to north under wires 1 South to n		Great Blue Heron	Ardea herodias	1	
Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires and under second set, looked like it had difficulty.  North to South under wires.  North to South under wires Blue-headed Vireo Vireo solitarius 1 North to South under wires Blue-headed Vireo Vireo solitarius 1 Heard Singing Blue-headed Vireo Vireo solitarius 1 Heard Singing Blue-headed Vireo Solitarius 1 Heard Singing Cedar Waxwing Bombycilla cedrorum 5 Heard Singing Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  Herring Gull Larus argentatus 2 South to North over wires Herring Gull Larus argentatus 2 South to North over wires  Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires  Phalacrocorax auritas 1 South to North over wires  Herring Gull Larus argentatus 1 South to North voer wires  Herring Gull Larus argentatus 1 South to North voer wires  Herring Gull Larus argentatus 1 South to North voer wires  Evening Grosbeak Coccothraustes vespertinus 5 Heard east of causeway  Purple Finch Haemorhous purpureus 5 Heard in area  Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  Evening Grosbeak Coccothraustes vespertinus 5 Heard in area  Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  Great Black Heron Ardee herodias 1 North to South over wires.  Ardee herodias 1 North to South over wires.  Herring Gull Larus argentatus 1 North to South over wires.  Herring Gull Larus argentatus 1 North to South over wires.  Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  Herring Gull Larus argentatus 1 North to South over wires.  Double-crested Cormorant Phalacrocorax auritas 1 North to South under wires through ship canal.  Double-crested Cormorant Phalacrocorax auritas 1 North to South under wire		Common Tern	Sterna hirundo	1	
Double-crested Comorant   Phalacrocorax auritas   1   South to north under wires					
Double-crested Cormorant Phalacrocorax auritas 1 Flying south to north, went over first set of wires and under second set, looked like it had difficulty.  Northern Gannet Morus bassanus 1 North to South over wires.  Blue-headed Vireo Vireo solitarius 1 Heard Singing Blackburnian Warbler Setophaga fusca 1 Heard Singing Cedar Wawning Bombycilla cedorurm 5 Heard Singing Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  Herring Gull Larus argentatus 2 South to North over wires Herring Gull Larus argentatus 2 South to North over wires Herring Gull Larus argentatus 2 South to North over wires  99:00:00 Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires Herring Gull Larus argentatus 2 South to north under wires  99:00:00 Double-crested Cormorant Phalacrocorax auritas 2 South to north under wires  Herring Gull Larus argentatus 1 South to North over wires  Great Black-Backed Gull Larus marinas 1 North to South over wires.  Evening Grosbeak Coccothraustes vespertinus 5 Heard east of causeway  Purple Finch Haemorhous purpureus 5 Heard east of causeway  Purple Finch Halaceous suritas 1 North to South over wires.  Common Tem Stema hirundo 3 North to South over wires.  Bald Eagle Haliacetus leucocephalus 1 North to South over wires.  O9:15:00 Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  O9:30:00 Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  Double-crested Cormorant Phalacrocorax auritas 1 North to South under wires through ship canal.  Phalacrocorax auritas 1 North to South under wires through ship canal.  Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires.  Double-crested Cormorant Pha				· -	
08:45:00 Northern Gannet Morus bassanus 1 North to South over wires.  Herring Gull Iarus argentatus 1 North to South under wires Blue-headed Vireo Vireo solitarius 1 Heard Singing Blackburnian Warbler Setophaga fusca 1 Heard Singing Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  Herring Gull Larus argentatus 2 South to North vor wires.  Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  Herring Gull Larus argentatus 2 South to North over wires.  Double-crested Cormorant Phalacrocorax auritas 1 South to North over wires.  Double-crested Cormorant Phalacrocorax auritas 1 South to North over wires.  Great Black-Backed Gull Larus marinas 1 North to South over wires.  Evening Grosbeak Coccothraustes vespertinus 5 Heard east of causeway Purple Finch Haemorhous purpureus 5 Heard east of causeway Purple Finch Haemorhous purpureus 5 Heard east of causeway Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  Great Blue Heron Ardea herodias 1 North to South over wires.  Great Blue Heron Ardea herodias 1 North to South over wires.  Great Blue Heron Ardea herodias 1 North to South over wires.  Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  Herring Gull Larus argentatus 1 North to South over wires.  Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  Double-crested Cormorant Phalacrocorax auritas 1 North to South under wires  Herring Gull Larus argentatus 1 North to South under wires  Herring Gull Larus argentatus 1 North to South under wires  Herring Gull Larus argentatus 1 North to South under wires  Double-crested Cormorant Phalacrocorax auritas 1 North to South under wires  Herring Gull Larus argentatus 1 North to South under wires  Double-crested Cormorant Phalacrocorax auritas 1 North to South under wires  Herring Gull Larus argentatus 1 North to South under wires  Double-crested Cormorant Phalacrocorax auritas		Double-crested Cormorant	Phalacrocorax auritas	1	
Northern Gannet   Morus bassanus   1 North to South over wires.		Double-crested Cormorant	Phalacrocorax auritas	1	
Herring Gull   Iarus argentatus   1 North to South under wires					
Blue-headed Vireo   Vireo solitarius   1   Heard Singing	08:45:00			·	
Blackburnian Warbler   Setophaga fusca   1   Heard Singing				•	
Cedar Waxwing   Bombycilla cedrorum   5   Heard in area				•	
Double-crested Cormorant   Phalacrocorax auritas   1   North to South over wires					
Herring Gull   Larus argentatus   2   South to North over wires					
Herring Gull   Larus argentatus   1   South to north under wires				•	
Double-crested Cormorant   Phalacrocorax auritas   2   South to north under wires					
Herring Gull   Larus argentatus   1   South to North over wires	00.00.00			•	
Great Black-Backed Gull   Larus marinas   1 North to South over wires.	U9.UU.UU				
Evening Grosbeak Purple Finch Haemorhous purpureus Double-crested Cormorant Phalacrocorax auritas Common Tern Bald Eagle Haliaeetus leucocephalus Great Blue Heron Ardea herodias Double-crested Cormorant Herring Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Double-crested Cormorant Herring Gull Larus argentatus Double-crested Cormorant Phalacrocorax auritas Double-crested Cormorant Double-cr				•	
Purple Finch   Haemorhous purpureus   5   Heard in area					
Double-crested Cormorant   Phalacrocorax auritas   1   North to South under wires					
Common Tern   Sterna hirundo   3   North to South over wires.					
Bald Eagle				<u> </u>	
Great Blue Heron Ardea herodias 1 North to South over wires.  Double-crested Cormorant Phalacrocorax auritas 1 North to South under wires  Herring Gull Larus argentatus 1 North to South over wires.  Common Tern Sterna hirundo 1 Fishing along North side of causeway  Herring Gull Larus argentatus 1 South to North under wires through ship canal.  Double-crested Cormorant Phalacrocorax auritas 1 South to North under wires  Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires  Herring Gull Larus argentatus 1 North to South over wires.  Semipalmated Plover Charadrius semipalmatus 1 Seen along shore close to causeway  Herring Gull Larus argentatus 1 North to South under wires through ship canal  Herring Gull Larus argentatus 1 North to South under wires through ship canal  Herring Gull Larus argentatus 1 Seen along shore close to causeway  Herring Gull Larus argentatus 1 South to south over wires. Appeared fairly close to contacting wires.  Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires  Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires  Bank Swallow Riparia riparia 1 South to north through ship canal  North to South over wires.					
Double-crested Cormorant Phalacrocorax auritas 1 North to South under wires  Herring Gull Larus argentatus 1 North to South over wires.  Common Tern Sterna hirundo 1 Fishing along North side of causeway  Herring Gull Larus argentatus 1 South to North under wires through ship canal.  Double-crested Cormorant Phalacrocorax auritas 1 North to South under wires  Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires  Herring Gull Larus argentatus 1 North to South over wires.  Semipalmated Plover Charadrius semipalmatus 1 Seen along shore close to causeway  Herring Gull Larus argentatus 1 North to South under wires through ship canal  Herring Gull Larus argentatus 1 North to South under wires through ship canal  Herring Gull Larus argentatus 1 North to South over wires. Appeared fairly close to contacting wires.  Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires  Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires  Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires  Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires  North to South over wires.  Bank Swallow Riparia riparia 1 South to north through ship canal  Northern Gannet Morus bassanus 3 North to South over wires.					
Herring Gull  Common Tern  Sterna hirundo  Herring Gull  Double-crested Cormorant  Herring Gull  Larus argentatus  Double-crested Cormorant  Herring Gull  Larus argentatus  Double-crested Cormorant  Phalacrocorax auritas  Herring Gull  Larus argentatus  Double-crested Cormorant  Phalacrocorax auritas  Herring Gull  Larus argentatus  Semipalmated Plover  Charadrius semipalmatus  Herring Gull  Larus argentatus  Double-crested Cormorant  Phalacrocorax auritas  Double-crested Cormorant  Phalacrocora	00.15.00			·	
Common Tern   Sterna hirundo   1   Fishing along North side of causeway	ua. 15:00			<u>'</u>	
Herring Gull  Double-crested Cormorant  Phalacrocorax auritas  Double-crested Cormorant  Phalacrocorax auritas  Double-crested Cormorant  Phalacrocorax auritas  Double-crested Cormorant  Herring Gull  Larus argentatus  Semipalmated Plover  Herring Gull  Larus argentatus  Double-crested Cormorant  Herring Gull  Larus argentatus  Double-crested Cormorant  Phalacrocorax auritas  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormor			<u> </u>	1 1	
Double-crested Cormorant Phalacrocorax auritas 1 North to South under wires  Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires  Herring Gull Larus argentatus 1 North to South over wires.  Semipalmated Plover Charadrius semipalmatus 1 Seen along shore close to causeway  Herring Gull Larus argentatus 1 North to South under wires through ship canal  Herring Gull Larus argentatus 1 Flying north to south over wires. Appeared fairly close to contacting wires.  Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires  Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  Bank Swallow Riparia riparia 1 South to north through ship canal  Northern Gannet Morus bassanus 3 North to South over wires.				1 1	
Double-crested CormorantPhalacrocorax auritas1South to north under wiresHerring GullLarus argentatus1North to South over wires.Semipalmated PloverCharadrius semipalmatus1Seen along shore close to causewayHerring GullLarus argentatus1North to South under wires through ship canalHerring GullLarus argentatus1Flying north to south over wires. Appeared fairly close to contacting wires.Double-crested CormorantPhalacrocorax auritas1South to north under wiresDouble-crested CormorantPhalacrocorax auritas1North to South over wires.Bank SwallowRiparia riparia1South to north through ship canalNorthern GannetMorus bassanus3North to South over wires.	00.30.00			1 1	
Herring Gull  Larus argentatus  Charadrius semipalmatus  1 Seen along shore close to causeway  Herring Gull  Larus argentatus  1 North to South under wires through ship canal  Herring Gull  Larus argentatus  1 Flying north to south over wires. Appeared fairly close to contacting wires.  Double-crested Cormorant  Phalacrocorax auritas  Double-crested Cormorant  Phalacrocorax auritas  Double-crested Cormorant  Phalacrocorax auritas  North to South to north under wires  North to South over wires.  South to north through ship canal  Northern Gannet  Morus bassanus  North to South over wires.	U9.3U:UU			1 1	
Semipalmated Plover  Charadrius semipalmatus  1 Seen along shore close to causeway  Herring Gull  Larus argentatus  1 North to South under wires through ship canal  Flying north to south over wires. Appeared fairly close to contacting wires.  Double-crested Cormorant  Phalacrocorax auritas  Double-crested Cormorant  Phalacrocorax auritas  Double-crested Cormorant  Phalacrocorax auritas  North to South over wires.  Bank Swallow  Riparia riparia  Northern Gannet  Morus bassanus  North to South over wires.				•	
Herring Gull Larus argentatus 1 North to South under wires through ship canal Flying north to south over wires. Appeared fairly close to contacting wires.  Double-crested Cormorant Double-crested Cormorant Phalacrocorax auritas Double-crested Cormorant Phalacrocorax auritas Double-crested Cormorant Phalacrocorax auritas North to South over wires.  Bank Swallow Riparia riparia Northern Gannet Morus bassanus 1 North to South over wires. North to South over wires.				· -	
Herring Gull  Larus argentatus  1  Flying north to south over wires. Appeared fairly close to contacting wires.  Double-crested Cormorant  Phalacrocorax auritas  Double-crested Cormorant  Phalacrocorax auritas  North to South to north under wires  North to South over wires.  Bank Swallow  Riparia riparia  Northern Gannet  Morus bassanus  1  Flying north to south over wires. Appeared fairly close to contacting wires.  South to north under wires  North to South over wires.					
Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires  Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  Bank Swallow Riparia riparia 1 South to north through ship canal  Northern Gannet Morus bassanus 3 North to South over wires.		Henring Gull	Larus aryernalus	1	
Double-crested Cormorant Phalacrocorax auritas 1 South to north under wires  Double-crested Cormorant Phalacrocorax auritas 1 North to South over wires.  Bank Swallow Riparia riparia 1 South to north through ship canal  Northern Gannet Morus bassanus 3 North to South over wires.			I am in a unique to true	1	
Double-crested CormorantPhalacrocorax auritas1North to South over wires.Bank SwallowRiparia riparia1South to north through ship canalNorthern GannetMorus bassanus3North to South over wires.		Herring Gull	Larus argentatus		
Bank SwallowRiparia riparia1South to north through ship canalNorthern GannetMorus bassanus3North to South over wires.		· ·			
Northern Gannet Morus bassanus 3 North to South over wires.		Double-crested Cormorant	Phalacrocorax auritas	1	South to north under wires
		Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritas Phalacrocorax auritas	1 1	South to north under wires  North to South over wires.
Herring Gull Larus argentatus 1 North to South over wires.		Double-crested Cormorant Double-crested Cormorant Bank Swallow	Phalacrocorax auritas Phalacrocorax auritas Riparia riparia	1 1 1	South to north under wires  North to South over wires.  South to north through ship canal

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
9:45:00	Lesser Yellowlegs	Tringa flavipes	1	South to north under wires
	Common Raven	Corvus corax	1 1	Loitering on causeway with fledged young
	Herring Gull Great Black-Backed Gull	Larus argentatus Larus marinas	1	North to South over wires.  North to South under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	South to North over wires
	Double-crested Cormorant	Phalacrocorax auritas	2	South to North over wires
	Great Black-Backed Gull	Larus marinas	1	North to south between wires
	Common Tern	Sterna hirundo	1	Foraging on north side of causeway
fternoon Su	rvey: Sunny, wind 25-30 km/hr N		•	, , , , , , , , , , , , , , , , , , , ,
4:00:00	Common Tern	Sterna hirundo	1	North to South under wires through ship canal
	Common Tern	Sterna hirundo	1	Fishing along South side of causeway
	Common Tern	Sterna hirundo	1	Carrying food South to North over wires. Both zig- zagged back and forth while approaching wires,
	Herring Gull	Larus argentatus	1	struggling to gain altitude. South to North under wires.
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires through ship canal.
4:15:00	Northern Gannet	Morus bassanus	2	Foraging well north of causeway.
	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires.
4:30:00	Herring Gull	Larus argentatus	1	South to North over wires
	Herring Gull	Larus argentatus	1	South to North under wires.
4·45·00	Great Black-Backed Gull	Larus marinas	1	North to South over wires.
1:45:00	American Goldfinch	Spinus tristis	5	Heard calling
	Song Sparrow	Melospiza melodia	1	Heard Singing
	American Crow	Corvus brachyrhyncos	8	Loitering near causeway
5:00:00	Common Tern	Sterna hirundo	1	Flying North to South, turned into wind and tried to sail over. Looked like it came very close to contacting wires
	Northern Gannet	Morus bassanus	1	South to North over wires
	Herring Gull	Larus argentatus	1	North to South under wires through ship canal
	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires.
	Great Black-Backed Gull	Larus marinas	1	South to North under wires through ship canal.
	Herring Gull	Larus argentatus	1	South to North under wires through ship canal.
	Common Tern	Sterna hirundo	1	Carrying food South to North over wires.
5:15:00	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires.
	Northern Gannet	Morus bassanus	2	South to North over wires
	Herring Gull	Larus argentatus	1	North to South over wires.
	Herring Gull	Larus argentatus	1	North to South under wires
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South under wires
5:30:00	Common Tern	Sterna hirundo	1	Carrying food south to north under wires
	Herring Gull	Larus argentatus	1	South to North under wires.
	Common Tern	Sterna hirundo	2	North to South under wires through ship canal
	Herring Gull	Larus argentatus	1	South to North under wires through ship canal.
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South under wires
	Herring Gull	larus argentatus	1	South to North under wires.
	Great Black-Backed Gull	Larus marinas	1	South to North over wires, had to gain altitude to get over
5:45:00	Common Tern	Sterna hirundo	1	wires  Carrying food South to North over wires, over land Eas
				of causeway.
	Herring Gull	Larus argentatus	3	North to South under wires
	Bald Eagle	Haliaeetus leucocephalus	1 1	North of causeway, flying across water.
	Common Tern	Sterna hirundo	1 1	Fishing along North side of causeway
6:00:00	Herring Gull	Larus argentatus	1	Flying north to South under wires, just above traffic.
5.00.00	Great Black-Backed Gull Great Black-Backed Gull	Larus marinas Larus marinas	1	North to South over wires.  North to South under wires
	Herring Gull	Larus mannas Larus argentatus	2	North to South under wires through ship canal
	Herring Gull	Larus argentatus	2	North to South under wires
	Common Tern	Sterna hirundo	1	Carrying food south to north under wires
	Common Tern	Sterna hirundo	1	Carrying food South to North over wires over land East
		Sterna hirundo	1	causeway. South to North over wires
2:45:00	Common Tern			
5:15:00	Northern Gannet Great Black-Backed Gull	Morus bassanus	5	Foraging well north of causeway.
	Trateat Black-Backed Citil	Larus marinas	^	
			2	South to North over wires
8:30:00	Northern Gannet	Morus bassanus	1	South to North over wires
3:30:00	Northern Gannet Herring Gull	Morus bassanus Larus argentatus	2 1 1	South to North over wires South to North under wires through ship canal.
6:30:00	Northern Gannet Herring Gull Double-crested Cormorant	Morus bassanus Larus argentatus Phalacrocorax auritas	1 1 1	South to North over wires South to North under wires through ship canal. North to South under wires
5:30:00	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus	1 1 1 3	South to North over wires South to North under wires through ship canal. North to South under wires South to North under wires.
	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo	1 1 1	South to North over wires South to North under wires through ship canal. North to South under wires South to North under wires. North to South over wires. Both had to circle and make second approach.
	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Northern Gannet	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Morus bassanus	1 1 1 3	South to North over wires South to North under wires through ship canal. North to South under wires South to North under wires. North to South over wires. Both had to circle and make second approach. North to South over wires.
	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Northern Gannet Herring Gull	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Morus bassanus Larus argentatus	1 1 1 3	South to North over wires South to North under wires through ship canal. North to South under wires South to North under wires. North to South over wires. Both had to circle and make second approach. North to South over wires. North to South over wires. North to South over wires.
	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Northern Gannet Herring Gull Herring Gull	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Morus bassanus Larus argentatus Larus argentatus Larus argentatus	1 1 1 3	South to North over wires South to North under wires through ship canal. North to South under wires South to North under wires. North to South over wires. Both had to circle and make second approach. North to South over wires. North to South over wires. North to South under wires.
	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Northern Gannet Herring Gull Herring Gull Double-crested Cormorant	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Morus bassanus Larus argentatus Larus argentatus Phalacrocorax auritas	1 1 1 3	South to North over wires  South to North under wires through ship canal.  North to South under wires  South to North under wires.  North to South over wires. Both had to circle and make second approach.  North to South over wires.  North to South over wires.  North to South under wires  North to South under wires
5:45:00	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Northern Gannet Herring Gull Herring Gull Double-crested Cormorant Herring Gull	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Morus bassanus Larus argentatus Larus argentatus Phalacrocorax auritas Larus argentatus Larus argentatus	1 1 1 3	South to North over wires  South to North under wires through ship canal.  North to South under wires.  South to North under wires.  North to South over wires. Both had to circle and make second approach.  North to South over wires.  North to South over wires.  North to South under wires  North to South under wires  South to North under wires.
5:45:00	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Northern Gannet Herring Gull Herring Gull Double-crested Cormorant Herring Gull Common Tern	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Morus bassanus Larus argentatus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo	1 1 1 3	South to North over wires  South to North under wires through ship canal.  North to South under wires.  South to North under wires.  North to South over wires. Both had to circle and make second approach.  North to South over wires.  North to South over wires.  North to South under wires  North to South under wires  South to North under wires.  South to North under wires.
5:45:00	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Northern Gannet Herring Gull Herring Gull Double-crested Cormorant Herring Gull Common Tern Herring Gull	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Morus bassanus Larus argentatus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Larus argentatus	1 1 1 3	South to North over wires  South to North under wires through ship canal.  North to South under wires  South to North under wires.  North to South over wires. Both had to circle and make second approach.  North to South over wires.  North to South over wires.  North to South under wires  North to South under wires  South to North under wires.  South to North under wires through ship canal.  South to North over wires
5:45:00	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Northern Gannet Herring Gull Herring Gull Double-crested Cormorant Herring Gull Common Tern	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Morus bassanus Larus argentatus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo	1 1 1 3	South to North over wires  South to North under wires through ship canal.  North to South under wires.  South to North under wires.  North to South over wires. Both had to circle and make second approach.  North to South over wires.  North to South over wires.  North to South over wires.  North to South under wires  North to South under wires  South to North under wires.  South to North under wires through ship canal.  South to North over wires  South to North under wires.  Flying South to North, went over wires. Had to make 5
5:45:00	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Northern Gannet Herring Gull Herring Gull Double-crested Cormorant Herring Gull Common Tern Herring Gull Common Tern Common Tern	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Morus bassanus Larus argentatus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Larus argentatus Sterna hirundo Sterna hirundo	1 1 1 3 2 1 1 1 1 1 1 1 1	South to North over wires  South to North under wires through ship canal.  North to South under wires.  North to South over wires. Both had to circle and make second approach.  North to South over wires.  North to South over wires.  North to South over wires.  North to South under wires  North to South under wires  South to North under wires  South to North under wires through ship canal.  South to North under wires.  South to North under wires.  Flying South to North, went over wires. Had to make 5 approaches. Stuttered 5 times each approach.
5:45:00	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Northern Gannet Herring Gull Herring Gull Double-crested Cormorant Herring Gull Common Tern Herring Gull Common Tern Common Tern Double-crested Cormorant	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Morus bassanus Larus argentatus Larus argentatus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Larus argentatus Sterna hirundo Sterna hirundo Sterna hirundo Phalacrocorax auritas	1 1 1 3 2 1 1 1 1 1 1 1 1	South to North over wires  South to North under wires through ship canal.  North to South under wires.  South to North under wires.  North to South over wires. Both had to circle and make second approach.  North to South over wires.  North to South over wires.  North to South over wires.  North to South under wires  North to South under wires  South to North under wires.  South to North under wires through ship canal.  South to North under wires.  South to North under wires.  Flying South to North, went over wires. Had to make 5 approaches. Stuttered 5 times each approach.  South to North under wires.
5:45:00	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Northern Gannet Herring Gull Herring Gull Double-crested Cormorant Herring Gull Common Tern Herring Gull Common Tern Common Tern Double-crested Cormorant Herring Gull	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Morus bassanus Larus argentatus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Larus argentatus Sterna hirundo Sterna hirundo Phalacrocorax auritas Larus argentatus Sterna hirundo	1 1 1 3 2 1 1 1 1 1 1 1 1 1 1	South to North over wires  South to North under wires through ship canal.  North to South under wires.  South to North under wires.  North to South over wires. Both had to circle and make second approach.  North to South over wires.  North to South over wires.  North to South under wires  North to South under wires  South to North under wires.  South to North under wires through ship canal.  South to North under wires.  South to North under wires.  Flying South to North, went over wires. Had to make 5 approaches. Stuttered 5 times each approach.  South to North under wires.  North to South under wires.
6:45:00	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Northern Gannet Herring Gull Herring Gull Double-crested Cormorant Herring Gull Common Tern Herring Gull Common Tern Common Tern Double-crested Cormorant	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Morus bassanus Larus argentatus Larus argentatus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Larus argentatus Sterna hirundo Sterna hirundo Sterna hirundo Phalacrocorax auritas	1 1 1 3 2 1 1 1 1 1 1 1 1	South to North over wires  South to North under wires through ship canal.  North to South under wires.  South to North under wires.  North to South over wires. Both had to circle and make second approach.  North to South over wires.  North to South over wires.  North to South over wires.  North to South under wires  North to South under wires  South to North under wires.  South to North under wires through ship canal.  South to North under wires.  South to North under wires.  Flying South to North, went over wires. Had to make 5 approaches. Stuttered 5 times each approach.  South to North under wires.  North to South under wires.  North to South under wires.  North to South under wires
6:45:00	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Northern Gannet Herring Gull Herring Gull Double-crested Cormorant Herring Gull Common Tern Herring Gull Common Tern Common Tern Double-crested Cormorant Herring Gull	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Morus bassanus Larus argentatus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Larus argentatus Sterna hirundo Sterna hirundo Phalacrocorax auritas Larus argentatus Sterna hirundo	1 1 1 3 2 1 1 1 1 1 1 1 1 1 1	South to North over wires  South to North under wires through ship canal.  North to South under wires.  South to North under wires.  North to South over wires. Both had to circle and make second approach.  North to South over wires.  North to South over wires.  North to South under wires  North to South under wires  South to North under wires.  South to North under wires.  South to North under wires through ship canal.  South to North under wires.  South to North under wires.  Flying South to North, went over wires. Had to make 5 approaches. Stuttered 5 times each approach.  South to North under wires.  North to South under wires  North to South under wires  North to South under wires  Carrying food South to North over wires over land East
6:45:00 7:00:00	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Northern Gannet Herring Gull Herring Gull Double-crested Cormorant Herring Gull Common Tern Double-crested Cormorant Herring Gull Great Black-Backed Gull	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Morus bassanus Larus argentatus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Larus argentatus Sterna hirundo Larus argentatus Sterna hirundo Larus argentatus Larus argentatus Larus argentatus Sterna hirundo Larus argentatus Larus argentatus Larus argentatus Larus argentatus Larus argentatus Larus marinas	1 1 1 1 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 2	South to North over wires  South to North under wires through ship canal.  North to South under wires.  South to North under wires.  North to South over wires. Both had to circle and make second approach.  North to South over wires.  North to South over wires.  North to South under wires  North to South under wires  South to North under wires.  South to North under wires through ship canal.  South to North under wires.  South to North under wires.  Flying South to North, went over wires. Had to make 5 approaches. Stuttered 5 times each approach.  South to North under wires.  North to South under wires  North to South under wires  Carrying food South to North over wires over land Eas causeway.  South to North over wires
6:45:00 7:00:00	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Northern Gannet Herring Gull Herring Gull Double-crested Cormorant Herring Gull Common Tern Herring Gull Common Tern Herring Gull Common Tern Herring Gull Common Tern Common Tern Double-crested Cormorant Herring Gull Common Tern Common Tern Double-crested Cormorant Herring Gull Great Black-Backed Gull Common Tern	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Morus bassanus Larus argentatus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Larus argentatus Sterna hirundo Larus argentatus Sterna hirundo Sterna hirundo Sterna hirundo Larus argentatus Sterna hirundo Sterna hirundo Sterna hirundo Phalacrocorax auritas Larus argentatus Larus marinas Sterna hirundo	1 1 1 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1	South to North over wires  South to North under wires through ship canal.  North to South under wires.  South to North under wires.  North to South over wires. Both had to circle and make second approach.  North to South over wires.  North to South over wires.  North to South under wires  North to South under wires  South to North under wires.  South to North under wires.  South to North under wires  South to North over wires.  Flying South to North, went over wires. Had to make 5 approaches. Stuttered 5 times each approach.  South to North under wires.  North to South under wires  North to South under wires  North to South under wires  Carrying food South to North over wires over land East causeway.
6:30:00 6:45:00 7:00:00	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Northern Gannet Herring Gull Herring Gull Double-crested Cormorant Herring Gull Common Tern Herring Gull Common Tern Herring Gull Common Tern Herring Gull Common Tern Common Tern Double-crested Cormorant Herring Gull Common Tern Common Tern Double-crested Cormorant Herring Gull Great Black-Backed Gull Common Tern	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Morus bassanus Larus argentatus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Larus argentatus Sterna hirundo Larus argentatus Sterna hirundo Sterna hirundo Sterna hirundo Larus argentatus Sterna hirundo Sterna hirundo Sterna hirundo Phalacrocorax auritas Larus argentatus Larus marinas Sterna hirundo	1 1 1 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1	South to North over wires  South to North under wires through ship canal.  North to South under wires.  North to South over wires. Both had to circle and make second approach.  North to South over wires.  North to South over wires.  North to South over wires.  North to South under wires  North to South under wires  South to North under wires.  South to North under wires through ship canal.  South to North over wires.  South to North under wires.  Flying South to North, went over wires. Had to make 5 approaches. Stuttered 5 times each approach.  South to North under wires.  North to South under wires  North to South under wires  Carrying food South to North over wires over land Eas causeway.  South to North over wires  30+ Gulls patrolling causeway
6:45:00 7:00:00	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Herring Gull Common Tern Common Tern Double-crested Cormorant Herring Gull Common Tern Common Tern Double-crested Cormorant Herring Gull Great Black-Backed Gull Common Tern Herring Gull Common Tern Double-crested Cormorant Herring Gull Common Tern Double-crested Cormorant	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Morus bassanus Larus argentatus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Larus argentatus Sterna hirundo Sterna hirundo Phalacrocorax auritas Larus argentatus Sterna hirundo Sterna hirundo Phalacrocorax auritas Larus argentatus Larus argentatus Larus marinas Sterna hirundo Larus argentatus	1 1 1 1 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to North over wires  South to North under wires through ship canal.  North to South under wires.  North to South over wires. Both had to circle and make second approach.  North to South over wires.  North to South over wires.  North to South under wires  North to South under wires  North to South under wires  South to North under wires.  South to North under wires through ship canal.  South to North under wires.  Flying South to North, went over wires. Had to make 5 approaches. Stuttered 5 times each approach.  South to North under wires  North to South under wires  North to South under wires  Carrying food South to North over wires over land Eas causeway.  South to North over wires  30+ Gulls patrolling causeway  Flying North to South. 2 went over wires, 3 underwires and 2 between wires. All birds had difficulty, at least 2 looked very close to contacting wires.
6:45:00 7:00:00	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Northern Gannet Herring Gull Herring Gull Double-crested Cormorant Herring Gull Common Tern Herring Gull Common Tern Common Tern Double-crested Cormorant Herring Gull Great Black-Backed Gull Common Tern Herring Gull Great Black-Backed Gull Common Tern Herring Gull Herring Gull Herring Gull Herring Gull	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Morus bassanus Larus argentatus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Larus argentatus Sterna hirundo Larus argentatus Sterna hirundo Larus argentatus Sterna hirundo Phalacrocorax auritas Larus argentatus Larus argentatus Larus argentatus Larus marinas Sterna hirundo Larus argentatus Larus argentatus Larus argentatus Larus argentatus	1 1 1 1 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to North over wires  South to North under wires through ship canal.  North to South under wires.  North to South over wires. Both had to circle and make second approach.  North to South over wires.  North to South over wires.  North to South under wires  North to South under wires  North to South under wires  South to North under wires.  South to North under wires through ship canal.  South to North under wires.  Flying South to North, went over wires. Had to make 5 approaches. Stuttered 5 times each approach.  South to North under wires  North to South under wires  North to South under wires  Carrying food South to North over wires over land Eas causeway.  South to North over wires  30+ Gulls patrolling causeway  Flying North to South. 2 went over wires, 3 underwires and 2 between wires. All birds had difficulty, at least 2 looked very close to contacting wires.  North to South over wires.
6:45:00 7:00:00	Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Northern Gannet Herring Gull Double-crested Cormorant Herring Gull Common Tern Herring Gull Common Tern Common Tern Double-crested Cormorant Herring Gull Common Tern Common Tern Double-crested Cormorant Herring Gull Great Black-Backed Gull Common Tern Herring Gull Common Tern Double-crested Cormorant Herring Gull Common Tern Double-crested Cormorant	Morus bassanus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Morus bassanus Larus argentatus Larus argentatus Phalacrocorax auritas Larus argentatus Sterna hirundo Larus argentatus Sterna hirundo Sterna hirundo Phalacrocorax auritas Larus argentatus Sterna hirundo Sterna hirundo Phalacrocorax auritas Larus argentatus Larus argentatus Larus marinas Sterna hirundo Larus argentatus	1 1 1 1 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South to North over wires  South to North under wires through ship canal.  North to South under wires.  North to South over wires. Both had to circle and make second approach.  North to South over wires.  North to South over wires.  North to South under wires  North to South under wires  North to South under wires  South to North under wires.  South to North under wires through ship canal.  South to North under wires.  Flying South to North, went over wires. Had to make 5 approaches. Stuttered 5 times each approach.  South to North under wires  North to South under wires  North to South under wires  Carrying food South to North over wires over land East causeway.  South to North over wires  30+ Gulls patrolling causeway  Flying North to South. 2 went over wires, 3 underwires and 2 between wires. All birds had difficulty, at least 2 looked very close to contacting wires.

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour		
17:15:00	Common Tern	Sterna hirundo	1	Carrying food South to North over wires, over land East of causeway.		
	Great Black-Backed Gull	Larus marinas	1	South to North under wires.		
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South under wires		
	Great Black-Backed Gull	Larus marinas	2	North to South over wires. Both had to gain altitude.		
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South over wires.		
	Common Tern	Sterna hirundo	1	North to South under wires		
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South over wires.		
17:30:00	Double-crested Cormorant	Phalacrocorax auritas	1	South to North under wires.		
	Herring Gull	Larus argentatus	1	South to North under wires.		
	Herring Gull	Larus argentatus	1	South to North over wires, needed two approaches		
	Double-crested Cormorant	Phalacrocorax auritas	2	North to South under wires		
	Herring Gull	Larus argentatus	1	North to South over wires.		
	Great Black-Backed Gull	Larus marinas	1	South to North under wires through ship canal.		
	Great Black-Backed Gull	Larus marinas	1	North to South over wires, had to gain altitude.		
17:45:00	Herring Gull	Larus argentatus	1	North to south between wires, looked very close to contacting wires.		
	Herring Gull	Larus argentatus	1	North to South under wires		
	Double-crested Cormorant	Phalacrocorax auritas	2	North to South under wires		
	Great Black-Backed Gull	Larus marinas	1	North to South over wires. Turned into wind to gain altitude.		
	Herring Gull	Larus argentatus	1	South to North under wires.		
	Great Black-Backed Gull	Larus marinas	2	South to North under wires.  South to North under wires through ship canal.		
				Hovering between 2 sets of wires as if it was trapped,		
	Common Tern	Sterna hirundo	1	appeared distressed. Eventually made it out and headed south. Looked very close to contacting wires 5 times.		
	Herring Gull	Larus argentatus	1	South to North under wires through ship canal.		
	Common Tern	Sterna hirundo	1	South to North between wires. Made last second adjustments. Had some difficulty.		
	Herring Gull	Larus argentatus	1	North to South under wires, appeared fairly close to contacting wires.		
18:00:00	Common Tern	Sterna hirundo	1	Fishing along North side of causeway		
. 0.00.00	Herring Gull	Larus argentatus	2	South to North under wires.		
	Herring Gull	Larus argentatus	1	North to South under wires		
	Double-crested Cormorant	Phalacrocorax auritas	2	North to South under wires		
	Great Black-Backed Gull	Larus marinas	1	North to South over wires, made 3 attempts. First attemptoked very close to contacting wires.		
18:15:00	Common Tern	Sterna hirundo	1	North to South under wires		
10.10.00	Great Black-Backed Gull	Larus marinas	1	North to South under wires through ship canal		
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South over wires.		
	Herring Gull	Larus argentatus	1	North to South under wires through ship canal		
	Double-crested Cormorant	Phalacrocorax auritas	1	Flying North to South, backed off wires at last second. Circled, went over wires on second approach.		
	Double-crested Cormorant	Phalacrocorax auritas	1	North to South under wires		
	Great Black-Backed Gull	Larus marinas	1	Flying North to South, went under first set of wires and over second set. Appeared difficult, looked close to		
			·	contacting wires.		
	Common Tern	Sterna hirundo	1	Fishing in Ship canal		
	Herring Gull	Larus argentatus	3	North to South over wires.		
	Herring Gull	Larus argentatus	1	North to South over wires. Needed 3 approaches.		
18:30:00	Herring Gull	Larus argentatus Phalacrocorax auritas	1	North to South under wires mode 2 engreeables		
10.30.00	Double-crested Cormorant Great Black-Backed Gull	Larus marinas	1	North to South under wires, made 2 approaches  South to North under wires.		
	Double-crested Cormorant	Phalacrocorax auritas	1	Flying North to South. Flew parallel to wires, circled.  Went over lines on second approach. Looked very close		
			<u> </u>	to contacting top wires.  Flying North to South, turned into wind and tried to sail		
	Common Tern	Sterna hirundo	1	over. Looked like it came very close to contacting wires.		
	Double-crested Cormorant Common Tern	Phalacrocorax auritas Sterna hirundo	1	North to South under wires through ship canal Carrying food South to North over wires, over land East		
			·	of causeway.		
10.1	Common Tern	Sterna hirundo	1	South to North under wires through ship canal.		
18:45:00	Herring Gull	Larus argentatus	1	North to South over wires.		
	Great Black-Backed Gull	larus marinas	1	North to South under wires		
	Herring Gull	Larus argentatus	2	North to South over wires. Both had to circle and make second approach.		
	Northern Gannet	Morus bassanus	1	South to North over wires		
	Herring Gull	Larus argentatus	1	North to South under wires		
	Tiching Odii					
	Common Tern	Sterna hirundo	1	North to South under wires		

Species	Number of Individuals
Opecies	Observed
Alder Flycatcher	1
American Crow	8
American Goldfinch	6
Bald Eagle	6
Bank Swallow	1
Belted Kingfisher	1
Blackburnian Warbler	1
Black-throated Green Warbler	1
Blue-headed Vireo	1
Cedar Waxwing	5
Chipping Sparrow	1
Common Raven	1
Common Tern	84
Dark-eyed Junco	1

Species	Number of Individuals Observed
Double-crested Cormorant	102
European Starling	50
Evening Grosbeak	5
Great Black-Backed Gull	54
Great Blue Heron	3
Hermit Thrush	1
Herring Gull	102
Lesser Yellowlegs	1
Magnolia Warbler	1
Northern Flicker	1
Northern Gannet	21
Northern Parula	1
Osprey	1
Purple Finch	5
Red-breasted Nuthatch	1
Semipalmated Plover	1
Song Sparrow	2
Spotted Sandpiper	1
Whimbrel	1
White-throated Sparrow	1
Yellow Warbler	1
TOTAL	474

Table A13: Spring Active Observation Survey, Canso Causeway Bird Study

Ī	Sur	vey 1	Sur	vey 2	Su	rvey 3	Surv	rev 4	Surv	/ey 5	Surv	rev 6
Species	5-Jun-14	6-Jun-14	12-Jun-14	13-Jun-14	18-Jun-14	19-Jun-14	27-Jun-14	28-Jun-14	6-Jul-14	7-Jul-14	18-Jul-14	19-Jul-14
Alder Flycatcher	1	1	•	-		1	1			1	-	1
American Black Duck	-	-	-	-	-	-	2	-	-	2	-	-
American Crow	6	3	9	13	9	-	8	-	1	-	15	8
American Goldfinch	3	-		-	1	6	2	-	-	-	-	6
American Kestrel	-	-	-	-	-	-	-	-	-	1	-	-
American Redstart  American Robin	1 4	1 6	- 1	-	1 2	1	- 1	2	2	2	-	-
Arctic Tern	1	-	-	-		-	-	-	1	- 2	-	<u> </u>
Bald Eagle	2	-	5	4	-	1	4	3	2	-	1	6
Bank Swallow	-	-	-	-	-	-	-	-	-	-	-	1
Belted Kingfisher	-	-		-	1	1	1	-	-	-	-	1
Black-and-white Warbler	-	-	-	-	-	-	1	-	1	-	-	-
Blackburnian Warbler	-	-		-	1	-	1		1	1	1	1
Black-capped Chickadee	2	-	•	-	-	-	-	-	-	-	-	-
Black-throated Green Warbler	-	-	-	-	-	-	-	1	1	-	-	1
Blue Jay	-	- 1	-	2	-	-	- 1	1	- 1	-	-	<u>-</u> 1
Blue-headed Vireo	<u>1</u>			-	-	-		-		-	-	<u> </u>
Canada Goose Cedar Waxwing	- 16	8 3	-	-	4	-	-	-	-	-	-	<u>-</u> 5
Chestnut Sided Warbler	1	1	-	-	-	-	-		-	-	-	-
Chipping Sparrow	1	-	-	-	-	-	1	-	-	-	-	1
Common Grackle	1	-		-	-	-	-	1	1	-	-	-
Common Loon	-	-	-	1	1	6	5	6	-	-	-	-
Common Merganser	-	-	2	-	-	-	-	-	1	-	-	-
Common Raven	3	2	-	10	2	5	1	-	2	6	5	1
Common Tern Dark-eyed Junco	3	3	12	-	47 1	78	61	68	90	68	109	84 1
Double-crested Cormorant	14	17	25	20	18	24	37	83	67	145	76	102
Eastern Bluebird	1	-		-	-	-	-		-	-	-	-
European Starling	25	25	1	-	12	-	-	-	-	-	-	50
Evening Grosbeak	-	-	-	-	-	-	-	-	-	-	-	5
Golden-crowned Kinglet	-	-		-	-	-	-	-	1	-	-	-
Great Black-Backed Gull	11	11	28	31	8	11	22	12	78	76	65	54
Great Blue Heron	•	-	•	-	-	-	2	1	2	1	6	3
Gull sp.	-	-	4	1	-	-	-	-	-	-	-	-
Hermit Thrush Herring Gull	- 6	- 40	30	- 31	- 6	17	- 44	- 40	94	157	- 110	1 102
Lesser Yellowlegs	-	-	-	-	-	-	-	-	-	-	-	1
Magnolia Warbler	-	1	-	-	-	-	1	1	-	-	1	1
Merlin	-	-		-	-	-	1	-		-	-	•
Northern Flicker	-	-	-	-	-	-	1	-	-	-	-	1
Northern Gannet	-	-	-	-	-	-	107	26	-	5	18	21
Northern Mockingbird	-	-	-	-	-	-	1	-	-	-	-	-
Northern Parula	-	-	-	-	-	1	-		-	1	1	1
Osprey	1	-	-	4	1	1	1	5	1	4	1	1
Pigeon Pine Siskin	-	-	2	1 -	-	-	-	-	-	-	-	<u> </u>
Purple Finch	2	-	-	-	-	-	-	-	-	-	-	5
Red Crossbill	-	-	-	-	-	-	-	9	0	-	-	-
Red Eyed Vireo	-	-	-	-	-	1	-	-	-	-	-	•
Red-breasted Merganser	-	2	i	-	-	-	-	-	•	-	-	-
Red-breasted Nuthatch	-	-	-	-	-	-	-	-	-	-	-	1
Red-eyed Vireo	-	1		-	1	-	-		•	1		-
Red-tailed Hawk	-	-	1	-	-	-	-	-	-	-	-	-
Ring-billed Gull	-	-	-	-	-	-	-	-	-	2	-	-
Ring-necked Duck	- 10	- 11	-	-	-	-	1	-	-	-	-	•
Rock Dove Ruby-crowned Kinglet	10 -	- 11	-	-	6	-	-	-	2	-	-	-
Ruby-crowned Kinglet Ruby-throated Hummingbird	1	-	-	-	1	-	-	1	-	-	-	-
Semipalmated Plover	-	-	-	-	-	-	-	-	-	-	-	1
Song Sparrow	2	3	-	-	1	-	1	1	1	1	1	2
Spotted Sandpiper	-	1		-	-	-	1	1	-	1	2	1
Tem sp	-	-	-	-	-	1	-	-	-	-	-	-
Tree Swallow	4	-	-	-	1	1	-	1	-	-	2	-
Whimbrel	-	-		-		-	-		•	-	-	1
White-throated Sparrow	-	-	-	-	-	-	-	1	-	-	-	1
Willet	-	1	-	-	-	-	-	-	-	-	1	
Yellow Warbler	3	2	-	-	2	1	1	1	3	1	1	1
Yellow-bellied Sapsucker	-	-	-	-	1	-	-	-	-	-	-	-
TOTALS	126	144	120	118	12	8 158	311	266	355	477	416	474
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	Flight Path through NSPI Infrastructure Summary							
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	15	39	4					
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	47	85	7					
	71	88	8					
	107	132	5					
	128	174	10					
	165	108	6					
	144	. 99	7					
	751	901	63					

	Interactions Summary	
Jun-27	Double-crested Cormorant	Hit

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Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
Clear, Wind 10-			1110 01 111411144410	oposios Boliavious
06:15:00	American Crow	Corvus brachyrhynchos	-	Loitering around causeway
	Common Raven	Corvus corax	-	Loitering around causeway
	Song Sparrow	Melospiza melodia	1	Calling
	Great black-backed Gull	Larus marinus	15	Loitering on causeway
	Herring Gull	Larus argentatus	25	Loitering on bridge
06:30:00	Double-crested Cormorant	Phalacrocorax auritus	4	S-N, backed off wires
	Double-crested Cormorant	Phalacrocorax auritus	1	Under lines S-N, dropped altitude at last second to go
				under
06:45:00	American Black Duck	Anas rubripes	3	South of causeway
	Double-crested Cormorant	Phalacrocorax auritus	2	Under lines S-N through ship canal
07:00:00	Double-crested Cormorant	Phalacrocorax auritus	3	Under lines near ship canal
	Double-crested Cormorant	Phalacrocorax auritus	2	Under lines S-N, dropped altitude
	Double-crested Cormorant	Phalacrocorax auritus	25	S-N Some under, some between, most over lines, most
	Double exected Cormorant	Dhalaaraaaray ayritya	25	birds made adjustments S-N, between, under and over
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	25	S-N most underlines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	50	S-N all underlines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	25	S-N most underlines near ship canal
	Double-crested Cormorant	Phalacrocorax auritus	25	S-N
	Double-crested Cormorant	Phalacrocorax auritus	75	All underlines near ship canal
	Double-crested Cormorant	Phalacrocorax auritus	40	All underlines near ship canal
	Double-crested Cormorant	Phalacrocorax auritus	20	S-N under lines near ship canal
	Double-crested Cormorant	Phalacrocorax auritus	45	S-N under lines near ship canal
	Double-crested Cormorant	Phalacrocorax auritus	40	S-N underlines near ship canal
	Double-crested Cormorant	Phalacrocorax auritus	10	S-N under lines near ship canal
	Double-crested Cormorant	Phalacrocorax auritus	10	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	50	S-N under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	75	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	100	S-N most under lines
	Bald Eagle	Haliaeetus leucocephalus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	50	S-N under lines near ship canal
	Double-crested Cormorant	Phalacrocorax auritus	30	S-N under lines near ship canal
	Double-crested Cormorant	Phalacrocorax auritus	25	S-N under lines near ship canal
	Double-crested Cormorant	Phalacrocorax auritus	13	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	30	S-N under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	5	S-N under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	3	2 between, 1 under lines S-N, all made adjustments
	Double-crested Cormorant	Phalacrocorax auritus	18	S-N under lines thorugh ship canal
	Double-crested Cormorant	Phalacrocorax auritus	20	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	10	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	20	S-N under lines. Some troubles
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
07:20:00	Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	9	S-N under lines
07:30:00	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	5	S-N under lines S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	10	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S high above lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	18	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	25	S-N under lines
	Bald Eagle	Haliaeetus leucocephalus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	25	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	10	S-N over lines, some gained altitude
	Herring Gull	Larus argentatus	45	N-S between lines, minor troubles
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N over lines
	Herring Gull	Larus argentatus	6	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	30	S-N over lines, all gained altitude
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Herring Gull	Larus argentatus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	15	S-N low under lines, gained altitude to avoid traffic
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines through ship canal, minor troubles
	Double-crested Cormorant	Phalacrocorax auritus	-	Loitering on causeway
	Double-crested Cormorant	Phalacrocorax auritus	5 2	S-N under lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	1	S-N under lines S-N under lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	20	S-N under lines S-N under lines near ship canal
	Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	1	N-S under lines flear strip carial
08:00:00	Blue Jay	Cyanocitta cristata	25	Loitering over land, flying N
-5.55.55	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Herring Gull	Larus argentatus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	5	S-N under lines
				S-N under lines. Backtracked to gain altitude over traffic
	Double-crested Cormorant	Phalacrocorax auritus	3	flying low.
	Herring Gull	Larus argentatus	1	N-S under lines
08:15:00	Double-crested Cormorant	Phalacrocorax auritus	10	S-N under lines
	Bald Eagle	Haliaeetus leucocephalus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	15	S-N under lines
	Blue Jay	Cyanocitta cristata	30	N-S, over land
	Double-crested Cormorant	Phalacrocorax auritus	9	S-N under lines near ship canal
				IC N. condentines
	Double-crested Cormorant	Phalacrocorax auritus	5	S-N under lines
	Double-crested Cormorant Herring Gull	Larus argentatus	1	S-N under lines
08:30:00	Double-crested Cormorant Herring Gull Double-crested Cormorant	Larus argentatus Phalacrocorax auritus	1 2	S-N under lines S-N under lines through ship canal
08:30:00	Double-crested Cormorant Herring Gull	Larus argentatus	1	S-N under lines

Time of Day 08:30:00	Common Name	Scientific Name	No of Individua	Is Species Behaviour
	Double-crested Cormorant	Phalacrocorax auritus	10	Loitering on bridge and wharf
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	30	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines near ship canal
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines near ship canal
08:45:00	Double-crested Cormorant	Phalacrocorax auritus	10	S-N under lines near ship canal
	Great Blue Heron	Ardea herodias	1	S-N under lines through ship canal
	Great black-backed Gull	Larus marinus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Great black-backed Gull	Larus marinus	1	S-N under lines
	American Crow	Corvus brachyrhynchos	2	N-S over lines
	Belted Kingfisher	Megaceryle alcyon	1	fishing from causeway
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N over lines, high above wires
	American Black Duck	Anas rubripes	1	N-S under lines
	Belted Kingfisher	Megaceryle alcyon	2	fighting under lines over causeway
	Blue Jay	Cyanocitta cristata	15	N-S under lines, east of ship canal
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
00.00.00	Bald Eagle	Haliaeetus leucocephalus	1	S-N over lines
09:00:00	Bald Eagle	Haliaeetus leucocephalus	1	N-S high above wires attempting to cross straight, having difficulty flying into
	Blue Jay	Cyanocitta cristata	3	wind
09:30:00	Bald Eagle Common Raven	Haliaeetus leucocephalus Corvus corax	1 1	N-S soaring high above lines N-S under lines
09:45:00	Great black-backed Gull	Larus marinus	1 1	S-N under lines through ship canal
09.43.00	Great black-backed Gull	Larus marinus	1	S-N between lines
Clear, Wind 20		Laras marinas	'	0-14 between lines
10:00:00	Double-crested Cormorant	Phalacrocorax auritus	8	Loitering on wharf
	Gulls	-	<del>                                     </del>	Several foraging on grass close to causeway
	Boreal chickadee	Poecile hudsonicus	1	Calling east of causeway
	Common Merganser	Mergus merganser	19	S-N under lines
	Herring Gull	Larus argentatus	1	N-S high over wires
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Herring Gull	Larus argentatus	1	S-N under lines
	Great black-backed Gull	Larus marinus	1	N-S over liense
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S through ship canal
	Red-tailed hawk	Buteo jamaicensis	1	N-S under lines E over land
	Blue Jay	Cyanocitta cristata	50	N-S over wires east land
	Double-crested Cormorant	Phalacrocorax auritus	100	Foraging N of causeway with gulls
	Bonaparte's Gull	Chroicocephalus philadelphia	60	Foraging N of causeway
	Black-headed Gull	Chroicocephalus ridibundus	1	Foraging N of causeway
	Herring Gull	Larus argentatus	5	Foraging N of causeway
	Double-crested Cormorant	Phalacrocorax auritus  Larus delawarensis	1 1	N-S unde rlines
	Ring-billed Gull		100	Foraging near causeway  N side of causeway
	Bonaparte's Gull Herring Gull	Chroicocephalus philadelphia	25	IN side of causeway
	Ineming Guii	Larus argentatus	20	
Afternoon Sur				
	rvey: Sunny, Wind 20km/hr N	Phalacrocorax auritus	50	N-S under lines through ship canal
<b>Afternoon Sur</b> 02:45:00	rvey: Sunny, Wind 20km/hr N  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	50	N-S under lines through ship canal
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines through ship canal
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	1 1	N-S under lines through ship canal N-S under lines
02:45:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia	1 1 20	N-S under lines N-S under lines Feeding N of causeway
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	1 1	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines
02:45:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus	1 1 20 1	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines N-S over lines had to gain altitude
02:45:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus	1 1 20 1	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines
02:45:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	1 1 20 1 1 3	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines N-S over lines had to gain altitude N-S under lines, minor adjustments
02:45:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	1 20 1 1 1 3 1 1 1 25	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines N-S over lines had to gain altitude N-S under lines, minor adjustments N-S under lines
02:45:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	1 20 1 1 3 1 1 25 2	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines N-S over lines had to gain altitude N-S under lines, minor adjustments N-S under lines
02:45:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	1 20 1 1 3 1 1 25 2	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines N-S over lines had to gain altitude N-S under lines, minor adjustments N-S under lines
03:00:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus	1 20 1 1 3 1 1 25 2 2	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines N-S over lines had to gain altitude N-S under lines, minor adjustments N-S under lines
02:45:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus	1 1 20 1 1 3 1 1 25 2 2 2 3	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines N-S over lines had to gain altitude N-S under lines, minor adjustments N-S under lines
03:00:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Larus marinus	1 1 20 1 1 3 1 1 25 2 2 3 1	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines N-S over lines had to gain altitude N-S under lines, minor adjustments N-S under lines
03:00:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Great black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus	1 1 20 1 1 3 1 1 25 2 2 2 3 1 1	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines N-S over lines had to gain altitude N-S under lines, minor adjustments N-S under lines
02:45:00 03:00:00 03:15:00 03:30:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus	1 1 20 1 1 3 1 1 25 2 2 2 3 1 1 1	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines N-S over lines had to gain altitude N-S under lines, minor adjustments N-S under lines
03:00:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus	1 1 20 1 1 3 1 1 25 2 2 2 3 1 1 1 1	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines N-S over lines had to gain altitude N-S under lines, minor adjustments N-S under lines
03:45:00 03:00:00 03:15:00 03:30:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus	1 1 20 1 1 3 1 1 25 2 2 2 3 1 1 1 1 1	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines N-S over lines had to gain altitude N-S under lines, minor adjustments N-S under lines
03:45:00 03:00:00 03:15:00 03:30:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Great black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus	1 1 20 1 1 3 1 1 25 2 2 2 3 1 1 1 1 1 1	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines N-S over lines had to gain altitude N-S under lines, minor adjustments N-S under lines N-S over lines, made 3 approaches N-S under lines N-S under lines
03:45:00 03:00:00 03:15:00 03:30:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Great black-backed Gull Great black-backed Gull	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Larus marinus Larus marinus	1 1 20 1 1 3 1 1 25 2 2 2 3 1 1 1 1 1 1 1	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines N-S over lines had to gain altitude N-S under lines, minor adjustments N-S under lines N-S over lines, made 3 approaches N-S under lines N-S under lines N-S under lines
03:45:00 03:00:00 03:15:00 03:30:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Coreat black-backed Gull Cormorant Double-crested Cormorant Coreat black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus	1 1 20 1 1 3 1 1 25 2 2 2 3 1 1 1 1 1 1 1	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines N-S over lines had to gain altitude N-S under lines, minor adjustments N-S under lines
03:45:00 03:00:00 03:15:00 03:30:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus	1 1 20 1 1 3 1 1 25 2 2 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines N-S over lines had to gain altitude N-S under lines, minor adjustments N-S under lines N-S over lines, made 3 approaches N-S under lines
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03:45:00 03:00:00 03:30:00 03:45:00 04:00:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Great black-backed Gull Great black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Great black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus	1 1 20 1 1 1 3 1 1 25 2 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 5 2 1 1 8	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines N-S over lines had to gain altitude N-S under lines, minor adjustments N-S under lines
03:45:00 03:00:00 03:15:00 03:30:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Great black-backed Gull Great black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Great black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus	1 1 20 1 1 1 20 1 1 1 3 1 1 1 25 2 2 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 5 2 1 1 8 1 1 8 1 1	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines N-S over lines had to gain altitude N-S under lines, minor adjustments N-S under lines
03:45:00 03:00:00 03:30:00 03:45:00 04:00:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Great black-backed Gull Great black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great black-backed Gull Double-crested Cormorant Great black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus	1 1 20 1 1 1 3 1 1 25 2 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 5 2 1 1 8	N-S under lines through ship canal N-S under lines Feeding N of causeway N-S under lines N-S over lines had to gain altitude N-S under lines, minor adjustments N-S under lines

	Common Name	Scientific Name	No of Individu	als Species Behaviour
04:30:00	Belted Kingfisher	Megaceryle alcyon	1	
	Bald Eagle	Haliaeetus leucocephalus	1	Soaring high above wires
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S over wires, both did 2 large circles to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
:30:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S, 2 under lines, 1 backed off, circled then went over
	D 11 10 10	10. 1		lines
	Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1 1	N-S over lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	1	N-S under lines N-S under lines
)4:45:00		Filalaciocorax auritus	-	N-S, made 3 attempts at crossing then went between
7.70.00	Double-crested Cormorant	Phalacrocorax auritus	1	lines. Almost hit - CLOSE
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S between lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	26	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S between lines, some trouble
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S backed off made 3 approaches then over
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S between lines
	Double-crested Cormorant	Phalacrocorax auritus	5	Circling to gain altitude, N of causeway
	Double-crested Cormorant	Phalacrocorax auritus	5	N-S, all backed off lines,
5:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off, made 5 approaches appeared to give u
			<del>-</del>	and go back N
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Davida areated Correspond	Dhala are a grey avritus	2	N-S under lines; making to many approaches hard to
	Double-crested Cormorant	Phalacrocorax auritus	3	keep track; some circle all the way to north end of cana
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S between lines, 2 approaches
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S between lines, some trouble
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S between lines, some trouble
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S, 2 approaches then between lines
	Double-crested Cormorant	Phalacrocorax auritus	1	Hit wires, landed on road, dead
5:15:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S between lines, made adjustment
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Herring Gull	Larus argentatus	3	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	6	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	8	N-S under lines
	Double-crested Cormorant	Dhala area area a cuitus		
		Phalacrocorax auritus	2	N-S, flew parallel to lines for altitude then went between
	Herring Gull			lines with some difficulty
5:30:00	Herring Gull Double-crested Cormorant	Larus argentatus	5	lines with some difficulty  Bothering makerel fisherman
5:30:00	Double-crested Cormorant	Larus argentatus Phalacrocorax auritus	5	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches
5:30:00	Double-crested Cormorant Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus		lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines
5:30:00	Double-crested Cormorant Double-crested Cormorant Great Blue Heron	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Ardea herodias	5 1 3 1	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S under lines
5:30:00	Double-crested Cormorant Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus	5 1 3	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines
5:30:00	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Phalacrocorax auritus Phalacrocorax auritus	5 1 3 1 8 14	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines
5:30:00	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Phalacrocorax auritus	5 1 3 1 8	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S under lines  N-S under lines  N-S under lines
5:30:00	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Phalacrocorax auritus Phalacrocorax auritus	5 1 3 1 8 14	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	5 1 3 1 8 14 2	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	5 1 3 1 8 14 2 2 2 20 1	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines  N-S between lines, had trouble
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Phalacrocorax auritus	5 1 3 1 8 14 2 2 20	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Phalacrocorax auritus	5 1 3 1 8 14 2 2 2 20 1 50 8	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S under lines  N-S under lines  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines  N-S between lines, had trouble  N-S most under lines, 1 between lines with trouble  N-S under lines
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Merlin	Larus argentatus  Phalacrocorax auritus  Phalacrocorax auritus  Ardea herodias  Phalacrocorax auritus	5 1 3 1 8 14 2 2 20 1 50	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S under lines  N-S under lines  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines  N-S between lines, had trouble  N-S most under lines, 1 between lines with trouble  N-S under lines  Hunting around causeway
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Merlin Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Phalacrocorax auritus	5 1 3 1 8 14 2 2 2 20 1 50 8	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines  N-S between lines, had trouble  N-S most under lines, 1 between lines with trouble  N-S under lines  Hunting around causeway  N-S over lines, 3 approaches
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Merlin Double-crested Cormorant Great Blue Heron	Larus argentatus  Phalacrocorax auritus  Phalacrocorax auritus  Ardea herodias  Phalacrocorax auritus  Ardea herodias	5 1 3 1 8 14 2 2 2 20 1 50 8 5 1	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines  N-S between lines, had trouble  N-S most under lines, 1 between lines with trouble  N-S under lines  Hunting around causeway  N-S over lines, 3 approaches  N-S under lines
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Merlin Double-crested Cormorant Great Blue Heron Double-crested Cormorant	Larus argentatus  Phalacrocorax auritus  Phalacrocorax auritus  Ardea herodias  Phalacrocorax auritus	5 1 3 1 8 14 2 2 2 20 1 50 8	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines  N-S between lines, had trouble  N-S most under lines, 1 between lines with trouble  N-S under lines  Hunting around causeway  N-S over lines, 3 approaches  N-S under lines  N-S under lines  N-S under lines
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Merlin Double-crested Cormorant Great Blue Heron Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Larus argentatus  Phalacrocorax auritus  Phalacrocorax auritus  Ardea herodias  Phalacrocorax auritus  Ardea herodias  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus	5 1 3 1 8 14 2 2 20 1 50 8 5 1 1 1 25	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S under lines  N-S under lines  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines  N-S between lines, had trouble  N-S most under lines, 1 between lines with trouble  N-S under lines  Hunting around causeway  N-S over lines, 3 approaches  N-S under lines
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Merlin Double-crested Cormorant Great Blue Heron Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Larus argentatus  Phalacrocorax auritus  Phalacrocorax auritus  Ardea herodias  Phalacrocorax auritus	5 1 3 1 8 14 2 2 20 1 50 8 5 1 1 25 1	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines  N-S between lines, had trouble  N-S most under lines, 1 between lines with trouble  N-S under lines  Hunting around causeway  N-S over lines, 3 approaches  N-S under lines
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Merlin Double-crested Cormorant Great Blue Heron Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Larus argentatus  Phalacrocorax auritus  Phalacrocorax auritus  Ardea herodias  Phalacrocorax auritus  Ardea herodias  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus	5 1 3 1 8 14 2 2 20 1 50 8 5 1 1 1 25	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S under lines  N-S under lines  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines  N-S between lines, had trouble  N-S most under lines, 1 between lines with trouble  N-S under lines  Hunting around causeway  N-S over lines, 3 approaches  N-S under lines  N-S between lines, some trouble
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Merlin Double-crested Cormorant Great Blue Heron Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Larus argentatus  Phalacrocorax auritus  Phalacrocorax auritus  Ardea herodias  Phalacrocorax auritus	5 1 3 1 8 14 2 2 20 1 50 8 5 1 1 25 1	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S under lines  N-S under lines  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines  N-S between lines, had trouble  N-S most under lines, 1 between lines with trouble  N-S under lines  Hunting around causeway  N-S over lines, 3 approaches  N-S under lines  N-S, backed off wires, eventually went under  N-S under lines  N-S between lines, some trouble  Some between, over, under. Several close calls, lots of
95:30:00 95:45:00	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Merlin Double-crested Cormorant Great Blue Heron Double-crested Cormorant	Larus argentatus  Phalacrocorax auritus  Phalacrocorax auritus  Ardea herodias  Phalacrocorax auritus	5 1 3 1 8 14 2 2 2 20 1 50 8 5 1 1 25 1 18 1	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S under lines  N-S under lines  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines  N-S between lines, had trouble  N-S most under lines, 1 between lines with trouble  N-S under lines  Hunting around causeway  N-S over lines, 3 approaches  N-S under lines  N-S between lines, some trouble
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Merlin Double-crested Cormorant Great Blue Heron Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Phalacrocorax auritus	5 1 3 1 8 14 2 2 20 1 50 8 5 1 1 25 1 18 1 300 1	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines  N-S between lines, had trouble  N-S most under lines, 1 between lines with trouble  N-S under lines  Hunting around causeway  N-S over lines, 3 approaches  N-S under lines  N-S between lines, some trouble  Some between, over, under. Several close calls, lots of adjustments  N-S looked like it hit wires, tumbled but straightened before landing S of causeway, close call
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Merlin Double-crested Cormorant Great Blue Heron Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Phalacrocorax auritus	5 1 3 1 8 14 2 2 20 1 50 8 5 1 1 25 1 18 1 300 1	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines  N-S between lines, had trouble  N-S most under lines, 1 between lines with trouble  N-S under lines  Hunting around causeway  N-S over lines, 3 approaches  N-S under lines  N-S under lines  N-S under lines  N-S under lines  N-S between lines, some trouble  Some between, over, under. Several close calls, lots of adjustments  N-S looked like it hit wires, tumbled but straightened before landing S of causeway, close call  N-S over lines, had to gain altitude
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Merlin Double-crested Cormorant Great Blue Heron Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Phalacrocorax auritus	5 1 3 1 8 14 2 2 2 20 1 50 8 5 1 1 1 25 1 18 1 300 1 1 20	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines  N-S between lines, had trouble  N-S most under lines, 1 between lines with trouble  N-S under lines  Hunting around causeway  N-S over lines, 3 approaches  N-S under lines  N-S under lines  N-S under lines  N-S under lines  N-S between lines, some trouble  Some between, over, under. Several close calls, lots of adjustments  N-S looked like it hit wires, tumbled but straightened before landing S of causeway, close call  N-S over lines, had to gain altitude  N-S under lines
5:45:00	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Merlin Double-crested Cormorant Great Blue Heron Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Phalacrocorax auritus	5 1 3 1 8 14 2 2 20 1 50 8 5 1 1 25 1 18 1 300 1	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines  N-S between lines, had trouble  N-S most under lines, 1 between lines with trouble  N-S under lines  Hunting around causeway  N-S over lines, 3 approaches  N-S under lines  N-S under lines  N-S under lines  N-S under lines  N-S between lines, some trouble  Some between, over, under. Several close calls, lots of adjustments  N-S looked like it hit wires, tumbled but straightened before landing S of causeway, close call  N-S over lines  N-S under lines  N-S under lines  N-S over lines, had to gain altitude  N-S under lines
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Merlin Double-crested Cormorant Great Blue Heron Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Phalacrocorax auritus	5 1 3 1 8 14 2 2 2 20 1 50 8 5 1 1 1 25 1 18 1 300 1 1 20 2 1	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines  N-S between lines, had trouble  N-S most under lines, 1 between lines with trouble  N-S under lines  Hunting around causeway  N-S over lines, 3 approaches  N-S under lines  N-S under lines  N-S under lines  N-S under lines  N-S between lines, some trouble  Some between, over, under. Several close calls, lots of adjustments  N-S looked like it hit wires, tumbled but straightened before landing S of causeway, close call  N-S over lines, had to gain altitude
5:45:00	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Merlin Double-crested Cormorant Great Blue Heron Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Phalacrocorax auritus	5 1 3 1 8 14 2 2 2 20 1 50 8 5 1 1 25 1 18 1 300 1 1 20 2 1 2	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines  N-S between lines, had trouble  N-S most under lines, 1 between lines with trouble  N-S under lines  Hunting around causeway  N-S over lines, 3 approaches  N-S under lines  N-S under lines  N-S under lines  N-S between lines, some trouble  Some between, over, under. Several close calls, lots of adjustments  N-S looked like it hit wires, tumbled but straightened before landing S of causeway, close call  N-S over lines, had to gain altitude  N-S over lines, had to gain altitude
5:45:00	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Double-crested Cormorant Merlin Double-crested Cormorant Great Blue Heron Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Phalacrocorax auritus	5 1 3 1 8 14 2 2 2 20 1 50 8 5 1 1 1 25 1 18 1 300 1 1 20 2 1	lines with some difficulty  Bothering makerel fisherman  N-S under lines after 2 approaches  N-S under lines  N-S between lines, some trouble, made 2 approaches  N-S back tracked, both circling  N-S under lines  N-S between lines, had trouble  N-S most under lines, 1 between lines with trouble  N-S under lines  Hunting around causeway  N-S over lines, 3 approaches  N-S under lines  N-S under lines  N-S under lines  N-S under lines  N-S between lines, some trouble  Some between, over, under. Several close calls, lots of adjustments  N-S looked like it hit wires, tumbled but straightened before landing S of causeway, close call  N-S over lines, had to gain altitude

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S backed off wires, circling
	Double-crested Cormorant	Phalacrocorax auritus	7	N-S under lines
	Herring Gull	Larus argentatus	1	S-N over lines, had to gain altitude
06:15:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines, 1 made adjustment
	Belted Kingfisher	Megaceryle alcyon	1	Fishing from N end of ship canal
	Bonaparte's Gull	Chroicocephalus philadelphia	30	Fishing at N end of ship canal
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
06:30:00	Great Blue Heron	Ardea herodias	1	Flying west across N harbour
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Belted Kingfisher	Megaceryle alcyon	1	Flying low over causeway, had to avoid traffic
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
06:45:00	Osprey	Pandion haliaetus	1	N-S between lines, caught fish and flew back over lines S-N
	Herring Gull	Larus argentatus	3	S-N over lines, had to gain altitude
	Herring Gull	Larus argentatus	6	N-S under lines through ship canal
	Great black-backed Gull	Larus marinus	1	N-S over lines, had to gain altitude
	Great black-backed Gull	Larus marinus	50	Swimming around N end of ship canal
07:00:00	Herring Gull	Larus argentatus	1	S-N under lines through ship canal
	Bonaparte's Gull	Chroicocephalus philadelphia	2	Feeding on N side of causeway
	Great black-backed Gull	Larus marinus	1	S-N under lines through ship canal
	Great Blue Heron	Ardea herodias	1	N-S under lines through ship canal
	Herring Gull	Larus argentatus	1	S-N over lines
	Great black-backed Gull	Larus marinus	1	N-S under lines
07:15:00	Herring Gull	Larus argentatus	5	Loitering around causeway
	Great Blue Heron	Ardea herodias	1	N-S under lines
	Great Blue Heron	Ardea herodias	1	E-W across N harbour
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	50	S-N over lines, high above wires

Species	Number of Individuals Observed
American Black Duck	4
American Crow	2
Bald Eagle	7
Belted Kingfisher	6
Black-headed Gull	1
Blue Jay	123
Bonaparte's Gull	217
Boreal chickadee	1
Common Merganser	19
Common Raven	1
Double-crested Cormorant	2112
Great black-backed Gull	85
Great Blue Heron	7
Herring Gull	138
Merlin	5
Osprey	1
Pigeon	8
Red-tailed hawk	1
Ring-billed Gull	1
Song Sparrow	1

Time of Day Clear, Wind 10	Common Name 0-15 km/h SE	Scientific Name	No of Individuals	Species Behaviour
06:30:00	Belted Kingfisher	Megaceryle alcyon	1	On causeway
	Great Blue Heron	Ardea herodias	3	On N side of causeway
06:45:00	Common Merganser	Mergus merganser	30	S-N over lines, all had to gain altitude
	Bald Eagle	Haliaeetus leucocephalus	1	Chasing osprey for fish
	Gulls	-	30	N-S, between, over, under. Most going to hang out on bridge
	Bald Eagle	Haliaeetus leucocephalus	2	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Great black-backed Gull	Larus marinus	3	N-S over lines, had to circle once to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Great Blue Heron	Ardea herodias	6	N side of causeway
07:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N between lines, had trouble
07.00.00	Double-crested Commoraint	T Halacrocorax auritus	ı ı	S-N all between lines, two had minor trouble, other 2
	Double-crested Cormorant	Phalacrocorax auritus	4	close calls
	Warbler sp. Double-crested Cormorant	- Dhalassa assumits a	6	N-S over lines, east land route
		Phalacrocorax auritus	30	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	8	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	8	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	12	S-N under lines
	Herring Gull	Larus argentatus	1	S-N, made 4-5 attempts then over
	Double-crested Cormorant	Phalacrocorax auritus	20	S-N over lines, gained altitude
	Double-crested Cormorant	Phalacrocorax auritus	25	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	40	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	20	S-N under lines
07:15:00	Double-crested Cormorant	Phalacrocorax auritus	50	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	50	S-N under lines, one back tracked the went over
	Double-crested Cormorant	Phalacrocorax auritus	20	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	50	S-N some between lines, one struck wires land in water, dead. Several close calls
	Double-crested Cormorant	Phalacrocorax auritus	30	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	100	Between, under lines, several close calls
	Bald Eagle	Haliaeetus leucocephalus	1	N-S over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	10	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	8	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	40	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	10	S-N some between, several had trouble
	Double-crested Cormorant	Phalacrocorax auritus	6	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	10	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	25	S-N under lines
07:30:00	Double-crested Cormorant	Phalacrocorax auritus	20	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	18	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	6	S-N under lines
	Great black-backed Gull	Larus marinus	1	S-N under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	12	S-N under lines
	Blue Jay	Cyanocitta cristata	30	N-S east land route
	Double-crested Cormorant	Phalacrocorax auritus	150	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	30	S-N under lines
	Great black-backed Gull	Larus marinus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	7	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	50	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N between lines, had trouble
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	16	S-N under lines
	Bald Eagle	Haliaeetus leucocephalus	1	N-S over lines
	Herring Gull	Larus argentatus	1	S-N over lines, had to gain altitude
07:45:00	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	9	S-N over lines had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	8	S-N over lines
	Great Blue Heron	Ardea herodias	8	Fishing N side causeway
	Double-crested Cormorant	Phalacrocorax auritus	6	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N 2 approaches then under
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	6	S-N under lines
	Herring Gull	Larus argentatus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	6	S-N under lines
08:00:00	Double-crested Cormorant	Phalacrocorax auritus	20	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	10	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	6	S-N under linese
08:15:00	Gulls	-	5	Foraging around causeway
	American Crow	Corvus brachyrhynchos	5	Foraging around causeway
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N over lines
	Belted Kingfisher	Megaceryle alcyon	1	N-S under lines
		<u> </u>	3	S-N underlines
		Phalacrocoray auritus		
	Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus		IS-N under lines
	Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus	4	S-N under lines
08:30:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	4 1	S-N under lines
08:30:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	4 1 1	S-N under lines S-N under lines
08:30:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	4 1 1 1	S-N under lines S-N under lines N-S underlins
08:30:00	Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	4 1 1 1 3	S-N under lines S-N under lines N-S underlins S-N under lines
08:30:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	4 1 1 1	S-N under lines S-N under lines N-S underlins

Time of Day 08:30:00 AM		A 1 .101 N		
U8:3U:UU V v v	Common Name	Scientific Name		Ils Species Behaviour
UU.SU.UU AIVI	Arctic Tern	Sterna paradisaea	8	N-S over lines, 3 made 2 approaches, 1 made 3
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
08:45:00	Double-crested Cormorant	Phalacrocorax auritus	300	Loitering at N end of ship canal
	Bonaparte's Gull	Chroicocephalus philadelphia	100	Near Aulds Cove
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
09:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Great Blue Heron	Ardea herodias	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines through ship canal
	Great black-backed Gull		1	<u> </u>
00.45.00		Larus marinus		S-N under lines through ship canal
09:15:00	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines through ship canal
	Great Blue Heron	Ardea herodias	2	W-E north of causeway
	Herring Gull	Larus argentatus	2	S-N under lines through ship canal
	Great black-backed Gull	Larus marinus	1	S-N under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Bonaparte's Gull	Chroicocephalus philadelphia	8	Between lines, N-S then back S-N
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N circled once then under lines
	Great black-backed Gull	Larus marinus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
09:30:00	Bonaparte's Gull	Chroicocephalus philadelphia	40	Feeding 800 m N of causeway
00.00.00	Herring Gull	Larus argentatus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
			-	
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
00 15 55	Great Blue Heron	Ardea herodias	1	S-N under lines, had to drop altitude at last minute
09:45:00	Herring Gull	Larus argentatus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines
	Great black-backed Gull	Larus marinus	1	S-N under lines, through ship canal
	Bonaparte's Gull	Chroicocephalus philadelphia		Staying on N side of causeway
	Gulls	-	5	Foraging around causeway
	Herring Gull	Larus argentatus	1	N-S under lines
	Herring Gull	Larus argentatus	1	S-N over lines, 3 approaches
	Belted Kingfisher	Megaceryle alcyon	1	Fishing in ship canal
Cloudy Wind	10-15 km/h SW	mogacoryic dicycri		Trioring in only sandi
09:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines
09.43.00	Herring Gull		3	S-N over lines S-N over lines all gained altitude
	<u> </u>	Larus argentatus		
	Herring Gull	Larus argentatus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines through ship canal
	Blue Jay	Cyanocitta cristata	75	N-S between lines then NW across N harbour to
	Blue day	Gyarrockia cristata	70	mainland
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Blue Jay	0 1 1		
	Dide Jay	Cyanocitta cristata	12	N-S under lines, east land route
	Double-crested Cormorant	Cyanocitta cristata  Phalacrocorax auritus		N-S under lines, east land route S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant Herring Gull	Phalacrocorax auritus Larus argentatus	2 2	S-N under lines S-N both had to circle then over lines
	Double-crested Cormorant Herring Gull Double-crested Cormorant	Phalacrocorax auritus Larus argentatus Phalacrocorax auritus	2 2 2	S-N under lines S-N both had to circle then over lines S-Nunder lines
	Double-crested Cormorant Herring Gull	Phalacrocorax auritus Larus argentatus	2 2	S-N under lines S-N both had to circle then over lines S-Nunder lines S-N turned back at last second, did circle then over,
Afternoon Sur	Double-crested Cormorant Herring Gull Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus	2 2 2	S-N under lines S-N both had to circle then over lines S-Nunder lines
	Double-crested Cormorant Herring Gull Double-crested Cormorant	Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus	2 2 2	S-N under lines S-N both had to circle then over lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call
	Double-crested Cormorant Herring Gull Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus	2 2 2	S-N under lines S-N both had to circle then over lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of
	Double-crested Cormorant Herring Gull Double-crested Cormorant  Double-crested Cormorant  vey: Partly overcast, Wind 20-25k  Double-crested Cormorant	Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus  m/hr W  Phalacrocorax auritus	2 2 2 1	S-N under lines S-N both had to circle then over lines S-Nunder lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island
	Double-crested Cormorant Herring Gull Double-crested Cormorant  Double-crested Cormorant  Evey: Partly overcast, Wind 20-25#  Double-crested Cormorant  Bonaparte's Gull	Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus  m/hr W  Phalacrocorax auritus  Chroicocephalus philadelphia	2 2 2 1 300 5	S-N under lines S-N both had to circle then over lines S-Nunder lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island Feeding with cormorants
	Double-crested Cormorant Herring Gull Double-crested Cormorant  Double-crested Cormorant  Vey: Partly overcast, Wind 20-25  Double-crested Cormorant  Bonaparte's Gull Double-crested Cormorant	Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus  m/hr W  Phalacrocorax auritus  Chroicocephalus philadelphia Phalacrocorax auritus	2 2 2 1 300 5	S-N under lines S-N both had to circle then over lines S-Nunder lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island Feeding with cormorants N-S under linese
	Double-crested Cormorant Herring Gull Double-crested Cormorant  Double-crested Cormorant  Vey: Partly overcast, Wind 20-25  Double-crested Cormorant  Bonaparte's Gull Double-crested Cormorant  Belted Kingfisher	Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus  m/hr W  Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Megaceryle alcyon	2 2 2 1 300 5 1 2	S-N under lines S-N both had to circle then over lines S-Nunder lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island Feeding with cormorants N-S under linese On causeway fishing, fighting
	Double-crested Cormorant Herring Gull Double-crested Cormorant  Double-crested Cormorant  Vey: Partly overcast, Wind 20-25  Double-crested Cormorant  Bonaparte's Gull Double-crested Cormorant	Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus  m/hr W  Phalacrocorax auritus  Chroicocephalus philadelphia Phalacrocorax auritus	2 2 2 1 300 5	S-N under lines S-N both had to circle then over lines S-Nunder lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island Feeding with cormorants N-S under linese
	Double-crested Cormorant Herring Gull Double-crested Cormorant  Double-crested Cormorant  Vey: Partly overcast, Wind 20-25  Double-crested Cormorant  Bonaparte's Gull Double-crested Cormorant  Belted Kingfisher	Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus  m/hr W  Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Megaceryle alcyon	2 2 2 1 300 5 1 2	S-N under lines S-N both had to circle then over lines S-Nunder lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island Feeding with cormorants N-S under linese On causeway fishing, fighting
	Double-crested Cormorant Herring Gull Double-crested Cormorant  Double-crested Cormorant  Vey: Partly overcast, Wind 20-25  Double-crested Cormorant  Bonaparte's Gull Double-crested Cormorant  Belted Kingfisher  Ring-billed Gull Double-crested Cormorant	Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus  m/hr W  Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Megaceryle alcyon Larus delawarensis Phalacrocorax auritus	2 2 2 1 300 5 1 2 2	S-N under lines S-N both had to circle then over lines S-Nunder lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island Feeding with cormorants N-S under linese On causeway fishing, fighting Loitering on causeway N-S under lines
	Double-crested Cormorant Herring Gull Double-crested Cormorant  Double-crested Cormorant  Vey: Partly overcast, Wind 20-25  Double-crested Cormorant  Bonaparte's Gull Double-crested Cormorant  Belted Kingfisher  Ring-billed Gull	Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus  m/hr W Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Megaceryle alcyon Larus delawarensis	2 2 2 1 300 5 1 2 2	S-N under lines S-N both had to circle then over lines S-Nunder lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island Feeding with cormorants N-S under linese On causeway fishing, fighting Loitering on causeway
03:00:00	Double-crested Cormorant Herring Gull Double-crested Cormorant  Double-crested Cormorant  Evey: Partly overcast, Wind 20-25k  Double-crested Cormorant  Bonaparte's Gull Double-crested Cormorant  Belted Kingfisher  Ring-billed Gull  Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus  m/hr W  Phalacrocorax auritus  Chroicocephalus philadelphia Phalacrocorax auritus  Megaceryle alcyon Larus delawarensis Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus	2 2 2 1 300 5 1 2 2 1	S-N under lines S-N both had to circle then over lines S-Nunder lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island Feeding with cormorants N-S under linese On causeway fishing, fighting Loitering on causeway N-S under lines  N-S tried to go over at last second, lost control, close cal
03:00:00	Double-crested Cormorant Herring Gull Double-crested Cormorant  Double-crested Cormorant  Vey: Partly overcast, Wind 20-25  Double-crested Cormorant  Bonaparte's Gull Double-crested Cormorant  Belted Kingfisher Ring-billed Gull Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus  m/hr W  Phalacrocorax auritus  Chroicocephalus philadelphia Phalacrocorax auritus  Megaceryle alcyon Larus delawarensis Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus	2 2 2 1 300 5 1 2 2 1 1	S-N under lines S-N both had to circle then over lines S-Nunder lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island Feeding with cormorants N-S under linese On causeway fishing, fighting Loitering on causeway N-S under lines  N-S tried to go over at last second, lost control, close call S-N under lines near ship canal
03:00:00	Double-crested Cormorant Herring Gull Double-crested Cormorant  Double-crested Cormorant  Pouble-crested Cormorant  Double-crested Cormorant  Bonaparte's Gull Double-crested Cormorant  Belted Kingfisher Ring-billed Gull Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Common Raven	Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus  m/hr W  Phalacrocorax auritus  Chroicocephalus philadelphia Phalacrocorax auritus  Megaceryle alcyon Larus delawarensis Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Corvus corax	2 2 2 1 300 5 1 2 2 1 1 1 2	S-N under lines S-N both had to circle then over lines S-Nunder lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island Feeding with cormorants N-S under linese On causeway fishing, fighting Loitering on causeway N-S under lines N-S tried to go over at last second, lost control, close call S-N under lines near ship canal Patroling causeway
03:00:00	Double-crested Cormorant Herring Gull Double-crested Cormorant  Double-crested Cormorant  Vey: Partly overcast, Wind 20-25  Double-crested Cormorant  Bonaparte's Gull Double-crested Cormorant  Belted Kingfisher Ring-billed Gull Double-crested Cormorant	Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus  mm/hr W  Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Megaceryle alcyon Larus delawarensis Phalacrocorax auritus	2 2 2 1 300 5 1 2 2 1 1 1 2	S-N under lines S-N both had to circle then over lines S-Nunder lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island Feeding with cormorants N-S under linese On causeway fishing, fighting Loitering on causeway N-S under lines  N-S tried to go over at last second, lost control, close call S-N under lines near ship canal Patroling causeway N-S under lines
03:00:00	Double-crested Cormorant Herring Gull Double-crested Cormorant Double-crested Cormorant  Vey: Partly overcast, Wind 20-25N  Double-crested Cormorant  Bonaparte's Gull Double-crested Cormorant  Belted Kingfisher Ring-billed Gull Double-crested Cormorant  Bald Eagle	Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus  mm/hr W  Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Megaceryle alcyon Larus delawarensis Phalacrocorax auritus Haliaeetus leucocephalus	2 2 2 1 300 5 1 2 2 1 1 1 2 1 2	S-N under lines S-N both had to circle then over lines S-Nunder lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island Feeding with cormorants N-S under linese On causeway fishing, fighting Loitering on causeway N-S under lines  N-S tried to go over at last second, lost control, close cal S-N under lines near ship canal Patroling causeway N-S under lines Soaring over N harbour
03:00:00	Double-crested Cormorant Herring Gull Double-crested Cormorant Double-crested Cormorant  vey: Partly overcast, Wind 20-25N  Double-crested Cormorant  Bonaparte's Gull Double-crested Cormorant  Belted Kingfisher Ring-billed Gull Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Common Raven Double-crested Cormorant  Bald Eagle Osprey	Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus  m/hr W  Phalacrocorax auritus Chroicocephalus philadelphia Phalacrocorax auritus Megaceryle alcyon Larus delawarensis Phalacrocorax auritus Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus	2 2 2 1 300 5 1 2 2 1 1 1 2 1 2	S-N under lines S-N both had to circle then over lines S-Nunder lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island Feeding with cormorants N-S under linese On causeway fishing, fighting Loitering on causeway N-S under lines  N-S tried to go over at last second, lost control, close call S-N under lines near ship canal Patroling causeway N-S under lines Soaring over N harbour Soaring over N harbour
03:00:00	Double-crested Cormorant Herring Gull Double-crested Cormorant  Double-crested Cormorant  Vey: Partly overcast, Wind 20-25  Double-crested Cormorant  Bonaparte's Gull Double-crested Cormorant  Belted Kingfisher Ring-billed Gull Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Common Raven Double-crested Cormorant  Bald Eagle Osprey Double-crested Cormorant	Phalacrocorax auritus  Larus argentatus  Phalacrocorax auritus  Phalacrocorax auritus  m/hr W  Phalacrocorax auritus  Chroicocephalus philadelphia  Phalacrocorax auritus  Megaceryle alcyon  Larus delawarensis  Phalacrocorax auritus	2 2 2 1 300 5 1 2 2 1 1 1 2 1 2	S-N under lines S-N both had to circle then over lines S-Nunder lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island Feeding with cormorants N-S under linese On causeway fishing, fighting Loitering on causeway N-S under lines  N-S tried to go over at last second, lost control, close call S-N under lines near ship canal Patroling causeway N-S under lines Soaring over N harbour Soaring over N harbour N-S under lines
03:00:00	Double-crested Cormorant Herring Gull Double-crested Cormorant  Double-crested Cormorant  Vey: Partly overcast, Wind 20-25  Double-crested Cormorant  Bonaparte's Gull Double-crested Cormorant  Belted Kingfisher Ring-billed Gull Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Common Raven Double-crested Cormorant  Bald Eagle Osprey Double-crested Cormorant Osprey	Phalacrocorax auritus  Larus argentatus  Phalacrocorax auritus  Phalacrocorax auritus  m/hr W  Phalacrocorax auritus  Chroicocephalus philadelphia  Phalacrocorax auritus  Megaceryle alcyon  Larus delawarensis  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Corvus corax  Phalacrocorax auritus  Haliaeetus leucocephalus  Pandion haliaetus  Pandion haliaetus  Pandion haliaetus	2 2 2 1 300 5 1 2 2 1 1 2 1 2 1 1 2	S-N under lines S-N both had to circle then over lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island Feeding with cormorants N-S under linese On causeway fishing, fighting Loitering on causeway N-S under lines  N-S tried to go over at last second, lost control, close call S-N under lines near ship canal Patroling causeway N-S under lines Soaring over N harbour Soaring over N harbour N-S under lines S-N between lines, had trouble
03:00:00	Double-crested Cormorant Herring Gull Double-crested Cormorant  Double-crested Cormorant  Vey: Partly overcast, Wind 20-25  Double-crested Cormorant  Bonaparte's Gull Double-crested Cormorant  Belted Kingfisher Ring-billed Gull Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Common Raven Double-crested Cormorant  Bald Eagle Osprey Double-crested Cormorant Osprey Double-crested Cormorant	Phalacrocorax auritus  Larus argentatus  Phalacrocorax auritus  Phalacrocorax auritus  Important w  Phalacrocorax auritus  Chroicocephalus philadelphia  Phalacrocorax auritus  Megaceryle alcyon  Larus delawarensis  Phalacrocorax auritus	2 2 2 1 300 5 1 2 2 1 1 2 1 2 1 2 1 2	S-N under lines S-N both had to circle then over lines S-Nunder lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island Feeding with cormorants N-S under linese On causeway fishing, fighting Loitering on causeway N-S under lines  N-S tried to go over at last second, lost control, close call S-N under lines near ship canal Patroling causeway N-S under lines Soaring over N harbour Soaring over N harbour N-S under lines S-N between lines, had trouble N-S under lines
03:00:00	Double-crested Cormorant Herring Gull Double-crested Cormorant  Double-crested Cormorant  Pouble-crested Cormorant  Double-crested Cormorant  Bonaparte's Gull Double-crested Cormorant  Belted Kingfisher Ring-billed Gull Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Common Raven Double-crested Cormorant  Bald Eagle Osprey Double-crested Cormorant Osprey Double-crested Cormorant Double-crested Cormorant Osprey Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus  Larus argentatus  Phalacrocorax auritus  Phalacrocorax auritus  Important W  Phalacrocorax auritus  Chroicocephalus philadelphia  Phalacrocorax auritus  Megaceryle alcyon  Larus delawarensis  Phalacrocorax auritus	2 2 2 1 300 5 1 2 2 2 1 1 2 1 2 1 2 1 2 2 1	S-N under lines S-N both had to circle then over lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island Feeding with cormorants N-S under linese On causeway fishing, fighting Loitering on causeway N-S under lines  N-S tried to go over at last second, lost control, close call S-N under lines near ship canal Patroling causeway N-S under lines Soaring over N harbour Soaring over N harbour N-S under lines S-N between lines, had trouble N-S under lines N-S under lines N-S under lines
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03:00:00 03:15:00 03:30:00	Double-crested Cormorant Herring Gull Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Bonaparte's Gull Double-crested Cormorant  Belted Kingfisher Ring-billed Gull Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Common Raven Double-crested Cormorant  Bald Eagle Osprey Double-crested Cormorant  Osprey Double-crested Cormorant	Phalacrocorax auritus  Larus argentatus  Phalacrocorax auritus  Phalacrocorax auritus  Im/hr W  Phalacrocorax auritus  Chroicocephalus philadelphia  Phalacrocorax auritus  Megaceryle alcyon  Larus delawarensis  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Corvus corax  Phalacrocorax auritus  Haliaeetus leucocephalus  Pandion haliaetus  Phalacrocorax auritus	2 2 2 1 300 5 1 1 2 2 1 1 1 2 1 1 2 2 2 2 2 2 2 2 2	S-N under lines S-N both had to circle then over lines S-Nunder lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island Feeding with cormorants N-S under linese On causeway fishing, fighting Loitering on causeway N-S under lines N-S tried to go over at last second, lost control, close cates of lines N-S under lines Soaring causeway N-S under lines Soaring over N harbour Soaring over N harbour N-S under lines S-N between lines, had trouble N-S under lines
Afternoon Sur       03:00:00       03:15:00       03:30:00	Double-crested Cormorant Herring Gull Double-crested Cormorant Double-crested Cormorant  Ivey: Partly overcast, Wind 20-25I  Double-crested Cormorant Bonaparte's Gull Double-crested Cormorant Belted Kingfisher Ring-billed Gull Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Common Raven Double-crested Cormorant Bald Eagle Osprey Double-crested Cormorant Osprey Double-crested Cormorant	Phalacrocorax auritus  Larus argentatus  Phalacrocorax auritus  Phalacrocorax auritus  Im/hr W  Phalacrocorax auritus  Chroicocephalus philadelphia  Phalacrocorax auritus  Megaceryle alcyon  Larus delawarensis  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Corvus corax  Phalacrocorax auritus  Haliaeetus leucocephalus  Pandion haliaetus  Phalacrocorax auritus  Phalacrocorax auritus	2 2 2 1 300 5 1 1 2 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2	S-N under lines S-N both had to circle then over lines S-Nunder lines S-N turned back at last second, did circle then over, close to wires, close call  Feeding frenzy on N side of Causeway just west of lighthouse island Feeding with cormorants N-S under linese On causeway fishing, fighting Loitering on causeway N-S under lines N-S tried to go over at last second, lost control, close cates of soaring over N harbour Soaring over N harbour Soaring over N harbour N-S under lines S-N between lines, had trouble N-S under lines

Distalla control Commonant Projections on authority 1 1 94 under literia 1 1 95 under literia 1 95 under literi	Time of Day	Common Name	Scientific Name	No of Individuals	Species Rehaviour
Double created Common   President Common   1   1   5   Norther Interest					
Double-created Commonat	04.00.00				
Double-created Commonst			-	· ·	
Dubbe-created Commont   Present Common			-		
Decide-content Commonant   Philaderscore aurations   2   No. Standard lines		Double-crested Cormorant	Phalacrocorax auritus	9	N-S under lines, 1 made 2 attempts
Description Commontal   Prissistonomora ambigue   10   No. Student lines near ship careal		Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
Description Commontal   Prissistonomora ambigue   10   No. Student lines near ship careal		Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
Debuts   Commonst   Productions   10   No. Surder lines					
Double-created Commont   Philadecocons activities   3   No. 5 under lines					
Professor Community					
Deutschercheid Commonster Philaderborouse aurillus 3 New Lucret Intes  Deutschercheid Commonster Philaderborouse aurillus 2 New Student Intes promoter aurillus 2 New Student Intes 2 New Student In			-		
Double-created Commonant   Probabococors aurillos   5   No. Sunder lines					
Double-created Commant   Phabacocorea auxiliars   2 NS under lines	04:15:00	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
Opublic-resisted Command Protectopans activate Opublic-resisted Command		Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
Opublic-resisted Command Protectopans activate Opublic-resisted Command		Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
Depulse-created Commant   Phateoconce auxiliars   2 N. S. under lines	04:30:00	Great black-backed Gull			
Disable created Commonant   Philabococomia autoriss   2 NS under lines	0 1.00.00				
0.04500 Bottle Crigorian I Protectionaria August 1 N.S. under lines Common Reven Common Reven Common Reven Common Reven Common Reven 1 N.S. under lines Common Reven 1 N.S. under lines Common Reven Common Reven Common Reven Common Reven Common Revenue Common Reven Common Revenue Common Reven					
Bested Kinginihar  Common Revert  Co					
Common Review   Convex consists   1				· ·	
Herring Gull   Caros argunetates   2 N. S. under lines	04:45:00	Belted Kingfisher	Megaceryle alcyon	1	
Double-created Commant Phalamcoorax aurhus Double-created Commant Double-created Comma		Common Raven	Corvus corax	1	N-S under lines
Double-created Commant Phalamcoorax aurhus Double-created Commant Double-created Comma		Herring Gull	Larus argentatus	2	N-S under lines
Double-created Commant Phalemonorae aurhus Double-created Commant Double-created			<u> </u>		N-S backed off wires, second approach under lines
Double-created Commorant   Phalacrococcus aurilus   16 N S over lines, gaz approach					
Double-crested Commorant   Photocroprova various   16   N-S under lines					
Great black-backed Gull  Auris grantinus  Neuring Gull  Janus angenitatus  1 N.S. proprosels virens Laxed off at last second, second, second approach over times  Doubbe-created Commonant  Phalabrococrax attribus  12 N.S. under lines  13 N.S. proprosels virens Laxed off at last second, second approach over times  Doubbe-created Commonant  Phalabrococrax attribus  Doubbe-created Commonant  Phalabrococrax attribus  Doubbe-created Commonant  Phalabrococrax attribus  Doubbe-created Commonant  Phalabrococrax attri				-	
Herring Gull   Lorus argentatus   1   N-S approach over lines					
Double-created Commorant Piece		Great black-backed Gull	Larus marinus	2	N-S under lines through ship canal
Double-created Commorant Piece		Harring Coll	Lamia and the first		N-S approach wires, backed off at last second, second
Double-created Commorant   Philaborocona auritus   12   N.S. under lines   S.A.		nemng Gull	Larus argentatus	1	
Bald Eagle   Halsenburs Buckneophalus   1   Several attempts finally over lines S-N	05:00:00	Double-crested Cormorant	Phalacrocoray auritus	12	1 ''
Double-crested Commant   Phisiconcorax auritus   2   SN. under lines	00.00.00				
Double-created Commorant   Phaleconcorax auritus   10   S.N. under lines		ŭ	·		
Double-crested Commant   Phalacrocorax auritus   12   S.N. under lines					
Double-crested Cormorant   Phalacroconex auritus   12   S-N under lines		Double-crested Cormorant	Phalacrocorax auritus	10	S-N under lines
Double-crested Cormorant   Phalacroconex auritus   12   S-N under lines		Double-crested Cormorant	Phalacrocorax auritus	6	S-N under lines
Double-crested Cormorant   Philipsocropia auritus   50   S. N. under lines				12	
Double-crested Cormorant   Phalacroconax auritus   1 N.S. barked off wires					
Double-crested Cormorant Phaleococorax auritus 50 NS under lines Double-crested Cormorant Phaleococorax auritus 50 NS our lines had to gain altitude 10 Double-crested Cormorant Phaleococorax auritus 50 NS our lines (Scared by large truck and went back N under lines Double-crested Cormorant Phaleococorax auritus 20 Most under lines NS, several backed off wires 20 Double-crested Cormorant Phaleococorax auritus 30 NS under lines NS, several backed off wires 20 Double-crested Cormorant Phaleococorax auritus 30 NS under lines NS, several backed off wires 20 Double-crested Cormorant Phaleococorax auritus 30 NS under lines NS packed off wires, gained altitude then over lines 20 NS and several backed off NS NS most under lines NS no ver lines 30 NS under lines 30 NS experal backed off NS NS most under lines 30 NS under	05.45.00				
Double-crested Cormorant   Phalacrocorax auritus   1 N-S over lines had to gain attitude	05:15:00				
Double-crested Cormorant   Phabacrocorax aurilus   50   N-S under lines, scared by large truck and went back N under lines   Double-crested Cormorant   Phabacrocorax aurilus   20   Most under lines   N-S, several backed off wires   Double-crested Cormorant   Phabacrocorax aurilus   30   N-S under lines   N-S between lines, had some trouble   Double-crested Cormorant   Phabacrocorax aurilus   30   N-S under lines   N-S between lines, had some trouble   Double-crested Cormorant   Prabacrocorax aurilus   50   N-S most under lines, several backed off   Bonagarie's Guil   Christocoephale philadelphis   8   S-N over lines   S-N ove			Phalacrocorax auritus	50	
Dublie-crested Commorant Phalacrocora auritus 1 N.S between lines, several backed off wires Dublie-crested Commorant Phalacrocora auritus 1 N.S between lines, several backed off wires Dublie-crested Commorant Phalacrocora auritus 1 N.S between lines, several backed off wires Dublie-crested Commorant Phalacrocora auritus 1 N.S between lines, several backed off wires, gained altitude then over lines Dublie-crested Commorant Phalacrocora auritus 50 N.S most efficies, several backed off Science auritus 50 N.S most efficies, several backed off Science Auritus 50 N.S most efficies, several backed off Science Auritus 50 N.S most efficies, several backed off Science Auritus 50 N.S most efficies, several backed off Science Auritus 50 N.S most efficies, several backed off Science Auritus 50 N.S most efficies several backed off Science Auritus 50 N.S most efficies several backed off Science Auritus 50 N.S most efficies several backed off Science Auritus 50 N.S most efficies several backed off Science Auritus 50 N.S most efficies several backed off Science Auritus 50 N.S most efficies several backed off Science Auritus 50 N.S most efficies several backed off Science Auritus 50 N.S most efficies several backed off Science Auritus 50 N.S most efficies several backed off Science Auritus 50 N.S most efficies several backed off Science Auritus 50 N.S most efficies several backed off Science Auritus 50 N.S most efficies several backed off Science Auritus 50 N.S most efficies several backed off Science Auritus 50 N.S most efficies several backed off Science Auritus 50 N.S most efficies several backed off Science Auritus 50 N.S most efficies several backed off Science Auritus 50 N.S cover lines 50 N.S under lines		Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines had to gain altitude
Dublie-crested Commorant Phalacrocora auritus 1 N.S between lines, several backed off wires Dublie-crested Commorant Phalacrocora auritus 1 N.S between lines, several backed off wires Dublie-crested Commorant Phalacrocora auritus 1 N.S between lines, several backed off wires Dublie-crested Commorant Phalacrocora auritus 1 N.S between lines, several backed off wires, gained altitude then over lines Dublie-crested Commorant Phalacrocora auritus 50 N.S most lines, several backed off Science Commorant Phalacrocora auritus 50 N.S most lines, several backed off Science Commorant Science Commorant Phalacrocora auritus 20 N.S most lines, several backed off Science Commorant C		B. 11	St. 1	50	N-S under lines, scared by large truck and went back N
Double-crested Cormorant Phalacrocorax auritus 1 N.S. between lines, hat some trouble Double-crested Cormorant Phalacrocorax auritus 1 N.S. between lines, hat some trouble Double-crested Cormorant Phalacrocorax auritus 30 N.S. under lines B.S., several backed off with Corporation and the Corporation of the Corporati		Double-crested Cormorant	Phalacrocorax auritus	50	
Double-crested Cormorant Phalecrocorax auritus 1 N-S between lines, had some trouble Double-crested Cormorant Phalecrocorax auritus 3 N-S under lines gained altitude then over lines Double-crested Cormorant Phalecrocorax auritus 5 N-S backed off wires gained altitude then over lines Double-crested Cormorant Phalecrocorax auritus 5 N-S very lines S-N over lines Corporate Cormorant Phalecrocorax auritus 2 N-S very lines S-N over lines Corporate Cormorant Phalecrocorax auritus 3 N-S over lines gained altitude Double-crested Cormorant Phalecrocorax auritus 3 N-S over lines gained altitude Double-crested Cormorant Phalecrocorax auritus 3 N-S over lines Corporate Cormorant Phalecrocorax auritus 3 N-S over lines Corporate Cormorant Phalecrocorax auritus 3 N-S over lines Corporate Cormorant Phalecrocorax auritus 15 N-S under lines Double-crested Cormorant Phalecrocorax auritus 15 N-S under lines Corporax auritus 15 N-S under lines		Double-creeted Cormorant	Phalacrocoray auritus	20	
Double-crested Commorant   Phalacrocorax auritius   30 N-S under lines					·
Bonaparte's Gull					
Double-crested Cormorant   Phalacrocorex auritus   50   N-S most under lines, several backed off Bonaparte's Guill   Ornoicocopephatus philodelphia   8   S-N over lines					
Songaparte's Guil   Chroicocephalus phiedelphie   8   S-N over lines		Bonaparte's Gull	i i i		
Double-crested Commorant   Phalecrocorax auritus   20 N-S under lines		Double-crested Cormorant	Phalacrocorax auritus	50	N-S most under lines, several backed off
Double-crested Commorant   Phalecrocorax auritus   20 N-S under lines		Bonaparte's Gull	Chroicocephalus philadelphia	8	S-N over lines
Herring Gull Double-crested Cormorant Phaberocorax auritus Double-crested Cormorant Double-crested Cormorant Phaberocorax auritus Double-crested Cormorant Do	05:30:00		<del> </del>		
Double-crested Cormorant   Phabercocorax auritus   20   N.S. under lines	00.00.00				
Double-crested Cormorant   Phalacrocorax auritus   15 N-S backed off wires					
Double-crested Cormorant   Phalacrocorax auritus   15   N-S under lines					
Double-crested Cormorant   Phalacrocorax auritus   1   N-S backed off wires at last second					
Double-crested Cormorant		Double-crested Cormorant	· ·	15	
Double-crested Cormorant   Phalacrocorax auritus   25		Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off wires at last second
Double-crested Cormorant   Phalacrocorax auritus   25		Double-crested Cormorant	Phalacrocorax auritus	15	N-S under lines
Double-crested Cormorant   Phalacrocorax auritus   1					
Double-crested Cormorant   Phalacrocorax auritus   1   S-N under lines near ship canal		Double-crested Cormorant	Phalacrocorax auritus	25	<u> </u>
Double-crested Cormorant   Phalacrocorax auritus   5   N-S under lines		Davida anastad Camaranat	Distriction	4	
Double-crested Cormorant   Phalacrocorax auritus   5   N-S under lines			· ·		
Double-crested Cormorant					
Double-crested Cormorant   Phalacrocorax auritus   3   N-S backed off lines		Double-crested Cormorant			
Double-crested Cormorant   Phalacrocorax auritus   30 N-S over lines		Double-crested Cormorant	Phalacrocorax auritus	2	N-S over lines
Double-crested Cormorant   Phalacrocorax auritus   30 N-S over lines	05:45:00	Double-crested Cormorant	Phalacrocorax auritus	3	N-S backed off lines
Double-crested Cormorant   Phalacrocorax auritus   30 N-S under lines			-		
Double-crested Cormorant   Phalacrocorax auritus   3   N-S over lines					
Double-crested Cormorant   Phalacrocorax auritus   3   N-S backed off wires					
Double-crested Cormorant   Phalacrocorax auritus   1 N-S over lines had trouble					
Double-crested Cormorant			· ·		
Double-crested Cormorant   Phalacrocorax auritus   1   N-S between lines had trouble				30	
Double-crested Cormorant   Phalacrocorax auritus   1   N-S between lines had trouble		Double-crested Cormorant	Phalacrocorax auritus	1	
Double-crested Cormorant   Phalacrocorax auritus   12   N-S under lines		Double-crested Cormorant		1	N-S between lines had trouble
Double-crested Cormorant   Phalacrocorax auritus   1   N-S over lines				-	
Double-crested Cormorant   Phalacrocorax auritus   20 N-S under lines			-		
Double-crested Cormorant   Phalacrocorax auritus   25   N-S under lines				·	
Double-crested Cormorant   Phalacrocorax auritus   30   N-S under lines					
Double-crested Cormorant   Phalacrocorax auritus   1					
Double-crested Cormorant   Phalacrocorax auritus   40   N-S under lines					
Double-crested Cormorant   Phalacrocorax auritus   40   N-S under lines		Double-crested Cormorant	Phalacrocorax auritus	1	N-S between lines, close call
Double-crested Cormorant Phalacrocorax auritus 2 N-S backed off wires Double-crested Cormorant Phalacrocorax auritus 1 N-S over lines Double-crested Cormorant Phalacrocorax auritus 1 N-S over lines Double-crested Cormorant Phalacrocorax auritus 6 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 8 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 9 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 9 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 40 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 2 S-N under lines  Double-crested Cormorant Phalacrocorax auritus 40 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 40 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 40 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 400 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 50 N-S under lines				40	
Double-crested Cormorant   Phalacrocorax auritus   2   N-S backed off wires					
Double-crested Cormorant   Phalacrocorax auritus   1   N-S over lines					
Double-crested Cormorant   Phalacrocorax auritus   6   N-S under lines					
Double-crested Cormorant   Phalacrocorax auritus   8   N-S under lines					
Double-crested Cormorant   Phalacrocorax auritus   8   N-S under lines		Double-crested Cormorant			N-S under lines
Double-crested CormorantPhalacrocorax auritus9N-S under linesDouble-crested CormorantPhalacrocorax auritus40N-S under linesDouble-crested CormorantPhalacrocorax auritus2S-N under linesDouble-crested CormorantPhalacrocorax auritus40N-S under linesDouble-crested CormorantPhalacrocorax auritus400N-S under lines, a few backed off, 1 over linesDouble-crested CormorantPhalacrocorax auritus50N-S under lines	06:00:00	Double-crested Cormorant	Phalacrocorax auritus	8	N-S under lines
Double-crested CormorantPhalacrocorax auritus40N-S under linesDouble-crested CormorantPhalacrocorax auritus2S-N under linesDouble-crested CormorantPhalacrocorax auritus40N-S under linesDouble-crested CormorantPhalacrocorax auritus400N-S under lines, a few backed off, 1 over linesDouble-crested CormorantPhalacrocorax auritus50N-S under lines			i		
Double-crested CormorantPhalacrocorax auritus2S-N under linesDouble-crested CormorantPhalacrocorax auritus40N-S under linesDouble-crested CormorantPhalacrocorax auritus400N-S under lines, a few backed off, 1 over linesDouble-crested CormorantPhalacrocorax auritus50N-S under lines	Ī				
Double-crested CormorantPhalacrocorax auritus40N-S under linesDouble-crested CormorantPhalacrocorax auritus400N-S under lines, a few backed off, 1 over linesDouble-crested CormorantPhalacrocorax auritus50N-S under lines	Ī				
Double-crested Cormorant Phalacrocorax auritus 400 N-S under lines, a few backed off, 1 over lines  Double-crested Cormorant Phalacrocorax auritus 50 N-S under lines					
Double-crested Cormorant Phalacrocorax auritus 50 N-S under lines					
		Double-crested Cormorant	Phalacrocorax auritus		
		Double-crested Cormorant	Phalacrocorax auritus	50	N-S under lines
I IDOUDIO OFOTOGO CONTROLER I I HARAGO CONTRA CONTRA I I INCOLORIA CONTRA CONTR		Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off wires, 3 approaches, over lines

Date September 18, 2014

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
06:15:00	Double-crested Cormorant	Phalacrocorax auritus	20	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	16	N-S under lines, 1 avoided truck
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed of wires, 3 approaches, under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	12	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	15	N-S under lines
	Great black-backed Gull	Larus marinus	1	N-S high above wires
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off wires
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines
06:30:00	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	40	N-S over lines
	Great Blue Heron	Ardea herodias	1	N-S under lines
	Osprey	Pandion haliaetus	1	With fish N-S east land route over lines
	Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
	Great black-backed Gull	Larus marinus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
6:45:00	Herring Gull	Larus argentatus	2	S-N over lines
	Herring Gull	Larus argentatus	3	Travelling back and forth through ship canal
	Great black-backed Gull	Larus marinus	3	S-N under lines
7:00:00	Great black-backed Gull	Larus marinus	1	S-N between lines, had trouble
	Herring Gull	Larus argentatus	1	S-N over lines
	Gulls	-		Hovering around causeway
7:15:00	Belted Kingfisher	Megaceryle alcyon	1	Fishing in ship canal
	Great black-backed Gull	Larus marinus	1	Hovering above ship canal, almost sailed into wires, some trouble

Species	Number of Individuals Observed
American Crow	5
Arctic Tern	8
Bald Eagle	11
Belted Kingfisher	7
Blue Jay	117
Bonaparte's Gull	172
Common Merganser	30
Common Raven	5
Double-crested Cormorant	3086
Great black-backed Gull	20
Great Blue Heron	22
Gulls	40
Herring Gull	29
Osprey	3
Red-tailed Hawk	1
Ring-billed Gull	2
Warbler sp.	6

Time of Day	Common Nama	Colontific Name	No of health days le	Charles Debavious
Time of Day Raining, Wind	Common Name 70-90 km/h SE visibility very pool	Scientific Name	INO of individuals	Species Behaviour
06:45:00				Blown into N harbour, managed to get back in air, scared
	Great Blue Heron	Ardea herodias	1	by truck
	Double-crested Cormorant	Phalacrocorax auritus	50	S-N over lines turning into wind, gaining altitude then over. Having trouble, many dropping into south harbour.
	Double-crested Cormorant	Phalacrocorax auritus	50	S-N
	Double-crested Cormorant	Phalacrocorax auritus	50	Under, between and over lines, having trouble with wind, some drop in S.Harbour
07:30:00	Double-crested Cormorant	Phalacrocorax auritus	50	Many dropping in S.Harbour
	Double-crested Cormorant	Phalacrocorax auritus	40	Most dropping in S. Harbour
	Double-crested Cormorant	Phalacrocorax auritus	12	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	25	Few under lines, most S.Harbour
	Double-crested Cormorant	Phalacrocorax auritus	50	Half over lines, half S.Harbour
	Double-crested Cormorant	Phalacrocorax auritus	50	Most over lines
	Double-crested Cormorant	Phalacrocorax auritus	50	Most over lines, some from S. Harbour
	Ring-billed Gull Double-crested Cormorant	Larus delawarensis Phalacrocorax auritus	1 1	S-N under lines S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	50	Took off from S.Harbour. Some over line S-N, other dropped back.
07:45:00	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
01110100	Double-crested Cormorant	Phalacrocorax auritus	12	Under and over lines, some trouble
	Double-crested Cormorant	Phalacrocorax auritus	75	Taking of from S.Harbour, some over lines some under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	5	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines
08:00:00	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	100	S-N most over lines fairly high, some under lines, several stayed in S. Harbour
	Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	9	S-N over lines
	Double-crested Cormorant Great Black-backed Gull	Larus marinus	3 2	S-N under lines Hovering over causeway
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	75	S-N, 40+ over lines, few under lines, 20 stayed in S.Harbour
08:15:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	25	In S.Harbour, waiting to cross
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N over lines
	Northern Gannet	Morus bassanus	1	Flying over S. Harbour
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
08:30:00	Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	1	S-N over lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	2	S-N under lines S-N over lines
	Common Merganser	Mergus merganser	3	In S. Harbour
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	S-N over lines
08:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N between lines, not too much trouble
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
09:00:00	Great Black-backed Gull	Larus marinus	1	Loitering on South wharf
	Herring Gull	Larus argentatus	4	Loitering on South wharf
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N over lines
09:15:00	Double-crested Cormorant Bonaparte's Gull	Phalacrocorax auritus Chroicocephalus philadelphia	2	Approach lines S-N, stay in S.Harbour In S. Harbour
ua. 10.00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines S-N over lines, turn into wind then over
	Bonaparte's Gull	Chroicocephalus philadelphia	2	S-N, both between , both had trouble
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
09:30:00	Double-crested Cormorant	Phalacrocorax auritus	2	S-N turn into wind then over lines after gaining altitude
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	15	S-N, 9 over lines, 2 between lines with some trouble, 1 under linese, and 3 stayed in S. Harbour
	Double-crested Cormorant	Phalacrocorax auritus	6	S-N, 5 over lines, 1 under lines. Had to turn into wind for altitude.
	Double-crested Cormorant	Phalacrocorax auritus	4	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	4	S-N over lines aftern turn into wind
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N over lines, turn into wind then over
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
09:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines, turn into wind then over
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines, east over land
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N turn into wind then over lines after gaining altitude
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines, turn into wind then over
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N turn into wind then over lines after gaining altitude

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Time of Day	Common Name	Scientific Name		s Species Behaviour
10:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N between lines, not too much trouble
	American Crow	Corvus brachyrhynchos	7	Loitering on S side of causeway on grass
	Herring Gull	Larus argentatus	73	Loitering N of causeway
10:15:00	Great Black-backed Gull	Larus marinus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines, low over causeway
Sky clearing,				
10:15:00	Double-crested Cormorant	Phalacrocorax auritus	3	Over lines, turn into wind and gain altitude
10:30:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	American Black duck	Anas rubripes	2	In S. Harbour
	Herring Gull	Larus argentatus	1	N-S over lines
	Great Black-backed Gull	Larus marinus	1	S-N under lines
10:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	25	Loitering on S. side of causeway
	Great Black-backed Gull	Larus marinus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Great Black-backed Gull	Larus marinus	1	S-N over lines
	rvey: Sunny, Wind 30-40km/hr W	Tour :	1 .	Tana a m
02:45:00	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Bald Eagle	Haliaeetus leucocephalus	1	S-N over lines
	Gulls	-	5	Several gulls on south wharf
03:00:00	Double-crested Cormorant	Phalacrocorax auritus	20	On south wharf
03:15:00	Bonaparte's Gull	Chroicocephalus philadelphia	6	Fishing N of causeway
	Great Black-backed Gull	Larus marinus	1	S-N under lines
03:30:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	150	Flew from N wharf all under lines N-S
00.45.55	Double-crested Cormorant	Phalacrocorax auritus	2	N-S over lines
03:45:00	Great Black-backed Gull	Larus marinus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	8	N-S under lines
	Great Black-backed Gull	Larus marinus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	17	4 over lines, 13 under lines, N-S
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	8	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
04:00:00	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Great Black-backed Gull	Larus marinus	9	S-N under lines
04:15:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Herring Gull	Larus argentatus	1	High over lines, S-N
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
04:30:00	Sharp-shinned Hawk	Accipiter striatus	1	Flying over land east of causeway
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Bald Eagle	Haliaeetus leucocephalus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	12	N-S, 9 under lines, 3 backed off wires
	Double-crested Cormorant	Phalacrocorax auritus	6	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	14	N-S, 10 under lines, 4 backed off
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S, 2 under lines, 2 backed off
04:45:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S between lines, had some trouble
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	8	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S, 2 approaches, under lines
	Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus	6	N-S under lines
	Double-crested Cormorant		· .	
	Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Larus marinus	6 5 1	N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Larus marinus Chroicocephalus philadelphia	6 5 1 20	N-S under lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull	Phalacrocorax auritus Phalacrocorax auritus Larus marinus	6 5 1	N-S under lines N-S under lines N-S under lines Feeding N of causeway N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Bonaparte's Gull	Phalacrocorax auritus Phalacrocorax auritus Larus marinus Chroicocephalus philadelphia	6 5 1 20	N-S under lines N-S under lines N-S under lines Feeding N of causeway N-S under lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Herring Gull	Phalacrocorax auritus Phalacrocorax auritus Larus marinus Chroicocephalus philadelphia Phalacrocorax auritus	6 5 1 20 8 3	N-S under lines N-S under lines N-S under lines Feeding N of causeway N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Larus marinus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Phalacrocorax auritus	6 5 1 20 8 3	N-S under lines N-S under lines N-S under lines Feeding N of causeway N-S under lines N-S under lines
05:00:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Herring Gull	Phalacrocorax auritus Phalacrocorax auritus Larus marinus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Larus argentatus	6 5 1 20 8 3	N-S under lines N-S under lines N-S under lines Feeding N of causeway N-S under lines N-S under lines N-S under lines N-S under lines
05:00:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Larus marinus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	6 5 1 20 8 3 1 2 1 50	N-S under lines N-S under lines N-S under lines Feeding N of causeway N-S under lines
05:00:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Larus marinus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	6 5 1 20 8 3 1 2	N-S under lines N-S under lines N-S under lines Feeding N of causeway N-S under lines
05:00:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Larus marinus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	6 5 1 20 8 3 1 2 1 50	N-S under lines N-S under lines N-S under lines Feeding N of causeway N-S under lines through ship canal N-S under lines
05:00:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Larus marinus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	6 5 1 20 8 3 1 2 1 50 30	N-S under lines N-S under lines N-S under lines Feeding N of causeway N-S under lines
05:00:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Larus marinus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Phalacrocorax auritus	6 5 1 20 8 3 1 2 1 50 30	N-S under lines N-S under lines N-S under lines Feeding N of causeway N-S under lines
05:00:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Larus marinus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Phalacrocorax auritus	6 5 1 20 8 3 1 2 1 50 30 15	N-S under lines N-S under lines N-S under lines Feeding N of causeway N-S under lines
05:00:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Bonaparte's Gull Double-crested Cormorant Herring Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Larus marinus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Phalacrocorax auritus	6 5 1 20 8 3 1 2 1 50 30 15 20 10	N-S under lines N-S under lines N-S under lines Feeding N of causeway N-S under lines N-S, 14 over lives, 1 backed off N-S under lines N-S under lines
05:00:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Bonaparte's Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Larus marinus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Phalacrocorax auritus	6 5 1 20 8 3 1 2 1 50 30 15 20	N-S under lines N-S under lines N-S under lines Feeding N of causeway N-S under lines through ship canal N-S under lines N-S, 14 over lives, 1 backed off N-S under lines N-S under lines N-S under lines N-S detween lines, had some trouble N-S, flew parallel with wires into wind gaining altitude
05:00:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Bonaparte's Gull Double-crested Cormorant Herring Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Larus marinus Chroicocephalus philadelphia Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Phalacrocorax auritus	6 5 1 20 8 3 1 2 1 50 30 15 20 10	N-S under lines N-S under lines N-S under lines Feeding N of causeway N-S under lines N-S, 14 over lives, 1 backed off N-S under lines N-S under lines N-S under lines N-S between lines, had some trouble

Time of Day	Common Name	Scientific Name	No of Individua	Is Species Behaviour
05:15:00				N-S , 1 between lines minor trouble, 1 over lines and 5
	Double-crested Cormorant	Phalacrocorax auritus	7	under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines through ship canal
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	6	N-S under lines N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	8	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off wires
05:30:00	Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
	Bald Eagle	Haliaeetus leucocephalus	1	S-N under lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	7	N-S under lines N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	4	N-S under lines N-S under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Bald Eagle	Haliaeetus leucocephalus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	10	N-S under lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	6 4	N-S under lines N-S under lines through ship canal
	Herring Gull	Larus argentatus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S flew parallel to lines then over
05:45:00	Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	20	N-S under lines N-S under lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	1	N-S backed off wires
	Great Black-backed Gull	Larus marinus	1	N-S under lines
	Herring Gull	Larus argentatus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	25	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	20	N-S, 3 under lines, 17 over lines
00.00.00	Great Black-backed Gull	Larus marinus	3	N-S over lines
06:00:00	Herring Gull Great Black-backed Gull	Larus argentatus  Larus marinus	2	N-S under lines through ship canal N-S under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	6	N-S, 5 under lines, 1 backed off flew parallel then over
				·
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	30 50	N-S under lines N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	15	N-S under lines N-S under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	40	N-S underlines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	15	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	8 2	N-S under lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	2	N-S under lines N-S under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	10	N-S underlines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	2 12	N-S over lines N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	7	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off wires
06:15:00	Double-crested Cormorant	Phalacrocorax auritus	9	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	15 4	N-S over lines through ship canal
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	2	N-S under lines through ship canal N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	7	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	8	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines through ship canal
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	10 8	N-S under lines through ship canal N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	8	N-S under lines
	Great Blue Heron	Ardea herodias	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	100	98 under lines, 1 between lines with trouble, 1 backed of
	Double-crested Cormorant	Phalacrocorax auritus	21	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	25	N-S most over lines, 2 between lines with trouble, 3 backed off
	Double-crested Cormorant	Phalacrocorax auritus	15	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	13	N-S under lines
16·20·00	Herring Gull	Larus argentatus	1 1	N-S between lines with trouble
06:30:00	Sharp-shinned Hawk Double-crested Cormorant	Accipiter striatus  Phalacrocorax auritus	3	N-S over lines east land route N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	9	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
20.45.00	Herring Gull	Larus argentatus	1	N-S under lines
06:45:00	Great Black-backed Gull Great Blue Heron	Larus marinus	2	N-S under lines E-W across N.Harbour
	Double-crested Cormorant	Ardea herodias  Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	2	N-S, 1 backed off, 1 under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off at last second
	Great Black-backed Gull	Larus marinus	30	Loitering on grass N of causeway

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
07:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines through ship canal
07:15:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S over lines

Species	Number of Individuals Observed
American Black duck	2
American Crow	7
Bald Eagle	4
Bonaparte's Gull	30
Common Merganser	3
Double-crested Cormorant	2018
Great Black-backed Gull	55
Great Blue Heron	4
Gulls	5
Herring Gull	87
Northern Gannet	1
Ring-billed Gull	1
Sharp-shinned Hawk	2

Time of Day	Common Name	Scientific Name	No of Individua	als Species Behaviour
	t, Wind 20 km/h NW			
06:45:00	Double-crested Cormorant	Phalacrocorax auritus	20	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	25	S-N under lines
07:00:00	Double-crested Cormorant	Phalacrocorax auritus	60	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	Under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	200	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	70	S-N under lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus	40 40	S-N under lines S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	25	S-N
	Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	25	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	75	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	75	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	60	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	50	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	75	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	50	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	10	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	8	S-N under lines
07:15:00	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	20	S-N under lines
	Herring Gull	Larus argentatus	1	N-S over lines
	Herring Gull	Larus argentatus	2	N-S under lines
	Ring-billed Gull	Larus delawarensis	1	S-N under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	15	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Common Loon	Gavia immer	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	25	S-N under lines
07:30:00	Common Merganser  Double-crested Cormorant	Mergus merganser Phalacrocorax auritus	7 4	S-N over lines S-N under lines
07.30.00	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	1	S-N under lines
07:45:00	Great Blue Heron	Ardea herodias	1 1	- Is and on the s
57.40.00	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
08:00:00	Great Black-backed Gull	Larus marinus	2	S-N under lines
	Great Black-backed Gull	Larus marinus	25	N-S over lines
	Herring Gull	Larus argentatus	5	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off, circled then over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Great Black-backed Gull	Larus marinus	1	N-S under lines through ship canal
	Bald Eagle	Haliaeetus leucocephalus	1	N-S over lines
08:15:00	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N over lines
Wind 30-40km/	Great Black-backed Gull	Larus marinus	1	N-S under lines
08:15:00	Gulls	1_		Loitering around causeway
08:45:00	Herring Gull	Larus argentatus	1	N-S under lines through ship canal
00.43.00	Double-crested Cormorant	Phalacrocorax auritus	† †	N-S between lines, not much trouble
	Common Raven	Corvus corax	<del>† 1</del>	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1 1	S-N under lines
09:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Herring Gull	Larus argentatus	2	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Herring Gull	Larus argentatus	2	N-S over lines
09:15:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Northern Gannet	Morus bassanus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
09:30:00	Blue Jay	Cyanocitta cristata	1	S-N over lines
	Great Black-backed Gull	Larus marinus	1	N-S over lines
	Herring Gull	Larus argentatus	2	S-N under lines
Wind 40-50 km	Ring-billed Gull	Larus delawarensis	1 1	On causeway
09:45:00	Common Raven	Corvus corax	1	Hovering under lines along causeway
00.70.00	American Crow	Corvus corax Corvus brachyrhynchos	50	East of ship canal flying over trees
10:00:00	Great Blue Heron	Ardea herodias	1	N-S over lines
. 5.55.55	American Goldfinch	Spinus tristis	2	Flying east to west over harbour
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	200	Loitering on north wharf
	Northern Harrier	Circus cyaneus	1	Tried to fly fly over harbour but wind too strong
Wind 50+ km/h				
10:00:00	American Crow	Corvus brachyrhynchos	3	N-S over lines
	Bald Eagle	Haliaeetus leucocephalus	1	Soaring high over lines N-S, 2 more soaring over N
		า เลและชเนง เชนบบบัยมาเลเนร	1	Harbour
	<u> </u>			O M seem lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines
	Double-crested Cormorant vey: Sunny, wind 50km/hr N		·	
	Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	1	N-S under lines
Afternoon Surv 03:00:00	Double-crested Cormorant vey: Sunny, wind 50km/hr N		·	
	Double-crested Cormorant vey: Sunny, wind 50km/hr N Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines N-S, 2 over lines, one between lines, looked like it grazed
03:00:00	Double-crested Cormorant  vey: Sunny, wind 50km/hr N  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Common Raven	Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Corvus corax	1 7	N-S under lines N-S, 2 over lines, one between lines, looked like it grazed wires, close call, 4 under lines N-S backed of wires at last second, turning into wind, struggling to more forward, then going back over lines Patroling causeway
	Double-crested Cormorant  vey: Sunny, wind 50km/hr N  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus	1 7 4	N-S under lines N-S, 2 over lines, one between lines, looked like it grazed wires, close call, 4 under lines N-S backed of wires at last second, turning into wind, struggling to more forward, then going back over lines

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Time of Day	Common Name	Scientific Name	No of Individual	Species Behaviour
03:30:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S, 1 under lines, 1 backed off
03:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N through ship canal under lines, 2 approaches
04:00:00	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Herring Gull	Larus argentatus	<del>-</del> 1	S-N under lines through ship canal
04:15:00	Double-crested Cormorant	Phalacrocorax auritus	1 1	N-S under lines
04.15.00			1	N-S under lines
	Herring Gull	Larus argentatus	•	
0.4.00.00	Great Black-backed Gull	Larus marinus	1	N-S over lines, turn into wind then over
04:30:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S turn into wind then over, 3 approaches
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
04:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S backed off wires
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
05:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	7	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S backed off, 2 approaches, over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	2 backed off, 1 under lines
				,
	Double-crested Cormorant	Phalacrocorax auritus	3	2 backed off, 3 approaches over lines, 1 under lines
	Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
05:15:00	Double-crested Cormorant	Phalacrocorax auritus	9	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S backed off
	Double-crested Cormorant	Phalacrocorax auritus	8	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	9	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S backed off wires, circled, under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S turn into wind, over lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Bald Eagle	Haliaeetus leucocephalus	1	N-S high over lines
	Double-crested Cormorant	Phalacrocorax auritus	7	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S backed off wires, 2 approaches, over lines
05:30:00	Double-crested Cormorant	Phalacrocorax auritus	15	N-S underlines
	Double-crested Cormorant	Phalacrocorax auritus	9	N-S, 8 under lines, 1 backed off
	Davible areated Correspond	Dholographay avritus	7	N-S, all backed off, went under lines after watching
	Double-crested Cormorant	Phalacrocorax auritus	7	another cormorant do it
	Double-crested Cormorant	Phalacrocorax auritus	23	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	9	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S over lines
		Phalacrocorax auritus	2	N-S, 1 under, 1 over, had trouble
	Double-crested Cormorant		_	
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines first set, over second set, close call
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	9	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	20	N-S under lines
05:45:00	Double-crested Cormorant	Phalacrocorax auritus	6	N-S
	Double-crested Cormorant	Phalacrocorax auritus	25	N-S, 3 backed off, 22 under lines
	Double-crested Cormorant	Phalacrocorax auritus	30	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	backed off wires
	Double-crested Cormorant	Phalacrocorax auritus	9	N-S under lines, 2 through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	6	N-S 2 over lines, 4 under lines
Wind 40 km/hr		Thalactocorax auritus	0	IN-3 2 Over lines, 4 drider lines
		DI1	1 44	N. O double of
05:45:00	Double-crested Cormorant	Phalacrocorax auritus	11	N-S under lines
	Bonaparte's Gull	Chroicocephalus philadelphia	100	Feeding north of canal
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	9	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S over lines
06:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off wires
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines, 1 through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	6	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S high over lines
	Great Blue Heron	Ardea herodias	1 1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S backed off wires
	DOUDIE-CLESIED COMORANT	CUAIACIOCOTAX AUTITUS		TOP. 3 DACKED OU WITES
			_	
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S turn into wind, under lines through ship canal
	Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	1 4	N-S turn into wind, under lines through ship canal N-S under lines
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias	1 4 1	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull	Phalacrocorax auritus Phalacrocorax auritus	1 4 1 5	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call.
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias	1 4 1	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines
Wind 30-40 km	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus	1 4 1 5	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call.
Wind 30-40 km	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus	1 4 1 5	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call.
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant Whr Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus Phalacrocorax auritus	1 4 1 5 4	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant //hr Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus  Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	1 4 1 5 4	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant Whr Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus Phalacrocorax auritus	1 4 1 5 4	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines N-S under lines N-S under lines N-S, 1 under lines, 6 turn into wind then over, 2 came
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant Nhr Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus  Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	1 4 1 5 4 2 9	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines N-S under lines N-S, 1 under lines, 6 turn into wind then over, 2 came close
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant  Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus  Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	1 4 1 5 4 2 9 7	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines N-S under lines N-S, 1 under lines, 6 turn into wind then over, 2 came close N-S under lines
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant  Double-crested Cormorant Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus  Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	1 4 1 5 4 2 9 7 9	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines N-S under lines N-S, 1 under lines, 6 turn into wind then over, 2 came close N-S under lines Backed off wires, then over lines
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant  Double-crested Cormorant Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus  Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	1 4 1 5 4 2 9 7 9 2 9	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines N-S under lines N-S, 1 under lines, 6 turn into wind then over, 2 came close N-S under lines Backed off wires, then over lines N-S over lines
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant  Double-crested Cormorant Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus  Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	1 4 1 5 4 2 9 7 9	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines N-S under lines N-S, 1 under lines, 6 turn into wind then over, 2 came close N-S under lines Backed off wires, then over lines N-S over lines N-S between lines, had trouble
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus	1 4 1 5 4 2 9 7 9 2 9 2 9	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines N-S under lines N-S, 1 under lines, 6 turn into wind then over, 2 came close N-S under lines Backed off wires, then over lines N-S over lines N-S over lines, had trouble N-S, 2 over lines, 2 under lines, 2 turn into wind then
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant  Double-crested Cormorant Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus  Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	1 4 1 5 4 2 9 7 9 2 9	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines N-S under lines N-S, 1 under lines, 6 turn into wind then over, 2 came close N-S under lines Backed off wires, then over lines N-S over lines N-S between lines, had trouble
06:00:00	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus	1 4 1 5 4 2 9 7 9 2 9 2 9	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines N-S under lines N-S, 1 under lines, 6 turn into wind then over, 2 came close N-S under lines Backed off wires, then over lines N-S over lines N-S over lines, had trouble N-S, 2 over lines, 2 under lines, 2 turn into wind then
06:00:00	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant  Whr  Double-crested Cormorant Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus	1 4 1 5 4 2 9 7 9 2 9 2 9 1 6	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines N-S under lines N-S, 1 under lines, 6 turn into wind then over, 2 came close N-S under lines Backed off wires, then over lines N-S over lines N-S over lines, had trouble N-S, 2 over lines, 2 under lines, 2 turn into wind then over lines
06:00:00	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant  Double-crested Cormorant Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus	1 4 1 5 4 2 9 7 9 2 9 1 6 16 2	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines N-S under lines N-S, 1 under lines, 6 turn into wind then over, 2 came close N-S under lines Backed off wires, then over lines N-S over lines N-S over lines, had trouble N-S, 2 over lines, 2 under lines, 2 turn into wind then over lines N-S under lines N-S under lines N-S under lines, 2 turn into wind then over lines N-S under lines N-S under lines
06:00:00	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus	1 4 1 5 4 2 9 7 9 2 9 1 6 16 2 30	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines N-S under lines N-S, 1 under lines, 6 turn into wind then over, 2 came close N-S under lines Backed off wires, then over lines N-S over lines N-S over lines N-S between lines, had trouble N-S, 2 over lines, 2 under lines, 2 turn into wind then over lines N-S under lines N-S under lines N-S under lines N-S backed off wires N-S backed off wires N-S under lines
06:00:00	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus	1 4 1 5 4 2 9 7 9 2 9 1 6 16 2 30 4	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines N-S under lines N-S, 1 under lines, 6 turn into wind then over, 2 came close N-S under lines Backed off wires, then over lines N-S over lines N-S over lines N-S between lines, had trouble N-S, 2 over lines, 2 under lines, 2 turn into wind then over lines N-S under lines
06:00:00	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant  Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus	1 4 1 5 4 2 9 7 9 2 9 1 6 16 2 30 4 6	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines N-S, 1 under lines, 6 turn into wind then over, 2 came close N-S under lines Backed off wires, then over lines N-S over lines N-S over lines N-S between lines, had trouble N-S, 2 over lines, 2 under lines, 2 turn into wind then over lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus	1 4 1 5 4 2 9 7 9 2 9 1 6 16 2 30 4 6 8	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines N-S under lines N-S, 1 under lines, 6 turn into wind then over, 2 came close N-S under lines Backed off wires, then over lines N-S over lines N-S over lines, 1 between lines, 2 turn into wind then over lines N-S under lines, 1 between lines, close call N-S, 5 under lines, 1 over lines 7 over lines, several barely made it, 1 backed off
06:00:00	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus	1 4 1 5 4 2 9 7 9 2 9 1 6 16 2 30 4 6 8 3	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines N-S under lines N-S, 1 under lines, 6 turn into wind then over, 2 came close N-S under lines Backed off wires, then over lines N-S over lines N-S over lines, 2 under lines, 2 turn into wind then over lines N-S, 2 over lines, 2 under lines, 2 turn into wind then over lines N-S under lines, 1 between lines, close call N-S, 5 under lines, 1 over lines 7 over lines, several barely made it, 1 backed off N-S 1 over lines, 2 turned into wind then over lines
06:00:00	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus	1 4 1 5 4 2 9 7 9 2 9 1 6 16 2 30 4 6 8	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines N-S under lines, 6 turn into wind then over, 2 came close N-S under lines Backed off wires, then over lines N-S over lines N-S over lines, 2 under lines, 2 turn into wind then over lines N-S, 2 over lines, 2 under lines, 2 turn into wind then over lines N-S under lines, 1 between lines, close call N-S, 5 under lines, 1 over lines 7 over lines, 2 turned into wind then over lines 7 under lines, 1 over lines
06:00:00	Double-crested Cormorant Double-crested Cormorant Great Blue Heron Herring Gull Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Ardea herodias Larus argentatus Phalacrocorax auritus	1 4 1 5 4 2 9 7 9 2 9 1 6 16 2 30 4 6 8 3	N-S turn into wind, under lines through ship canal N-S under lines N-S over lines Fighting over food, came close to wires. Close call. N-S under lines N-S under lines N-S under lines N-S, 1 under lines, 6 turn into wind then over, 2 came close N-S under lines Backed off wires, then over lines N-S over lines N-S over lines, 2 under lines, 2 turn into wind then over lines N-S, 2 over lines, 2 under lines, 2 turn into wind then over lines N-S under lines, 1 between lines, close call N-S, 5 under lines, 1 over lines 7 over lines, several barely made it, 1 backed off N-S 1 over lines, 2 turned into wind then over lines

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
06:15:00	Double-crested Cormorant	Phalacrocorax auritus	7	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S between lines with trouble
	Double-crested Cormorant	Dhalasia sa ray ay rity a	60	N-S, 10 had trouble over lines, 10 backed off, 40 over
		Phalacrocorax auritus	60	lines
	Double-crested Cormorant	Phalacrocorax auritus	20	High over wires
	Double-crested Cormorant	Phalacrocorax auritus	9	3 backed off, 6 over lines
	Double-crested Cormorant	Phalacrocorax auritus	5	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	7	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	30	Several over lines with trouble
	Double-crested Cormorant	Phalacrocorax auritus	50	Over lines 20 with trouble
	Double-crested Cormorant	Phalacrocorax auritus	15	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	12	N-S backed off, 2 close calls
	Double-crested Cormorant	Phalacrocorax auritus	15	N-S over lines
06:30:00	Double-crested Cormorant	Phalacrocorax auritus	11	N-S, 7 over lines, 4 under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S backed off, gained altitude then over lines
	Herring Gull	Larus argentatus	4	N-S over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Herring Gull	Larus argentatus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off last second, close call
	Double-crested Cormorant	Phalacrocorax auritus	2	1 turned into wind, over lines with trouble, other under
			2	lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Great Black-backed Gull	Larus marinus	20	On grass by causeway
	Herring Gull	Larus argentatus	20	On grass by causeway
	Double-crested Cormorant	Phalacrocorax auritus	2	Over lines, high above
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
06:45:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Belted Kingfisher	Megaceryle alcyon	1	In ship canal
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Gulls	-	100	Loitering on grass near rocks
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	200000000000000000000000000000000000000			

Species	Number of Individuals Observed
American Crow	53
American Goldfinch	2
Bald Eagle	3
Belted Kingfisher	1
Blue Jay	1
Bonaparte's Gull	100
Common Loon	1
Common Merganser	7
Common Raven	4
Double-crested Cormorant	1947
Great Black-backed Gull	52
Great Blue Heron	5
Gulls	100
Herring Gull	47
Northern Gannet	1
Northern Harrier	1
Ring-billed Gull	2

Date October 4, 2014

		12	1	
Time of Day	Common Name	Scientific Name	No of Individua	Is Species Behaviour
<u>Сюйау, тодду,</u> 06:45:00	, Wind 25-30 km/h SE, fog cleare American Crow	Corvus brachyrhynchos		Loitering around causeway
00.45.00	Gulls	#N/A		Loitering around causeway  Loitering around causeway
07:00:00	Double-crested Cormorant	Phalacrocorax auritus	30	S-N under lines
07.00.00	Double-crested Cormorant	Phalacrocorax auritus	25	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	15	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	20	S-N under lines
	Great black-backed Gull	Larus marinus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	6	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	25	S-N, 20 over lines, 5 under lines
07:15:00	Double-crested Cormorant	Phalacrocorax auritus	30	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	20	S-N over lines, all gained altitude
	Double-crested Cormorant	Phalacrocorax auritus	100	S-N
	Double-crested Cormorant	Phalacrocorax auritus	60	20 between lines, several close calls, 20 backed off, 20 over lines with adjustment to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	30	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	20	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	10	S-N under lines
	Bald Eagle	Haliaeetus leucocephalus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	30	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	12	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	70	S-N over lines, many had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	20	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	40	S-N over lines, many had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	6	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Bald Eagle	Haliaeetus leucocephalus	6	Soaring over quarry
	Double-crested Cormorant	Phalacrocorax auritus	80	S-N between lines, under lines, over lines, 2-3 close calls, 2 backed off
07:30:00	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Belted Kingfisher	Megaceryle alcyon	1	Fishing from causeway, N side
	Herring Gull	Larus argentatus	1	Fishing from causeway, N side
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	30	S-N high above lines
	Common Loon	Gavia immer	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	25	Several between lines, close calls
	Double-crested Cormorant	Phalacrocorax auritus	1	Hit wires, fell into water, alive but cant fly
	Double-crested Cormorant	Phalacrocorax auritus	4	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines, dropped altitude at last second to go under
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Common Loon	Gavia immer	2	N-S high over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines, high above
	Great black-backed Gull	Larus marinus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	70	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N, 1 under lines, 1 over lines
07:45:00	Double-crested Comforant	T Halaci Ocorax auritus		S-N under lines, all dropped altitude at last minute to go
07.40.00	Double-crested Cormorant	Phalacrocorax auritus	30	under  S-N over lines
	Iceland Gull Great black-backed Gull	Larus glaucoides	5	
		Larus marinus		Fishing around causeway
00.00.00	Great Blue Heron	Ardea herodias	1	N-S over lines, had to gain altitude
08:00:00	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Great black-backed Gull	Larus marinus	1	N-S over lines, 2 approaches to gain altitude
	Ring-billed Gull	Larus delawarensis	1	N-S over lines, gained altitude
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
00.45.00	Blue Jay	Cyanocitta cristata	3	Flying S over land east of causeway
08:15:00	Common Merganser	Mergus merganser	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Great black-backed Gull	Larus marinus	1 1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Herring Gull	Larus argentatus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
00-00-00	Herring Gull	Larus argentatus	1 1	N-S over lines, 10 approaches, couldn't gain altitude
08:30:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Herring Gull	Larus argentatus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
00:45:00	Herring Gull	Larus argentatus	1	N-S over lines, 7 approaches
08:45:00	Herring Gull	Larus argentatus	6	S-N over lines, 2 gained altitude at last second to clear wires
	Bald Eagle	Haliaeetus leucocephalus	1	Flying N-S, low, over lines, 2 approaches
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N high over lines
09:00:00	Herring Gull	Larus argentatus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
00:15:00	<b>Double-crested Cormorant</b>	Phalacrocorax auritus	1	S-N over lines, barely made it, lost control, close call
09:15:00		Phalacrocorax auritus	1	S-N under lines
09:15:00	Double-crested Cormorant			
09:15:00	Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	3	N-S under lines
09:15:00			3 2	N-S under lines Hovering over causeway
	Double-crested Cormorant Common Raven Double-crested Cormorant	Phalacrocorax auritus	2 1	
	Double-crested Cormorant Common Raven Double-crested Cormorant Surf scoter	Phalacrocorax auritus Corvus corax	2 1 7	Hovering over causeway
09:15:00	Double-crested Cormorant Common Raven Double-crested Cormorant	Phalacrocorax auritus Corvus corax Phalacrocorax auritus	2 1	Hovering over causeway N-S under lines

Date October 4, 2014

Time of Day	Common Name	Scientific Name	No of Individua	Ils Species Behaviour
09:45:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	40	Loitering on N wharf
	Herring Gull	Larus argentatus	1	S-N over lines, 2 approaches
10:00:00	Blue Jay	Cyanocitta cristata	4	N-S east over land
	Yellow-rumped warbler	Dendroica coronata	1	East of causeway
10:15:00	Great black-backed Gull	Larus marinus	30	Loitering on S wharf
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
10:30:00	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Common Merganser	Mergus merganser	11	Over lines
	Herring Gull	Larus argentatus	1	S-N under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	American Goldfinch	Spinus tristis	1	Heard overhead
10:45:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Great Blue Heron	Ardea herodias	1	Fishing on N side of causeway
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
Afternoon Sur	vey: Wind 30-40km/hr SE			
)2:45:00	Herring Gull	Larus argentatus	1	N-S under lines
	Great black-backed Gull	Larus marinus	1	N-S under lines
	Herring Gull	Larus argentatus	2	N-S under lines
03:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Herring Gull	Larus argentatus	1	N-S over lines
03:15:00	Swamp Sparrow	Melospiza georgiana	1	East of causeway
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
03:30:00	Herring Gull	Larus argentatus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	50	Loitering at N end of ship canal
	Herring Gull	Larus argentatus	1	Blown backwards between lines, close call
	Common Raven	Corvus corax	2	Hovering over causeway
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Herring Gull	Larus argentatus	1	S-N under lines
	Herring Gull		1	N-S, 5 approaches, went under, had trouble
04:00:00		Larus argentatus	2	N-S over lines
04.00.00	Herring Gull	Larus argentatus	3	
	Bonaparte's Gull Great black-backed Gull	Chroicocephalus philadelphia		N of causeway N-S over lines
24.45.00		Larus marinus	1 2	
04:15:00	Herring Gull	Larus argentatus	2	N-S over lines
24.00.00	Gulls	-	15	Hovering around causeway
04:30:00	Gulls	-		Along causeway
04:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines, low over causeway due to break in
				traffic
	Herring Gull	Larus argentatus	1	S-N, turn into wind gained altitude, sailed over lines
	Herring Gull	Larus argentatus	3	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
05:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Herring Gull	Larus argentatus	1	N-S over lines, had to gain altitude
	Belted Kingfisher	Megaceryle alcyon	1	N of causeway
05:15:00	Herring Gull	Larus argentatus	1	N-S, 6 approaches, over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines
	Great black-backed Gull	Larus marinus	1	S-N over lines
	Common Merganser	Mergus merganser	6	S-N high over lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S over lines, east land route, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	8	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
05:30:00	Double-crested Cormorant	Phalacrocorax auritus	12	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	10	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	16	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	8	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	13	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	7	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	60	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off wires
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off wires at last second, fairly close
		Phalacrocorax auritus	16	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	16 9	N-S under lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus	9	N-S under lines
)5·45·00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	9 2	N-S under lines N-S under lines
05:45:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	9 2 30	N-S under lines N-S under lines N-S under lines
05:45:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	9 2 30 3	N-S under lines N-S under lines N-S under lines N-S under lines
05:45:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Duck sp.	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus -	9 2 30 3 2	N-S under lines
05:45:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	9 2 30 3	N-S under lines
05:45:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Duck sp.	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus -	9 2 30 3 2	N-S under lines N-S several backed off, several over lines with trouble,
05:45:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Duck sp. Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus - Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	9 2 30 3 2 5 80	N-S under lines N-S several backed off, several over lines with trouble, rest under lines
05:45:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Duck sp. Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus - Phalacrocorax auritus	9 2 30 3 2 5	N-S under lines N-S several backed off, several over lines with trouble, rest under lines N-S under lines N-S under lines
)5:45:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Duck sp. Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus - Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	9 2 30 3 2 5 80	N-S under lines N-S several backed off, several over lines with trouble, rest under lines N-S under lines N-S under lines N-S of under lines
05:45:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Duck sp. Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus - Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	9 2 30 3 2 5 80 6	N-S under lines N-S several backed off, several over lines with trouble, rest under lines N-S under lines N-S under lines N-S under lines N-S do under lines with adjustments, 20 backed off, 2nd approach 6 backed off then over lines
05:45:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Duck sp. Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus - Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	9 2 30 3 2 5 80	N-S under lines N-S several backed off, several over lines with trouble, rest under lines N-S under lines N-S under lines N-S of under lines

Date October 4, 2014

Time of Day	Common Name	Scientific Name	No of Individu	als Species Behaviour
06:00:00	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Great Blue Heron	Ardea herodias	1	E to W across harbour
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	8	N-S under lines
	Herring Gull	Larus argentatus	1	Struggle to gain altitude, over lines S-N
	Double-crested Cormorant	Phalacrocorax auritus	120	All except 1 under lines N-S
06:00:00	Double-crested Cormorant	Phalacrocorax auritus	6	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	40	N-S under lines
06:15:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Herring Gull	Larus argentatus	1	S-N over lines, had trouble
	Great black-backed Gull	Larus marinus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off, circled, went under lines after watching
	Double-crested Cormorant	Filalaciocorax auritus	Ī	two others
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Herring Gull	Larus argentatus	1	S-N turn into wind, struggle to gain altitude, then over lines
	Double-crested Cormorant	Phalacrocorax auritus	16	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Great Blue Heron	Ardea herodias	1	E-W over harbour
	Double-crested Cormorant	Phalacrocorax auritus	100	N-S under lines, 1 backed off
	Great black-backed Gull	Larus marinus	1	S-N turn into wind, gain altitude, over lines
06:30:00	Double-crested Cormorant	Phalacrocorax auritus	60	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	Over lines, west side of causeway over land
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	40	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	6	N-S under lines
	Great black-backed Gull	Larus marinus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	40	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	6	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Great black-backed Gull	Larus marinus	3	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	10	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Gulls	-	100	Flying east across N. Harbour

Species	Number of Individuals Observed
American Goldfinch	1
Bald Eagle	8
Belted Kingfisher	2
Blue Jay	7
Bonaparte's Gull	3
Common Loon	3
Common Merganser	68
Common Raven	4
Double-crested Cormorant	1864
Duck sp.	2
Great black-backed Gull	50
Great Blue Heron	4
Gulls	115
Herring Gull	36
Iceland Gull	1
Ring-billed Gull	1
Surf scoter	7
Swamp Sparrow	1
Yellow-rumped warbler	1

Date October 5, 2014

George   Ward   Fe20 km/s SE	Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
Section Cores   Construction   Con		15-20 km/h SE	•	•	
Bald Eagle   Affected to exceed products   S. N. cords from	06:45:00		-		
Double-versited Commont   Philodococours southus   1   Set Number Rose					
Total repet futions The repet					
Standard Commonant   Philodoprocons authors   2   N. S. andos fines					
Basic Englis   Pales Comment   Phatecroopera counts   1   N-8 over lines	07:00:00	·		-	
Double-created Community   Present Control of the	07.00.00				
Debugs created Commant   Photococcus austral   3   S. Nucer lines					
Double-created Communant  Posteriorous southurs  Double-freided Communant  Posteriorous southurs  Double-freided Communant  Posteriorous southurs  Double-created Communant  Posteriorou					
Double-created Commant   Philosococcus authors   1   Over first at, under second one, host toolste		Double-crested Cormorant			S-N high over lines
Distribution of the content of Commonant   Philosocococca auration   2   3   5   Number (intent)		Double-crested Cormorant	Phalacrocorax auritus	12	S-N under lines
Depute crisered Commonant   Phabomocona winture   2   S. H. under lines					
Double-created Commonant   Phaberococca auritors   5   S. N. high over lines					
Dubbis-created Commonant   Phablicococona auruture   60   S.H. high over lines   Dubbis-created Commonant   Phablicococona auruture   40   N. S. over lines   Dubbis-created Commonant   Phablicococona auruture   40   N. S. over lines   Dubbis-created Commonant   Phablicococona auruture   40   N. S. over lines   Dubbis-created Commonant   Phablicococona auruture   40   S.H. kip busines   40   N. S. over lines   Dubbis-created Commonant   Phablicococona auruture   50   S.H. kip busines   50   S.H. kip busine	07:15:00				
Pouble-created Commant					
Double-created Commant					
Double-crested Commonant   Phalacrocorea aurhant   8   S. N. under lines					<u> </u>
Double-created Commant Double created Commant Double created Commant Phalacrocones auritus Double-created Commant Phalacrocones auritus Double-created Commant Phalacrocones auritus Double-created Commant Double-created Commant Phalacrocones auritus Double-created Commant Double-created Commant Double-created Commant Double-created Commant Phalacrocones auritus Double-created Com		Double-crested Cormorant	Phalacrocorax auritus	4	2 between lines with trouble, 2 under lines
Double-crested Commonat Presistance auritius  1 S-N under lines  Double-crested Commonat Presistance auritius  1 N-N over lines  Double-crested Commonat Presistance auritius  Doub					
Double-created Commorant Problemocrant Probl		Double-crested Cormorant	Phalacrocorax auritus	30	
Double-created Commont  Presistrocorax auritus  Double-created Commont  Presistrocorax auritus  Double-created Commont  Presistrocorax auritus  Double-created Commont  Presistrocorax auritus  Touble-created Commont  Presis		Double-crested Cormorant	Phalacrocorax auritus	40	
Double-created Commorant Pheliococcons auritus 60 SN between lines, over lines, under lines a businer, lace things a businer, lace things and the standard section and the					
Double-crested Cormonant Phalecocores auritus 60 SN between lines, over lines, under lines a lot had trouble crested Cormonant Phalecocores auritus 10 under between and over lines Double-crested Cormonant Phalecocores auritus 10 under between land, over and under lines Double-crested Cormonant Phalecocores auritus 10 SN over lines 10 under lines 10		Double-crested Cormorant	Prialacrocorax auritus	25	,
Double-crested Cormorant Phalacrocorax auritus 10 curder; between and over lines or under judice learning to the phalacrocorax auritus 11 curder; between and over lines or lines of the phalacrocorax auritus 11 curder; between cover and under, lots with trouble 10 curder; between cover and under, lots with trouble 10 curder; between cover and under, lots with trouble 10 curder; between cover and under, lots with trouble 10 curder; between cover and under, lots with trouble 10 curder; between cover and under, lots with trouble 10 curder; between cover and under, lots with trouble 10 curder; between cover and under, lots with trouble 10 curder; between cover and under, lots with trouble 10 curder; between cover and under, lots with trouble 10 curder; between curders auritus 10 curders auritus		Double-crested Cormorant	Phalacrocorax auritus	120	
Double-created Commorant Phalecoccors aurilus 10 under jetween and over lines   Double-created Commorant Phalecoccors aurilus 15 SN over lines   Double-created Commorant Phalecoccors aurilus 10 SN over lines   Double-created Commorant Phalecoccors aurilus 10 SN over lines   Double-created Commorant Phalecoccors aurilus 2 SN over lines   Double-created Commorant Phalecoccors aurilus 50 SN over lines   Double-created Commorant Phalecoccors aurilus 50 SN over lines   Double-created Commorant Phalecoccors aurilus 1 SN over lines   Double-created Commorant Phalecoccors aur		B			
Double-creested Commonant Philaborocorae auritus 75 S-N between, over and under, icts with trouble Double-creested Commonant Philaborocorae auritus 10 S-N over lines S-N over lines Commonant Philaborocorae auritus 10 S-N over lines Commonant Commonant Philaborocorae auritus 10 S-N over lines Commonant Com		Double-crested Cormorant	Phalacrocorax auritus	60	
Double-crested Cormorant Phalacococax auritus 75 S.N between, over and under, lots with trouble Double-crested Cormorant Phalacococax auritus 10 S.N over lines Phalacococax auritus 2 S.N one over firest set, under second se hard trouble 1 Larus argentatus 50 Lottering near causeway 1 Lottering foul Larus argentatus 50 Lottering near causeway 1 Lottering foul Larus argentatus 1 S.N over lines 1 Double-crested Cormorant Phalacococax auritus 1 S.N over lines 1 S.N over lines 1 Double-crested Cormorant Phalacococax auritus 1 S.N over lines 1 S.N under lines 1 S.N over lines 1 S.N o		Double-crested Cormorant	Phalacrocorax auritus	10	
Double-crested Cormorant				75	
Double-crested Cormonant Phalacocorax auritus 2 sh. No ore ore lines, one over first set, under second se nat rouble leads to could be compared to the compare					
Displace-resided Commonant Probaborocora sunitus 2 had trouble Free Commonant Probaborocora sunitus 1 Lotering near causeway Debuble-rested Commonant Probaborocora sunitus 1 S-N under lines Double-created Commonant Probaborocora sunitus 1 S-N under lines Probaborocora sunitus 2 S-N under lines Double-created Commonant Probaborocora sunitus 2 S-N under lines Double-created Commonant Probaborocora sunitus 2 S-N under lines Double-created Commonant Probaborocora sunitus 1 S-N under lines Double-created Commonant Probaborocora sunitus 2 S-N under lines Double-created Commonant Probaborocora sunitus 2 S-N under lines Double-created Commonant Probaborocora sunitus 1 S-N under lines Double-created Commonant Probaborocora sunitus 1 S-N under lines Double-created Commonant Probaborocora sunitus 1 S-N under lines Double-created Commonant Pr		Double-crested Cormorant	Phalacrocorax auritus	10	
Proceedings		Double-crested Cormorant	Phalacrocorax auritus	2	
Great Black-backed Gull Duble-crested Cormorant Phalacococaes auritus 1 S-N over lines Double-crested Cormorant Phalacococaes auritus 1 S-N over lines Interning Gull Duble-crested Cormorant Phalacococaes auritus 1 S-N over lines, struggle to gain altitude at last minute Great Black-backed Gull Larus argentatus 1 N-S over lines, struggle to gain altitude at last minute Great Black-backed Gull Larus merimus 1 N-S over lines, struggle to gain altitude at last minute Great Black-backed Gull Larus merimus 1 N-S over lines, struggle to gain altitude, over lines Double-crested Cormorant Phalacococaes auritus 1 S-N angled approach to gain altitude, over lines Double-crested Cormorant Phalacococaes auritus 2 S-N under lines Double-crested Cormorant Phalacococaes auritus 2 S-N under lines Double-crested Cormorant Phalacococaes auritus 1 Under lines Double-crested Cormorant Phalacococaes auritus 1 Under lines Double-crested Cormorant Phalacococaes auritus 1 S-N under lines Double-crested Cormorant Phalacococaes auritus 3 S-N over lines S-N over lines Double-crested Cormorant Phalacococaes auritus 3 S-N over lines S-N	07.00.00				
Double-crested Commorant Phabacrocores auritus 1 S-N over lines Double-crested Commorant Phabacrocores auritus 1 N-S over lines, had to work to gain altitude at last minute Herring Gull Larus argentatus 1 N-S over lines, had to work to gain altitude at last minute Grat Black-backed Gull Larus marinus 1 N-S over lines, struggle to gain altitude at last minute Grat Black-backed Gull Larus marinus 1 N-S over lines Double-crested Commorant Phabacrocores auritus 1 S-N, angled altitude, over lines Double-crested Commorant Phabacrocores auritus 3 S-N, agined altitude, over lines Double-crested Commorant Phabacrocores auritus 3 S-N, agined altitude, over lines Double-crested Commorant Phabacrocores auritus 40 S-N, high Over lines Double-crested Commorant Phabacrocores auritus 40 S-N, high Over lines Double-crested Commorant Phabacrocores auritus 3 S-N over lines Double-crested Commorant Phabacrocores auritus 3 N-S under lines Double-crested Commorant Phabacrocores auritus 3 N-S under lines Double-crested Commorant Phabacrocores auritus 4 S-N over lines Double-crested Commorant Phabacrocores auritus 5 S-N over lines Double-crested Commorant Phabacrocores auritus 1 S-N over lines Double-crested Commorant Phabacrocores auritus 1 S-N over lines Double-crested Commorant Phabacrocores auritus 1 S-N over lines Double-crested Commorant	07:30:00			50	
Double-crested Commonant   Phalecrocores aurius   1   S. N. under lines				1	
Herring Gull   Larus argentatus   1   N.S over lines, had to work to gain attitude   Double-created Cormorant   Phabercoorax auritus   1   N.S over lines   N				1	
Double-crested Cormorant   Phalecrocorex auritus   1   N-S over lines, struggle to gain altitude at last minute   Terrar Buck backed Gull   Larus maritus   1   N-S over lines   N-S over lines   Double-crested Cormorant   Phalecrocorex auritus   2   S-N, angled approach to gain altitude, over lines   Double-crested Cormorant   Phalecrocorex auritus   2   S-N, angled approach to gain altitude, over lines   Double-crested Cormorant   Phalecrocorex auritus   2   S-N, high Over lines   Double-crested Cormorant   Phalecrocorex auritus   1   Under lines   Double-crested Cormorant   Phalecrocorex auritus   1   Under lines   Double-crested Cormorant   Phalecrocorex auritus   1   S-N under lines   Double-crested Cormorant   Phalecrocorex auritus   1   S-N under lines   S-N under line					
Great Black-backed Gull   Larus marinus   1   N-S over lines				1	<u> </u>
Double-crested Cormorant   Phalacrocorax auritus   2 S-N nained altitude, over lines		Great Black-backed Gull	Larus marinus	1	
Double-crested Cormorant   Phalecrocorax auritus   2   S-N under lines					
Double-crested Commonant   Phalacrocorax auritus   40   S-N, high Over lines					
Double-crested Cormorant   Phalacrocorax auritus   1 Under lines	07.45.00				
Double-crested Cormorant   Phalacrocorax auritus   3 S-N over lines	07:45:00				
Double-crested Cormorant   Phabacrocorax auritus   1   S-N under lines				-	
Double-crested Cormorant   Phalacrocorax auritus   3   N-S under lines					
Herring Gull   Larus argentatus   1   S-N over lines		Bald Eagle	Haliaeetus leucocephalus	1	N-S under lines
Pine Grosbeak   Pinicola enucleator   1   Heard east of causeway				3	
Common Loon   Gavia immer   2   N-S high over lines					
Great Blue Heron   Arcea herodias   1   Flying west, low over water	08:00:00				,
Double-crested Cormorant   Phalacrocorax auritus   2   N-S under lines					<u> </u>
Double-crested Cormorant   Phalacrocorax auritus   3 S-N over lines					
Double-crested Cormorant   Phalacrocorax auritus   1   S-N under lines					
Common Grackle   Quiscalus quiscula   50   Over lines, then west over harbour		Double-crested Cormorant			
Double-crested Cormorant   Phalacrocorax auritus   2   S-N under lines   Song Sparrow   Melospiza melodia   On island with lighthouse   Double-crested Cormorant   Phalacrocorax auritus   1   S-N under lines				<u> </u>	The state of the s
Song Sparrow   Melospiza melodia   On island with lighthouse	08:15:00		•		
Double-crested Cormorant   Phalacrocorax auritus   1   S-N under lines				2	
Belted Kingfisher   Megaceryle alcyon   1   On causeway				1	- Y
Herring Gull   Larus argentatus   1   S-N under lines through ship canal	08:30:00				
Double-crested Cormorant	35.55.55	ŭ .			·
American Robin Turdus migratorius 1 Heard east of causeway Double-crested Cormorant Phalacrocorax auritus 1 S-N under lines Bald Eagle Haliaeetus leucoephalus 1 N-S over lines Common Raven Corvus corax 2 Perched on towers  09:00:00 Double-crested Cormorant Phalacrocorax auritus 1 S-N under lines Blue Jay Cyanocitta cristata 5 S-N over lines, east over land Herring Gull Larus argentatus 1 S-N turn into wind, gain altitude, over lines  Double-crested Cormorant Phalacrocorax auritus 1 S-N under lines  Double-crested Cormorant Phalacrocorax auritus 1 S-N over lines  Double-crested Cormorant Phalacrocorax auritus 1 S-N over lines  Double-crested Cormorant Phalacrocorax auritus 1 S-N under lines  Double-crested Cormorant Phalacrocorax auritus 1 S-N over lines  Double-crested Cormorant Phalacrocorax auritus 1 S-N over lines  Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 2 S-N under lines	08:45:00				
Double-crested Cormorant   Phalacrocorax auritus   1   S-N under lines		American Goldfinch	,		
Bald Eagle					
Common Raven   Corvus corax   2   Perched on towers				-	
Double-crested Cormorant   Phalacrocorax auritus   1   S-N under lines			· · · · · · · · · · · · · · · · · · ·		
Blue Jay Cyanocitta cristata 5 S-N over lines, east over land  09:15:00 Herring Gull Larus argentatus 1 S-N turn into wind, gain altitude, over lines  09:30:00 Double-crested Cormorant Phalacrocorax auritus 1 S-N under lines  Double-crested Cormorant Phalacrocorax auritus 1 S-N under lines  Double-crested Cormorant Phalacrocorax auritus 1 S-N under lines  Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 1 S-N under lines  Double-crested Cormorant Phalacrocorax auritus 1 S-N under lines  O9:45:00 Pine Grosbeak Pinicola enucleator 3 East of causeway  Great Black-backed Gull Larus marinus 1 S-N over lines  Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines  10:00:00 Herring Gull Larus argentatus 1 N-S backed off, 3 approaches, over lines  Bonaparte's Gull Chroicocephalus philadelphia 1 N of causeway  Double-crested Cormorant Phalacrocorax auritus 2 S-N under lines	09.00.00				
Double-crested Cormorant   Phalacrocorax auritus   1   S-N turn into wind, gain altitude, over lines	09.00.00			-	
Double-crested Cormorant   Phalacrocorax auritus   1   S-N under lines	09:15:00				
Double-crested Cormorant   Phalacrocorax auritus   1   S-N over lines					
Double-crested Cormorant   Phalacrocorax auritus   1   N-S under lines		Double-crested Cormorant		1	
Double-crested Cormorant   Phalacrocorax auritus   1   S-N under lines				1	
Pine Grosbeak   Pinicola enucleator   3   East of causeway				1	
Great Black-backed Gull  Double-crested Cormorant  Phalacrocorax auritus  1 N-S under lines  N-S under lines  N-S backed off, 3 approaches, over lines  Bonaparte's Gull  Chroicocephalus philadelphia  1 Nof causeway  Double-crested Cormorant  Phalacrocorax auritus  Double-crested Cormorant  Phalacrocorax auritus  S-N between lines, looked like close call	00:45.00			1 1	
Double-crested Cormorant   Phalacrocorax auritus   1   N-S under lines	09:45:00				
10:00:00 Herring Gull Larus argentatus 1 N-S backed off, 3 approaches, over lines Bonaparte's Gull Chroicocephalus philadelphia 1 N of causeway  10:15:00 Double-crested Cormorant Phalacrocorax auritus 2 S-N under lines Double-crested Cormorant Phalacrocorax auritus 1 S-N between lines, looked like close call				-	
Bonaparte's Gull Chroicocephalus philadelphia 1 N of causeway  10:15:00 Double-crested Cormorant Phalacrocorax auritus 2 S-N under lines  Double-crested Cormorant Phalacrocorax auritus 1 S-N between lines, looked like close call	10:00:00				
10:15:00 Double-crested Cormorant Phalacrocorax auritus 2 S-N under lines  Double-crested Cormorant Phalacrocorax auritus 1 S-N between lines, looked like close call					
	10:15:00				
Double-crested Cormorant Phalacrocorax auritus 1 S-N under lines				1	
		Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines

Date October 5, 2014

Time of Day 10:30:00		Calantifia Nama	No of loadinides	da Creatica Dahariaru
10:30:00	Common Name	Scientific Name		Species Behaviour
	American Robin	Turdus migratorius	6	Flying S over wires
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Blue Jay	Cyanocitta cristata	40	N-S under lines, east land route
	Double-crested Cormorant	Phalacrocorax auritus	100	Loitering on N. wharf
10:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Bald Eagle	Haliaeetus leucocephalus	1	N-S soaring over lines
	Herring Gull	Larus argentatus	2	S-N under lines
	rvey: Wind 30-40km/hr SE, Sunny			
02:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
03:00:00	Great Black-backed Gull	Larus marinus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	American Crow	Corvus brachyrhynchos		Loitering around causeway
	Common RAven	Corvus corax	2	Loitering around causeway
	Guills	#N/A		Loitering around causeway
	Great Black-backed Gull	Larus marinus	1	S-N under lines
03:15:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
00110100	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
03:30:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
33.30.00	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
00.45.00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
03:45:00	Double-crested Cormorant	Phalacrocorax auritus	15	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	25	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Belted Kingfisher	Megaceryle alcyon	1	N of causeway
04:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
04:15:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off wires, then went under near tower
	Herring Gull	Larus argentatus	1	N-S over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Herring Gull	Larus argentatus	2	N-S under lines
04:30:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
3 1.00.00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Great Blue Heron	Ardea herodias		E turn into wind across harbour
04.45.00	Double-crested Cormorant		1	
04:45:00	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
Clouded over	To		1 4	
04:45:00	Great Black-backed Gull	Larus marinus	1	S-N under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Great Black-backed Gull	Larus marinus	1	N-S under lines, just above traffic
	Bald Eagle	Haliaeetus leucocephalus	1	N-S over lines
	Great Black-backed Gull	Larus marinus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
05:00:00	Double-crested Cormorant	Phalacrocorax auritus	2	N 0 1 1:
	Double-crested Cormorant		3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	1 2	S-N under lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	1 2 1	S-N under lines N-S under lines N-S under lines S-N between lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus	1 2 1 1 1	S-N under lines N-S under lines N-S under lines S-N between lines S-N under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus	1 2 1 1 1 1	S-N under lines N-S under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Phalacrocorax auritus	1 2 1 1 1 1 1	S-N under lines N-S under lines N-S under lines S-N between lines S-N under lines S-N under lines N-S under lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	1 2 1 1 1 1 1 4 15	S-N under lines N-S under lines N-S under lines S-N between lines S-N under lines S-N under lines N-S under lines N-S under lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	1 2 1 1 1 1 1 4 15 25	S-N under lines N-S under lines N-S under lines S-N between lines S-N under lines S-N under lines N-S under lines N-S under lines N-S under lines N-S under lines
)5·15·00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus	1 2 1 1 1 1 1 4 15 25 35	S-N under lines N-S under lines N-S under lines S-N between lines S-N under lines S-N under lines N-S under lines
05:15:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus	1 2 1 1 1 1 4 15 25 35	S-N under lines N-S under lines N-S under lines S-N between lines S-N under lines S-N under lines N-S under lines
05:15:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus	1 2 1 1 1 1 4 15 25 35 10 2	S-N under lines N-S under lines N-S under lines S-N between lines S-N under lines S-N under lines N-S under lines
05:15:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines N-S under lines S-N between lines S-N under lines S-N under lines N-S under lines
05:15:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Couble-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Couble-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Melanitta perspicillata	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N under lines N-S under lines
05:15:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines N-S under lines S-N between lines S-N under lines S-N under lines N-S under lines
05:15:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Couble-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Couble-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Melanitta perspicillata	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N under lines N-S under lines
05:15:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus Phalacrocorax auritus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines N-S under lines S-N between lines S-N under lines S-N under lines N-S under lines
05:15:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus	1 2 1 1 1 1 4 15 25 35 10 2 1 2 3 2	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines S-N over lines N-S under lines N-S under lines N-S under lines S-N over lines N-S under lines N-S under lines N-S under lines
05:15:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	1 2 1 1 1 1 4 15 25 35 10 2 1 2 1 2 3	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines S-N over lines N-S under lines
05:15:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines N-S under lines N-S under lines S-N over lines S-N over lines N-S under lines N-S under lines S-N over lines N-S under lines
05:15:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines S-N over lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines N-S under lines N-S under lines S-N over lines S-N over lines N-S under lines N-S under lines S-N over lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines S-N over lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Couble-crested Cormorant Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines N-S under lines S-N over lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines S-N over lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines S-N over lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus Larus marinus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines, had to gain altitude S-N over lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines, had to gain altitude S-N over lines N-S under lines S-N over lines, 1 backed off N-S under lines, 5 backed off wires
	Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines N-S under lines S-N over lines N-S under lines S-N over lines, 1 backed off N-S under lines S-N over lines, 5 backed off wires N-S under lines
	Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Common Merganser	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines S-N over lines N-S under lines S-N over lines, 1 backed off N-S under lines S-N over lines, 5 backed off wires N-S under lines E-W over harbour
	Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Common Merganser Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines S-N over lines N-S under lines S-N over lines, 1 backed off N-S under lines S-N over lines, 5 backed off wires N-S under lines E-W over harbour N-S under lines
05:30:00	Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Couble-crested Cormorant Double-crested Cormorant Common Merganser Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines S-N over lines N-S under lines S-N over lines N-S under lines S-N over lines, 1 backed off N-S under lines S-N over lines, 5 backed off wires N-S under lines E-W over harbour N-S under lines E-W over harbour N-S under lines
05:30:00	Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Common Merganser Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines, had to gain altitude S-N over lines N-S under lines S-N over lines, 1 backed off N-S under lines S-N over lines, 5 backed off wires N-S under lines E-W over harbour N-S under lines
05:30:00	Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Common Merganser Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines N-S under lines S-N over lines, 1 backed off N-S under lines S-N over lines, 5 backed off wires N-S under lines S-N under lines S-W over harbour N-S under lines
05:30:00	Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Common Merganser Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines N-S under lines S-N over lines, 1 backed off N-S under lines S-N over lines, 5 backed off wires N-S under lines S-N under lines S-N under lines N-S under lines
05:30:00	Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Common Merganser Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines, had to gain altitude S-N over lines N-S under lines S-N over lines, 1 backed off N-S under lines S-N over lines, 5 backed off wires N-S under lines S-N under lines N-S under lines N-S under lines N-S under lines S-N under lines N-S under lines
05:15:00 05:30:00	Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Great Black-backed Gull Surf Scoter Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Common Merganser Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Larus marinus Melanitta perspicillata Phalacrocorax auritus	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S-N under lines N-S under lines S-N between lines S-N under lines S-N under lines S-N under lines N-S under lines S-N over lines N-S under lines S-N over lines, 1 backed off N-S under lines S-N over lines, 5 backed off wires N-S under lines S-N under lines S-N under lines N-S under lines

Date October 5, 2014

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
05:45:00	Double-crested Cormorant	Phalacrocorax auritus	50	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	13	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	7	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	20	N-S 2 backed off, 18 under lines
	Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
6:00:00	Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
	Great Black-backed Gull	Larus marinus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	60	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	90	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	35	N-S under lines
	Great Blue Heron	Ardea herodias	1	Fishing on causeway
6:15:00	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off, 2 approach, over lines
	Double-crested Cormorant	Phalacrocorax auritus	9	N-S under lines
	Great Black-backed Gull	Larus marinus	1	S-N over linese
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
6:30:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
	Common Merganser	Mergus merganser	4	N-S under lines, backed off slightly
6:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines

Species	Number of Individuals Observed
American Robin	7
Bald Eagle	7
Belted Kingfisher	2
Blue Jay	45
Bonaparte's Gull	1
Common Grackle	50
Common Loon	2
Common Merganser	5
Common Raven	4
Dark-eyed Junco	1
Double-crested Cormorant	1758
Great Black-backed Gull	16
Great Blue Heron	3
Herring Gull	60
Pine Grosbeak	4
Surf Scoter	2

Date October 11, 2014

Time of Day Clear, Wind 10	Common Name 0-15 km/h W	Scientific Name	No of Individual	s Species Behaviour
06:45:00	Great Blue Heron	Ardea herodias	3	Fishing on N side of causeway
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N over lines
07:00:00	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	7	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	12	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	25	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	20	S-N under lines through ship canal
	Herring Gull	Larus argentatus	1 15	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	15	NS-N under lines through ship canal
07.45.00	Double-crested Cormorant	Phalacrocorax auritus	75	S-N over lines, far side of causeway
07:15:00	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	20	S-N under lines through ship canal N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	5	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	30	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	S-N under lines S-N under lines through ship canal
	Herring Gull	Larus argentatus	1	S-N over lines, struggled to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	30	S-N, most over lines, 5 between, 2 backed off
	Double-crested Cormorant	Phalacrocorax auritus	5	S-N under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	20	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Hairy Woodpecker	Picoides villosus	1	Landed on tower flew back to Cape Breton tree line
	Double-crested Cormorant	Phalacrocorax auritus	19	S-N under lines
07:30:00	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines through ship canal
	Great Black-backed Gull	Larus marinus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	8	S-N over lines, far west side, high
	Double-crested Cormorant	Phalacrocorax auritus	9	S-N over lines, far west side, high
	Song Sparrow	Melospiza melodia	1	In area
	American Robin	Turdus migratorius	1	In area
	Double-crested Cormorant	Phalacrocorax auritus	15	S-N under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	American Crow	Corvus brachyrhynchos	2	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Ring-billed Gull	Larus delawarensis	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	7	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
07.45.00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
07:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Great Blue Heron  Double-crested Cormorant	Ardea herodias  Phalacrocorax auritus	1 1	S-N under lines S-N under lines
	Great Black-backed Gull	Larus marinus	2	N-S over lines, had to gain altitude
	Herring Gull	Larus argentatus	1	N-S over lines, had to gain altitude
	Herring Gull	Larus argentatus	1	N-S over lines, struggle to gain altitude, close to wires
	Common Raven	Corvus corax	1	Loitering near causeway
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
08:00:00	Pine Grosbeak	Pinicola enucleator	1	On Cape Breton side of causeway
	Savannah Sparrow	Passerculus sandwichensis	1	Foraging near ship canal
	Great Black-backed Gull	Larus marinus	1	S-N under lines
	Herring Gull	Larus argentatus	1	N-S over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
08:15:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Herring Gull	Larus argentatus	1	N-S over lines
	Bald Eagle	Haliaeetus leucocephalus	1	S-N over lines
	Merlin	Falco columbarius	1	East of causeway
08:30:00	Purple finch	Carpodacus purpureus	1	East of causeway
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Pigeons  Double greated Cormovert	#N/A	20	Flying around ship canal
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
00.45.00	Herring Gull Great Black-backed Gull	Larus argentatus	16	Loitering near causeway
08:45:00		Larus marinus	2 75	Loitering near causeway
	American Robin	Turdus migratorius Cyanocitta cristata		East of causeway Crossing water E to W
	Rlue lav			WALL WATER FILLYY
	Blue Jay		2	
09.00.00	Herring Gull	Larus argentatus	1	N-S over lines, had to gain altitude
09:00:00	Herring Gull Double-crested Cormorant	Larus argentatus Phalacrocorax auritus	1 1	N-S over lines, had to gain altitude N-S under lines
	Herring Gull Double-crested Cormorant Yellow-rumped Warbler	Larus argentatus Phalacrocorax auritus Dendroica coronata	1 1 1	N-S over lines, had to gain altitude N-S under lines E to W across harbour
	Herring Gull Double-crested Cormorant Yellow-rumped Warbler Herring Gull	Larus argentatus Phalacrocorax auritus	1 1 1 1 12	N-S over lines, had to gain altitude N-S under lines E to W across harbour Fishing N of causeway
	Herring Gull Double-crested Cormorant Yellow-rumped Warbler Herring Gull Great Black-backed Gull	Larus argentatus Phalacrocorax auritus Dendroica coronata Larus argentatus	1 1 1	N-S over lines, had to gain altitude N-S under lines E to W across harbour Fishing N of causeway Fishing N of causeway
	Herring Gull Double-crested Cormorant Yellow-rumped Warbler Herring Gull Great Black-backed Gull Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Dendroica coronata Larus argentatus Larus marinus	1 1 1 12 2	N-S over lines, had to gain altitude N-S under lines E to W across harbour Fishing N of causeway
09:15:00	Herring Gull Double-crested Cormorant Yellow-rumped Warbler Herring Gull Great Black-backed Gull Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Dendroica coronata Larus argentatus Larus marinus	1 1 1 12 2	N-S over lines, had to gain altitude N-S under lines E to W across harbour Fishing N of causeway Fishing N of causeway
09:15:00 <b>Wind 15-20 km</b> 09:15:00	Herring Gull Double-crested Cormorant Yellow-rumped Warbler Herring Gull Great Black-backed Gull Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Dendroica coronata Larus argentatus Larus marinus Phalacrocorax auritus	1 1 1 12 2	N-S over lines, had to gain altitude N-S under lines E to W across harbour Fishing N of causeway Fishing N of causeway Fishing N of causeway
09:15:00 <b>Wind 15-20 km</b> 09:15:00	Herring Gull Double-crested Cormorant Yellow-rumped Warbler Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Dendroica coronata Larus argentatus Larus marinus Phalacrocorax auritus Phalacrocorax auritus	1 1 1 12 2 6	N-S over lines, had to gain altitude N-S under lines E to W across harbour Fishing N of causeway Fishing N of causeway Fishing N of causeway N-S under lines East of causeway S-N under lines through ship canal
09:15:00 <b>Wind 15-20 km</b> 09:15:00	Herring Gull Double-crested Cormorant Yellow-rumped Warbler Herring Gull Great Black-backed Gull Double-crested Cormorant  Double-crested Cormorant Pine Grosbeak Herring Gull	Larus argentatus Phalacrocorax auritus Dendroica coronata Larus argentatus Larus marinus Phalacrocorax auritus  Phalacrocorax auritus Pinicola enucleator Larus argentatus	1 1 1 12 2 6	N-S over lines, had to gain altitude N-S under lines E to W across harbour Fishing N of causeway Fishing N of causeway Fishing N of causeway N-S under lines East of causeway
09:15:00 <b>Wind 15-20 km</b> 09:15:00	Herring Gull Double-crested Cormorant Yellow-rumped Warbler Herring Gull Great Black-backed Gull Double-crested Cormorant  Double-crested Cormorant Pine Grosbeak Herring Gull Herring Gull	Larus argentatus  Phalacrocorax auritus  Dendroica coronata  Larus argentatus  Larus marinus  Phalacrocorax auritus  Phalacrocorax auritus  Pinicola enucleator  Larus argentatus  Larus argentatus  Larus argentatus	1 1 1 1 1 1 2 2 6 6 1 1 2	N-S over lines, had to gain altitude N-S under lines E to W across harbour Fishing N of causeway Fishing N of causeway Fishing N of causeway  N-S under lines East of causeway S-N under lines through ship canal N-S under lines, circling below close to wires a couple times
09:15:00 <b>Wind 15-20 km</b> 09:15:00	Herring Gull Double-crested Cormorant Yellow-rumped Warbler Herring Gull Great Black-backed Gull Double-crested Cormorant  Double-crested Cormorant Pine Grosbeak Herring Gull	Larus argentatus  Phalacrocorax auritus  Dendroica coronata  Larus argentatus  Larus marinus  Phalacrocorax auritus  Phalacrocorax auritus  Pinicola enucleator  Larus argentatus  Larus argentatus  Larus argentatus	1 1 1 12 2 6	N-S over lines, had to gain altitude N-S under lines E to W across harbour Fishing N of causeway Fishing N of causeway Fishing N of causeway  N-S under lines East of causeway S-N under lines through ship canal N-S under lines, circling below close to wires a couple
09:15:00 <b>Wind 15-20 km</b> 09:15:00 09:30:00	Herring Gull Double-crested Cormorant Yellow-rumped Warbler Herring Gull Great Black-backed Gull Double-crested Cormorant  Double-crested Cormorant Pine Grosbeak Herring Gull Herring Gull Herring Gull Song Sparrow	Larus argentatus  Phalacrocorax auritus  Dendroica coronata  Larus argentatus  Larus marinus  Phalacrocorax auritus  Phalacrocorax auritus  Pinicola enucleator  Larus argentatus  Larus argentatus  Larus argentatus  Melospiza melodia	1 1 1 12 2 6 1 2 1	N-S over lines, had to gain altitude N-S under lines E to W across harbour Fishing N of causeway Fishing N of causeway Fishing N of causeway  N-S under lines East of causeway S-N under lines through ship canal N-S under lines, circling below close to wires a couple times N-S under lines In M.Rose on lighthouse island
09:15:00 <b>Wind 15-20 km</b> 09:15:00 09:30:00	Herring Gull Double-crested Cormorant Yellow-rumped Warbler Herring Gull Great Black-backed Gull Double-crested Cormorant  Double-crested Cormorant Pine Grosbeak Herring Gull Herring Gull Herring Gull Song Sparrow Double-crested Cormorant	Larus argentatus  Phalacrocorax auritus  Dendroica coronata  Larus argentatus  Larus marinus  Phalacrocorax auritus  Phalacrocorax auritus  Pinicola enucleator  Larus argentatus  Larus argentatus  Larus argentatus  Melospiza melodia  Phalacrocorax auritus	1 1 1 12 2 6 1 2 1	N-S over lines, had to gain altitude N-S under lines E to W across harbour Fishing N of causeway Fishing N of causeway Fishing N of causeway  N-S under lines East of causeway S-N under lines through ship canal N-S under lines, circling below close to wires a couple times N-S under lines
09:15:00 <b>Wind 15-20 km</b> 09:15:00 09:30:00	Herring Gull Double-crested Cormorant Yellow-rumped Warbler Herring Gull Great Black-backed Gull Double-crested Cormorant  Double-crested Cormorant Pine Grosbeak Herring Gull Herring Gull Herring Gull Song Sparrow Double-crested Cormorant Belted Kingfisher	Larus argentatus  Phalacrocorax auritus  Dendroica coronata  Larus argentatus  Larus marinus  Phalacrocorax auritus  Phalacrocorax auritus  Pinicola enucleator  Larus argentatus  Larus argentatus  Larus argentatus  Melospiza melodia  Phalacrocorax auritus  Megaceryle alcyon	1 1 1 12 2 6 1 2 1	N-S over lines, had to gain altitude N-S under lines E to W across harbour Fishing N of causeway Fishing N of causeway Fishing N of causeway  N-S under lines East of causeway S-N under lines through ship canal N-S under lines, circling below close to wires a couple times N-S under lines In M.Rose on lighthouse island S-N under lines Near causeway
09:15:00 <b>Wind 15-20 km</b> 09:15:00 09:30:00	Herring Gull Double-crested Cormorant Yellow-rumped Warbler Herring Gull Great Black-backed Gull Double-crested Cormorant  Double-crested Cormorant Pine Grosbeak Herring Gull Herring Gull Herring Gull Song Sparrow Double-crested Cormorant Belted Kingfisher Double-crested Cormorant	Larus argentatus  Phalacrocorax auritus  Dendroica coronata  Larus argentatus  Larus marinus  Phalacrocorax auritus  Phalacrocorax auritus  Pinicola enucleator  Larus argentatus  Larus argentatus  Larus argentatus  Melospiza melodia  Phalacrocorax auritus  Megaceryle alcyon  Phalacrocorax auritus	1 1 1 1 1 2 2 6 6 1 1 1 1 1 1 1 1 1 1 1	N-S over lines, had to gain altitude N-S under lines E to W across harbour Fishing N of causeway Fishing N of causeway Fishing N of causeway  N-S under lines East of causeway S-N under lines through ship canal N-S under lines, circling below close to wires a couple times N-S under lines In M.Rose on lighthouse island S-N under lines Near causeway N-S under lines
09:15:00 <b>Wind 15-20 km</b> 09:15:00 09:30:00	Herring Gull Double-crested Cormorant Yellow-rumped Warbler Herring Gull Great Black-backed Gull Double-crested Cormorant  Double-crested Cormorant Pine Grosbeak Herring Gull Herring Gull Song Sparrow Double-crested Cormorant Belted Kingfisher Double-crested Cormorant Herring Gull	Larus argentatus  Phalacrocorax auritus  Dendroica coronata  Larus argentatus  Larus marinus  Phalacrocorax auritus  Phalacrocorax auritus  Pinicola enucleator  Larus argentatus  Larus argentatus  Larus argentatus  Melospiza melodia  Phalacrocorax auritus  Megaceryle alcyon  Phalacrocorax auritus  Larus argentatus	1 1 1 12 2 6 1 2 1	N-S over lines, had to gain altitude N-S under lines E to W across harbour Fishing N of causeway Fishing N of causeway Fishing N of causeway  N-S under lines East of causeway S-N under lines through ship canal N-S under lines, circling below close to wires a couple times N-S under lines In M.Rose on lighthouse island S-N under lines Near causeway N-S under lines N-S over lines high
09:15:00  Wind 15-20 km	Herring Gull Double-crested Cormorant Yellow-rumped Warbler Herring Gull Great Black-backed Gull Double-crested Cormorant  Double-crested Cormorant Pine Grosbeak Herring Gull Herring Gull Herring Gull Song Sparrow Double-crested Cormorant Belted Kingfisher Double-crested Cormorant	Larus argentatus  Phalacrocorax auritus  Dendroica coronata  Larus argentatus  Larus marinus  Phalacrocorax auritus  Phalacrocorax auritus  Pinicola enucleator  Larus argentatus  Larus argentatus  Larus argentatus  Melospiza melodia  Phalacrocorax auritus  Megaceryle alcyon  Phalacrocorax auritus	1 1 1 1 1 2 2 6 6 1 1 1 1 1 1 1 1 1 1 1	N-S over lines, had to gain altitude N-S under lines E to W across harbour Fishing N of causeway Fishing N of causeway Fishing N of causeway  N-S under lines East of causeway S-N under lines through ship canal N-S under lines, circling below close to wires a couple times N-S under lines In M.Rose on lighthouse island S-N under lines Near causeway N-S under lines

Date October 11, 2014

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
10:00:00	Herring Gull	Larus argentatus	1	S-N over lines, had to gain altitude
	Great Black-backed Gull	Larus marinus	1	N-S under lines
	Great Black-backed Gull	Larus marinus		N-S over lines S-N under lines
10:15:00	American Crow Herring Gull	Corvus brachyrhynchos  Larus argentatus	12	Feeding on schools of fish N of causeway
10.10.00	Great Black-backed Gull	Larus marinus	2	Feeding on schools of fish N of causeway
	Double-crested Cormorant	Phalacrocorax auritus	2	Feeding on schools of fish N of causeway
10:30:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Great Black-backed Gull	Larus marinus		N-S under lines
10:45:00	Herring Gull Double-crested Cormorant	Larus argentatus	1	S-N under lines
Afternoon Sur	vey: Wind 10-15km/hr N, Cloudy	Phalacrocorax auritus	1	S-N under lines
02:45:00	Bald Eagle	Haliaeetus leucocephalus	1	N-S over lines
	Herring Gull	Larus argentatus	1	N-S over lines, 3 approaches
	Herring Gull	Larus argentatus	1	N-S over lines, 2 approaches
03:30:00	Herring Gull	Larus argentatus	1	S-N under lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	1 1	N-S under lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	1 1	N-S under lines S-N under lines through ship canal
03:45:00	Black-capped Chickadee	Poecile atricapillus	'	Several east of causeway
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
04:00:00	Herring Gull	Larus argentatus	2	N-S over lines
	Herring Gull	Larus argentatus	1	S-N over lines, struggle to gain altitude
	Herring Gull	Larus argentatus	1	S-N over lines, had to gain altitude
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	1	N-S over lines,had to gain altitude N-S under lines
	Herring Gull	Larus argentatus	1 1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S over lines
04:15:00	Bald Eagle	Haliaeetus leucocephalus		N-S over lines
	Herring Gull	Larus argentatus	3	N-S over lines
	Herring Gull	Larus argentatus	27	N side of causeway
	Great Black-backed Gull	Larus marinus	4	N side of causeway
	Bald Eagle Double-crested Cormorant	Haliaeetus leucocephalus Phalacrocorax auritus		N side of causeway N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Herring Gull	Larus argentatus	1	N-S over lines
	Herring Gull	Larus argentatus	1	S-N between lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
04:30:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus	_	N-S under lines N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	6	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Bald Eagle	Haliaeetus leucocephalus	2	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Herring Gull	Larus argentatus		N-S over lines
	Double-crested Cormorant Herring Gull	Phalacrocorax auritus  Larus argentatus	2 2	N-S under lines N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S high over lines
04:45:00	Double-crested Cormorant	Phalacrocorax auritus	50	N-S high over lines
	White-winged Scoter	Melanitta fusca	4	Flying N of causeway
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S high over lines
	Double-crested Cormorant	Phalacrocorax auritus		N-S over lines
	Double-crested Cormorant Herring Gull	Phalacrocorax auritus  Larus argentatus	1 4	N-S under lines N-S high over lines
	Herring Gull	Larus argentatus		N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Great Blue Heron	Ardea herodias	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	8 4	N-S high over lines N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	80	N-S high over lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Great Blue Heron	Ardea herodias	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus		N-S over lines, had to gain altitude
05:00:00	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	22	N-S high over lines N-S under lines
00.00.00	Herring Gull	Larus argentatus		N-S over lines
	Herring Gull	Larus argentatus	1	S-N over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	7	N-S under lines
	Bald Eagle	Haliaeetus leucocephalus	1	Juvenile chasing gulls
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Caspian Tern	Hydroprogne caspia	2	S-N high
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	1 2	N-S under lines S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus		N-S high over lines
	Double-crested Cormorant	Phalacrocorax auritus	7	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	8	N-S under lines
	Belted Kingfisher	Megaceryle alcyon	1 1	Flying N of causeway
	Double-crested Cormorant	Phalacrocorax auritus		N-S under lines
05:15:00	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	6	N-S under lines N-S under lines through ship canal
00.10.00	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	1	N-S under lines through ship canal
	Great Black-backed Gull	Larus marinus	6	N-S high over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S high over lines
	Great Blue Heron	Ardea herodias	1	N-S backed off
	Double-crested Cormorant	Phalacrocorax auritus	7	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines

Date October 11, 2014

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
5:15:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	32	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	17	N-S high over lines
	Great Black-backed Gull	Larus marinus	1	N-S over lines
	Great Black-backed Gull	Larus marinus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	75	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Great Black-backed Gull	Larus marinus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	5	N-S over lines
	Herring Gull	Larus argentatus	1	S-N over lines, gained altitude
5:30:00	Double-crested Cormorant	Phalacrocorax auritus	7	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	11	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Herring Gull	Larus argentatus	1	N-S over lines, barely made it
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	6	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
5:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
0.40.00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Herring Gull	Larus argentatus	30	Sitting in water S of causeway
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Herring Gull	Larus argentatus	1	S-N over lines, gained altitude
	Great Black-backed Gull	Larus marinus	1	S-N under lines
	Great Black-backed Gull	Larus marinus	1	N-S over lines
	Great Black-backed Gull	<del> </del>	1	
		Phalacrocorax auritus	4	N-S over lines N-S under lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	4	
	Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	1	N-S high over lines N-S backed off, second approach over lines
	Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus		N-S under lines
			12	
	Double-crested Cormorant	Phalacrocorax auritus	1 1	N-S over lines, backed off, angled approach
indet valu	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines through ship canal
ight rain	Davible areated Cormovent	Dhalaaraaray ayritya		N.C. under lines
5:45:00	Double-crested Cormorant	Phalacrocorax auritus	6	N-S under lines
6:00:00	Double-crested Cormorant	Phalacrocorax auritus	14	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	7	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S over lines
2.45.62	Herring Gull	Larus argentatus	2	N-S under lines
6:15:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Great Black-backed Gull	Larus marinus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Great Black-backed Gull	Larus marinus	1	S-N under lines
	Great Black-backed Gull	Larus marinus	2	N-S over lines, 1 had to gain altitude
6:45:00	Gulls		50	Gathering on N wharf at ship canal

Species	Number of Individuals
American Crow	Observed
American Crow	4
American Robin	76
Bald Eagle	7
Belted Kingfisher	2
Blue Jay	2
Caspian Tern	2
Common Raven	1
Double-crested Cormorant	924
Great Black-backed Gull	34
Great Blue Heron	7
Gulls	50
Hairy Woodpecker	1
Herring Gull	145
Merlin	1
Pigeons	20
Pine Grosbeak	3
Purple finch	1
Ring-billed Gull	1
Savannah Sparrow	1
Song Sparrow	7
White-winged Scoter	4
Yellow-rumped Warbler	1

Date October 12, 2014

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
	Vind 15-20 km/h N			
06:45:00	Great Blue Heron	Ardea herodias	1	On N side of causeway
	Bald Eagle	Haliaeetus leucocephalus	1	N-S over lines
	Great black-backed Gull	Larus marinus	10	Soaring high above wires
	Herring Gull	Larus argentatus	30	Soaring high above wires
07.00.00	American Crow	Corvus brachyrhynchos	5	Loitering around causeway
07:00:00	D. #- d O	Davida a livra	4	Looked like it came from mainland. Flew over causeway
	Ruffed Grouse  Double-crested Cormorant	Bonasa umbellus	1	to Cape Breton. S-N under lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	7	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Bald Eagle	Haliaeetus leucocephalus	3	Soaring over lines
	Double-crested Cormorant	Phalacrocorax auritus	12	S-N under lines
	Great black-backed Gull	Larus marinus	1	S-N over lines, struggled to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Great Blue Heron	Ardea herodias	2	S-N over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	21	S-N under lines
	Herring Gull	Larus argentatus	1	S-N over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	20	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	19	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	27	S-N over lines
				Flying at wires, some between, over and under, lots of
	Double-crested Cormorant	Phalacrocorax auritus	28	trouble
	Double-crested Cormorant	Phalacrocorax auritus	30	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	25	S-N over lines high
	Double-crested Cormorant	Phalacrocorax auritus	16	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	11	S-N under lines
07:15:00	Double-crested Cormorant	Phalacrocorax auritus	21	Over lines, most had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	15	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	5	S-N
	Double-crested Cormorant	Phalacrocorax auritus	9	S-N under lines
	Herring Gull	Larus argentatus	1	S-N under lines
	Herring Gull	Larus argentatus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	3 2	S-N under lines S-N under lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Herring Gull	Larus argentatus	1	S-N over lines 2 approaches
	Common Raven	Corvus corax	2	Patrolling causeway
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
07:30:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
07.00.00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	5	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Herring Gull	Larus argentatus	3	S-N over lines
07:45:00	Pine Grosbeak	Pinicola enucleator	1	Heard east of causeway
	American Robin	Turdus migratorius		Heard east of causeway
	Herring Gull	Larus argentatus	1	S-N over lines, had to gain altitude
	Blue Jay	Cyanocitta cristata	8	N-S over lines
	Herring Gull	Larus argentatus	1	S-N over lines, 2 approaches
	Herring Gull	Larus argentatus	2	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
22.22.22	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
08:00:00	Great black-backed Gull	Larus marinus	1	N-S under lines N-S circled then over
	Double-crested Cormorant	Phalacrocorax auritus	1 1	N-S under lines
	Double-crested Cormorant Greater Scaup	Phalacrocorax auritus Aythya marila	1 1	N-S over lines
	Surf Scoter	Melanitta perspicillata	8	N-S over lines
08:15:00	Double-crested Cormorant	Phalacrocorax auritus	0 1	N-S under lines
30.13.00	Herring Gull	Larus argentatus	1	S-N under lines
08:30:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
00.30.00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Surf Scoter	Melanitta perspicillata	1	N of causeway
	Ring-billed Gull	Larus delawarensis	1	N-S under lines
	Herring Gull	Larus argentatus	1	N-S turn into wind, gain altitude
08:45:00	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Great black-backed Gull	Larus marinus	1	S-N under lines
Wind 30-40 km/		<del></del>	<b>.</b>	
08:45:00	Herring Gull	Larus argentatus	2	S-N over lines
09:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	American Robin	Turdus migratorius	30	East of causeway
	Bald Eagle	Haliaeetus leucocephalus	4	N-S high over lines
Wind 40-50 km/				
09:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
09:15:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
09:30:00	Great Blue Heron	Ardea herodias	1	East of causeway
	Herring Gull	Larus argentatus	2	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Great black-backed Gull	Larus marinus	2	N-S turn into wind, gain altitude, over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under linese S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	O-IA MINCE IIIICO

Date October 12, 2014

Double-crested Commant   Phalacrocorax auritus   2   S-N under lines	Time of Day	IO	Oniontific Name	No of health dates	- Chaoica Bahaviaur
Double-created Command Polither control of Pol	Time of Day	Common Name	Scientific Name		
Double-versited Communist   Productions a publish   2   N S under times	09:45:00				
Service Phase Section Coll   Conservance   1   Service Immediate   College   Conservance   1   Service Immediate   College				-	
Serial State Nucleot Gold   Joseph Provided   1   S. N. Unader lines Intrough ship careal					
Conception   College created Comment   Problemscore author   1   3   5   5   5   5   5   5   5   5   5					
Disclasseration Community   Protection of the	1000			·	· ·
Double-created Commant   Philadericone auritus   3   S.N. 1 one 2 backed off thin over	10:00:00				
Disable-created Commannet   Plustencearca aurativa   1   SN under lines				· ·	
Control   Cont				3	
Frient Englocale Calcular Land manuscular 9 Lottering near causeway Foreign Guil Carrier comprehense 6 Lottering near causeway Foreign Guil Carrier comprehense 6 S. M. Under lines Foreign Guil Carrier comprehense 6 S. M. Under lines Foreign Burk booked Guil Land group carrier 6 S. M. Under lines Foreign Burk booked Guil Carrier comprehense 2 Jurisd Friend on N Good Causeway Foreign Burk booked Guil Carrier comprehense 2 Jurisd Friend on N Good Causeway Foreign Burk booked Guil Carrier Carrier Carrier 1 S. M. Under lines on N Good Causeway Foreign Burk booked Guil Carrier Carrier Carrier 1 S. M. Under lines on N Good Causeway Foreign Carrier Carrier 1 Present Carrier Carrier 1 S. M. Under lines on N Good Causeway Foreign Carrier Carr				1	
Frenting Guill Conscious Agreements (Sell Chroscophillos photologhillos Sell India Sell Chroscophillos photologhillos Sell India Sell India Sell Chroscophillos photologhillos Sell India Sell Chroscophillos Sell Chroscophillos Sell Chroscophillos Sell Chroscophillos Sell Chroscophillos Sell Chroscophillos Sell Sell India Sell Chroscophillos Sell Sell India Sell	10:15:00	Double-crested Cormorant	Phalacrocorax auritus	1	
Bosapartes Gull   Ausureproteixs   6   Onder lines on N side of causeway		Great black-backed Gull	Larus marinus	9	
Floring Galille   Carres arguments   6		Herring Gull	Larus argentatus	6	Loitering near causeway
Great Black-basked Cull   Larva relations   2   United fires on N aide of Lausaway		Bonaparte's Gull	Chroicocephalus philadelphia	6	S-N under lines
Wind 50 - Information   Phalacrocoxia cumins   1	10:30:00	Herring Gull	Larus argentatus	6	Under lines on N side of causeway
10.310.00   Double-created Commant   Phatecocorate acarbas   1   S.N. under lines   10.410.00   Solid-created Commant   Phatecocorate acarbas   1   S.N. under lines   10.410.00   Solid-created Commant   Phatecocorate acarbas   1   S.N. under lines   10.410.00   Solid-created Commant   Phatecocorate acarbas   1   S.N. under lines   10.410.00   Solid-created Commant   Phatecocorate acarbas   1   S.N. under lines   10.410.00   Solid-created Commant   Phatecocorate acarbas   1   S.N. under lines   10.410.00   Solid-created Commant   Phatecocorate acarbas   1   S.N. under lines   10.410.00   Solid-created Commant   Phatecocorate acarbas   1   S.N. under lines		Great black-backed Gull	Larus marinus	2	Under lines on N side of causeway
Red-throated Lorn Commant Phatercocava auritus 1 SN under lines 10.45.00 Double-created Commant Phatercocava auritus 1 SN under lines 11. SN under	Wind 50+ km/h	1		•	
Double-created Commant   Phatecrocorae authors   1   8.9 turner lines	10:30:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
Double-created Commant   Phatecrocorae authors   1   8.9 turner lines		Red-throated Loon	Gavia stellata	1	50 m N of causeway
Double-created Commant   Proble-crossor authors   1   N. S. under lines		Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
Double-created Commant   Proble-crossor authors   1   N. S. under lines	10:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S turn into wind, 2-3 approaches, backed off
Culis   Surring Gull   Lanus argentatus   1   Salud abswards under lines N-S atmost hit wires, close call   Common Edide   C		Double-crested Cormorant	Phalacrocorax auritus	1	
Herring Gulf   Larus argentatus   1   Salied backwards under lines N-S almost hit wires, close call   Common Educity   Common Education   Common Educity   Common Education   Common Educity   Common Education   Com			-	20	
Afternoo Survy, Wind 50-00 Am/hr N  10245;00  Common Eider  Somatoria molisaria  Double-crested Commonant  Philaborocoans auritus  Touble-crested Commonant  Surf Stoter  Common Eider  Somatoria molisaria  Surf Stoter  Common Riven  Convus Corrus  Melenitia parapicilates  Sis Just N of causeway  Touble-crested Commonant  Morus Sossassuus  Touble-crested Commonant  Philaborocoans auritus  Touble				20	•
Afternoon Survey: Winst 50-00 km/hr N  245.00 Common Elicer  Double-created Commant Phabercocoax auritus  3 Somateria moilssame  4 Somateria moilssame  3 Somateria moilssame  4 Somateria moilssame  5 Somateria moilssame  6 Somateria moilssame  5 Somateria moilssame  6 Somateria moilssame  6 Somateria moilssame  6 Somateria moilssame  7 No Somateria moilssame  7 No Somateria moilssame  7 No Sower Innea  7 Sower Innea  7 Sower Innea  7 Sower Innea  7 Southier In		Herring Gull	Larus argentatus	1	
Common Eider   Somateria molissame   19   Just N of causeway	Afternoon Sur	vev: Wind 50-60 km/hr N			Call
Double-crested Commant Philaderocoax auritus  3.0 SN under lines  Double-crested Commant Philaderocoax auritus  1.1 SN under lines  Double-crested Commont Philaderocoax auritus  1.2 SN under lines  Double-crested Commont Philaderocoax auritus  3.0 NS under lines  Double-crested Commont Surf Scoter Mileshinta perspeciation Surf Scoter Mileshinta Scoter Surfus Surfus Institution Surf			Somateria mollissima	10	Just N of causeway
Double-created Commonant   Phalescrocorax auritus   1   SN under lines	02.40.00				•
Double-created Cormorant   Phalecrocorax auritus   1   N.S. under lines					
Description					
Common Eider Somateria mollssime 30 back north Surf Souter Mellenting perspicibilities 35 Just N of Causeway 9  30:15:00 Northern Gannet Morus bassanus 1 N Sunder lines through ship canal 1  30:15:00 Northern Gannet Morus bassanus 1 N Sunder lines through ship canal 1  30:15:00 Northern Gannet Morus bassanus 1 N Sunder lines through ship canal 1  30:15:00 Northern Gannet Phalesencorax auritus 1 N Sunder lines through ship canal 1  30:15:00 Northern Gannet Phalesencorax auritus 1 N Sunder lines 1  30:15:00 Northern Gannet Phalesencorax auritus 1 N Sunder lines 1  30:15:00 Northern Gannet Phalesencorax auritus 1 N Sunder lines 1  30:15:00 Northern Gannet Phalesencorax auritus 1 N Sunder lines 1  30:15:00 Northern Gannet Phalesencorax auritus 1 N Sunder lines 1  30:15:00 Northern Gannet Phalesencorax auritus 1 N Sunder lines 1  30:15:00 Northern Gannet Phalesencorax auritus 1 N Sunder lines 1  40:10:00 Northern Gannet Commont Phalesencorax auritus 1 N Sunder lines 1  40:10:00 Northern Gannet Commont Phalesencorax auritus 1 N Sunder lines 1  40:10:00 Northern Gannet Commont Phalesencorax auritus 1 N Sunder lines 1  40:10:00 Northern Gannet Commont Phalesencorax auritus 1 N Sunder lines 1  40:10:00 Northern Gannet Commont Phalesencorax auritus 1 N Sunder lines 1  40:10:00 Northern Gannet Commont Phalesencorax auritus 1 N Sunder lines 1  40:10:00 Northern Gannet Commont Phalesencorax auritus 1 N Sunder lines 1  40:10:00 Northern Gannet Commont Phalesencorax auritus 1 N Sunder lines 1  40:10:00 Northern Gannet Phalesencorax auritus 1 N Sunder lines 1  40:10:00 Northern Gannet Phalesencorax auritus 1 N Sunder lines 1  40:10:00 Northern Gannet Phalesencorax auritus 1 N Sunder lines 1  40:10:00 Northern Gannet Phalesencorax auritus 1 N Sunder lines 1  40:10:00 Northern Gannet Phalesencorax auritus 1 N Sunder lines 1  40:10:00 Northern Gannet Phalesencorax auritus 1 N Sunder lines 1  40:10:00 Northern Gannet Phalesencorax auritus 1 N Sunder lines 1  40:10:00 Northern Gannet Phalesencorax auritus 1 N Sunder lines 1  40:10:	00.00.00	Double-crested Cormorant	rnaiacrocorax auritus	1	
Common Eider   Somatoria mollissima   30   back north	03:00:00				
Surf Scoter Mehrints perspicitate 35 Jusis Not Causeway Common Raven Connac crows 1 Northern Garmet Merus bassamus 1 Not causeway Mehren Connac crows 1 Northern Garmet Meurs bassamus 1 Not causeway Mehren Connac crows 1 Northern Garmet Meurs bassamus 1 Not causeway Mehren Connac crows Member 1 No Sover lines 1					
Common Raven Constructors 1 NS under lines through ship canal No. 15.15.00 Northern Garnet Morus bassanus 1 NS over lines Double-crested Commorant Pholosococonx auritus 1 NS over lines Double-crested Commorant Double-crested Commorant Pholosococonx auritus 1 NS over lines Double-crested Commorant Double-crested Commorant Pholosococonx auritus 1 NS under lines International Double-crested Commorant Pholosococonx auritus 1 NS under lines through ship canal Double-crested Commorant Pholosococonx auritus 1 NS under lines through ship canal Double-crested Commorant Pholosococonx auritus 1 NS under lines through ship canal Double-crested Commorant Pholosococonx auritus 1 NS under lines International Double-crested Commorant Pholosococonx auritus 2 NS under lines Double-crested Commorant Pholosococonx auritus 1 NS under lines Double-crested Commorant Pholosococonx auritus 2 NS under lines Double-crested Commorant Pholosococonx auritus 1 NS under lines					
Northern Gannet   Morus bassanus   1   N of causeway					
Bald Eagle Double-crested Cormorant Phasercocrava auritus 1 N.S over lines 03:30:00 Wilson's Storm-Petral Coeaniss oceanicus 5 Double-crested Cormorant Phasercocrava auritus 1 N.S under lines 03:45:00 Double-crested Cormorant Phasercocrava auritus 3 N.S turn into wind, gain altitude, 1 under lines packed off creat black-backed Gull Larus marinus 1 N.S under lines 2 Lottering on grass near ship canal learns auritus 1 N.S under lines lines 1 N.S un			Corvus corax	1	
Double-crested Cormorant   Phabercoorax auritus   1 N. S over lines	03:15:00			1	•
Wilson's Storm-Petrel   Operatives operations   5   Double-crested Commonant   Phalacrocorax auritus   1   NS under lines			•	1	
Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 3 N-S turn tow ind., gain altitude, 1 under lines, other backed off Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines (1984) Double-crested Cormorant Ph			Phalacrocorax auritus	1	N-S over lines
Double-crested Cormorant Phelacrocorax auritus 3 backed off Coreat back-backed Gull Larus memus 2 Loitering on grass near ship canal Larus argentatus 1 N-S under lines Corea back-backed Gull Larus memus 2 Loitering on grass near ship canal Larus argentatus 1 N-S under lines 1 N-S under lines 1 Larus argentatus 1 N-S under lines 1 N-S	03:30:00	Wilson's Storm-Petrel	Oceanites oceanicus	5	
Double-crested Cormorant   Phalacrocorax auritus   1 N-S under lines		Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
Double-crested Commonant   Phelecrocorax aurius   1	03:45:00				N-S turn into wind, gain altitude, 1 under lines, other
Double-crested Commorant   Phalecrocorax aurilus   1   N-S under lines		Double-crested Cormorant	Phalacrocorax auritus	3	backed off
Herring Gull		Double-crested Cormorant	Phalacrocorax auritus		N-S under lines
Herring Gull		Great black-backed Gull	Larus marinus	2	Loitering on grass near ship canal
Double-crested Cormorant   Phalacrocorax auritus   1   NS under lines			Larus argentatus		• •
Herring Gull					
Hartequin Duck   Histrionicus histrionicus   1   N of causeway					
Great black-backed Gull  O4:15:00  Double-crested Cormorant  Double-crested Cormorant  Phabcrocorax auritus  O4:30:00  Double-crested Cormorant  Phabcrocorax auritus  O5:00:00  Double-crested Cormorant  Phabcrocorax auritus  Double-crested Cormorant  Phabcrocorax auritus  Double-crested Cormorant  Phabcrocorax auritus  Double-crested Cormorant  Phabcrocorax auritus  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Phabcrocorax auritus  Double-crested Cormorant  Phabcrocora	04:00:00				
Double-crested Cormorant   Phalacrocorax auritus   2   N-S turn into wind, gained altitude, over lines	0 1.00.00				
Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines  American Crow Corvus brachyrhynchos 1 N-S over lines  Double-crested Cormorant Phalacrocorax auritus 2 N-S turn into wind, then under lines  Double-crested Cormorant Phalacrocorax auritus 1 S-N under lines  Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 2 N-S turn into wind, gain altitude, over lines  Double-crested Cormorant Phalacrocorax auritus 2 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 3 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 2 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 3 N-S under lines  Itealand Guil Larus glaucoides 1 Just N of causeway  Double-crested Cormorant Phalacrocorax auritus 3 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 1 N-S turn into wind, gain altitude the over  04:45:00 Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 2 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 2 N-S under lines  Doub	04:15:00				
American Crow   Corvus brachyrhynchos   1   N-S over lines	04.13.00				· ·
O4:30:00   Double-crested Cormorant   Phalacrocorax auritus   2   N-S turn into wind, then under lines					
European Statrling   Sturmus vulgaris   50   Loitering near causeway	04:30:00			-	
Double-crested Cormorant   Phalacrocorax auritus   1   S-N under lines	04.30.00				
Double-crested Cormorant   Phalacrocorax auritus   1   N-S under lines					
Double-crested Cormorant   Phalacrocorax auritus   7   N-S under lines				•	
Double-crested Cormorant   Phalacrocorax auritus   2   N-S turn into wind, gain altitude, over lines					
Double-crested Cormorant Phalacrocorax auritus 1 N-S turn into wind at last second, gain altitude, over line Wilson's Storm-Petrel Oceanites oceanicus 1 N-S under lines Double-crested Cormorant Phalacrocorax auritus 2 N-S under lines localand Gull Larus glaucoides 1 Just N of causeway Double-crested Cormorant Phalacrocorax auritus 3 N-S under lines Double-crested Cormorant Phalacrocorax auritus 2 N-S under lines Double-crested Cormorant Phalacrocorax auritus 3 N-S over lines Double-crested Cormorant Phalacrocorax auritus 3 N-S over lines Double-crested Cormorant Phalacrocorax auritus 2 N-S turn into wind, gain altitude the over Double-crested Cormorant Phalacrocorax auritus 1 N-S turn into wind then under lines Double-crested Cormorant Phalacrocorax auritus 1 N-S underlines Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines Double-crested Cormorant Phalacrocorax auritus 2 N-S under lines Double-crested Cormorant Phalacrocorax auritus 3 N-S under lines Double-crested Cormorant Phalacrocorax auritus 5 N-S under lines Double-crested Cormorant P					
Wilson's Storm-Petrel   Oceanites oceanicus   1   N-S under lines		Double-crested Cormorant	Prialacrocorax auritus		N-5 turn into wind, gain attitude, over lines
Wilson's Storm-Petrel   Oceanites oceanicus   1   N-S under lines		B. 11.	Di atau a a a a a a a a a a a a a a a a a	4	N. C. transinta reind at last according to altitude areas lines
Double-crested Cormorant   Phalacrocorax auritus   2   N-S under lines					
Double-crested Cormorant   Phalacrocorax auritus   3					
Iceland Gull   Larus glaucoides   1					
Double-crested Cormorant   Phalacrocorax auritus   2   N-S under lines					
Double-crested Cormorant   Phalacrocorax auritus   2 N-S turn into wind, gain altitude the over			•		•
Double-crested Cormorant   Phalacrocorax auritus   2   N-S turn into wind, gain altitude the over					
Double-crested Cormorant   Phalacrocorax auritus   1 N-S turn into wind then under lines					
Double-crested Cormorant   Phalacrocorax auritus   1   N-S underlines					. 0
Common Eider Somateria mollissima 18 Just N of causeway  Double-crested Cormorant Phalacrocorax auritus 1 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 6 N-S high over lines  Double-crested Cormorant Phalacrocorax auritus 1 N-S turn into wind, gain altitude, over lines  Double-crested Cormorant Phalacrocorax auritus 2 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 3 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 9 N-S under lines  Duck sp - 25 N-S over lines  Double-crested Cormorant Phalacrocorax auritus 5 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 5 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 2 N-S turn into wind, gain altitude, over lines  Double-crested Cormorant Phalacrocorax auritus 4 Turn into wind, gain altitude, under lines  Double-crested Cormorant Phalacrocorax auritus 4 Turn into wind, gain altitude, under lines	04:45:00				
Double-crested Cormorant   Phalacrocorax auritus   1   N-S under lines					
Double-crested Cormorant   Phalacrocorax auritus   6   N-S high over lines				18	•
Double-crested Cormorant Phalacrocorax auritus 1 N-S turn into wind, gain altitude, over lines Double-crested Cormorant Phalacrocorax auritus 2 N-S under lines Double-crested Cormorant Phalacrocorax auritus 3 N-S under lines Double-crested Cormorant Phalacrocorax auritus 9 N-S under lines Duck sp - 25 N-S over lines Double-crested Cormorant Phalacrocorax auritus 5 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 5 N-S under lines Double-crested Cormorant Phalacrocorax auritus 2 N-S turn into wind, gain altitude, over lines Double-crested Cormorant Phalacrocorax auritus 4 Turn into wind, gain altitude, under lines Double-crested Cormorant Phalacrocorax auritus 4 Turn into wind, gain altitude, under lines  Double-crested Cormorant Phalacrocorax auritus 4 Turn into wind at last second then under lines, close call		Double-crested Cormorant	Phalacrocorax auritus	1	
Double-crested Cormorant Phalacrocorax auritus 1 N-S turn into wind, gain altitude, over lines Double-crested Cormorant Phalacrocorax auritus 2 N-S under lines Double-crested Cormorant Phalacrocorax auritus 3 N-S under lines Double-crested Cormorant Phalacrocorax auritus 9 N-S under lines Duck sp - 25 N-S over lines Double-crested Cormorant Phalacrocorax auritus 5 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 5 N-S under lines Double-crested Cormorant Phalacrocorax auritus 2 N-S turn into wind, gain altitude, over lines Double-crested Cormorant Phalacrocorax auritus 4 Turn into wind, gain altitude, under lines Double-crested Cormorant Phalacrocorax auritus 4 Turn into wind, gain altitude, under lines  Double-crested Cormorant Phalacrocorax auritus 4 Turn into wind at last second then under lines, close call	05:00:00	Double-crested Cormorant	Phalacrocorax auritus	6	
Double-crested Cormorant Phalacrocorax auritus 2 N-S under lines Double-crested Cormorant Phalacrocorax auritus 3 N-S under lines Double-crested Cormorant Phalacrocorax auritus 9 N-S under lines Duck sp - 25 N-S over lines Double-crested Cormorant Phalacrocorax auritus 5 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 5 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 2 N-S turn into wind, gain altitude, over lines  Double-crested Cormorant Phalacrocorax auritus 4 Turn into wind, gain altitude, under lines  Double-crested Cormorant Phalacrocorax auritus 4 Turn into wind at last second then under lines, close call		Double-crested Cormorant			
Double-crested Cormorant Phalacrocorax auritus 3 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 9 N-S under lines  Duck sp - 25 N-S over lines  Double-crested Cormorant Phalacrocorax auritus 5 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 2 N-S turn into wind, gain altitude, over lines  Double-crested Cormorant Phalacrocorax auritus 4 Turn into wind, gain altitude, under lines  Double-crested Cormorant Phalacrocorax auritus 4 Turn into wind at last second then under lines, close call					
Double-crested Cormorant Phalacrocorax auritus 9 N-S under lines  Duck sp - 25 N-S over lines  Double-crested Cormorant Phalacrocorax auritus 5 N-S under lines  Double-crested Cormorant Phalacrocorax auritus 2 N-S turn into wind, gain altitude, over lines  Double-crested Cormorant Phalacrocorax auritus 4 Turn into wind, gain altitude, under lines  Double-crested Cormorant Phalacrocorax auritus 1 Turn into wind at last second then under lines, close call					
Duck sp Double-crested Cormorant Phalacrocorax auritus Turn into wind, gain altitude, under lines Turn into wind at last second then under lines, close call					
Double-crested Cormorant   Phalacrocorax auritus   5   N-S under lines			-		
Double-crested Cormorant   Phalacrocorax auritus   2   N-S under lines			Phalacrocorax auritus		
Double-crested Cormorant  Phalacrocorax auritus  Turn into wind, gain altitude, over lines  Turn into wind, gain altitude, under lines  Turn into wind at last second then under lines, close call	05:15:00				
Double-crested Cormorant Phalacrocorax auritus 2 N-S turn into wind, gain altitude, over lines Double-crested Cormorant Phalacrocorax auritus 4 Turn into wind, gain altitude, under lines  Double-crested Cormorant Phalacrocorax auritus 1 Turn into wind at last second then under lines, close call	33.13.00				
Double-crested Cormorant  Phalacrocorax auritus  4 Turn into wind, gain altitude, under lines  Double-crested Cormorant  Phalacrocorax auritus  1 Turn into wind at last second then under lines, close call					
Double-crested Cormorant  Phalacrocorax auritus  1 Turn into wind at last second then under lines, close call					· ·
1 Turn into wind at last second then under lines, close call		Podpie-crested Collinoration	i iiaiaciocorax auritus	4	ram mo wmu, gam annue, unuel illes
Turn into wind at last second then under lines, close call		Double-crested Cormorant	Phalacrocorax auritus	4	Turn into wind at last accord than under lines, along all
Great Blue Heron   Ardea nerodias   3   N-S over lines, turn into wind					
		Great Blue Heron	Ardea herodias	3	N-9 over lines, turn into wind

Date October 12, 2014

Time of Day	Common Name	Scientific Name	No of Individu	ıals Species Behaviour
Rain				
05:15:00	Double-crested Cormorant	Phalacrocorax auritus	5	Turn into wind, waited, all over lines
05:30:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S turn into wind, gain altitude, over lines
	Canada Goose	Branta canadensis	9	High over lines S-N
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S turn into wind, gain altitude, then over lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S turn into wind, one over one under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S turn into wind, gain altitude, over lines
	Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
	Long-tailed Duck	Clangula hyemalis	6	Headed S, backed off, went back north
				Looked like it was tumbling down as if it had hit wires bu
				it was a brief look from far away and visibility was getting
	Unknown sp.	_	1	worse. Looked like a Storm Petrel.
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S turn into wind, over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	Hit wires and was sliced into several pieces.
	Double-crested Cormorant	Phalacrocorax auritus	3	Over lines
	Duck sp.	-	30	N-S turn into wind before wires at last second, 4 had too much momentum and went between lines, close calls.
	Murre sp.	-		N of causeway
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
05:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S turn into wind gain altitude, over lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S between lines, minor trouble
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S turn into wind, gain altitude, over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	60	N-S high over lines
06:00:00	Bald Eagle	Haliaeetus leucocephalus	1	N-S under lines
00.00.00	Harlequin Duck	Histrionicus histrionicus	1	N of causeway
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S turn into wind, gain altitude, over lines
	Great black-backed Gull	Larus marinus	1	N-S turn into wind, gain altitude, sailed over
06:15:00	Wilson's Storm-Petrel	Oceanites oceanicus	2	N of causeway
	Great Blue Heron	Ardea herodias	1	N-S turn into wind, gain altitude, over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
06:30:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
33.00.00	Great Blue Heron	Ardea herodias	1	E-W across water S of causeway

	Number of Individuals
Species	Observed
American Crow	6
American Robin	30
Bald Eagle	10
Blue Jay	8
Bonaparte's Gull	8
Canada Goose	9
Common Eider	67
Common Raven	3
Double-crested Cormorant	533
Duck sp.	55
European Starling	50
Great black-backed Gull	32
Great Blue Heron	9
Greater Scaup	1
Gulls	20
Harlequin Duck	2
Herring Gull	74
Iceland Gull	1
Long-tailed Duck	6
Northern Gannet	1
Pine Grosbeak	1
Red-throated Loon	1
Ring-billed Gull	1
Ruffed Grouse	1
Surf Scoter	44
Wilson's Storm-Petrel	8

Date October 15, 2014

6:45:00	Common Name 15-20 km/h NW	Scientific Name	INO OF INGIVIOU	als Species Behaviour
	American Crow	Corvus brachyrhynchos		Loitering
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Herring Gull	Larus argentatus	1	N-S under lines
	Herring Gull	Larus argentatus	2	N-S over lines, had to gain altitude, 2 approaches
07:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines, low over causeway during traffic bre
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Herring Gull	Larus argentatus	1	S-N over lines, had to gain altitude
	Common Merganser	Mergus merganser	3	N-S over lines, had to gain altitude, hesitated
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Great Black-backed Gull	Larus marinus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant			
		Phalacrocorax auritus	3	S-N under lines through ship canal S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus		S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	12	
	Double-crested Cormorant	Phalacrocorax auritus	19	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	50	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	30	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	10	S-N over lines, 6 had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	12	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	20	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	25	S-N high over lines
15:00	Double-crested Cormorant	Phalacrocorax auritus	25	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	36	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	35	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	21	S-N under lines through ship canal
	Herring Gull	Larus argentatus	2	S-N over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	7	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	S-N under lines, through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	5	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N, 2 over lines, had to gain altitude, other betweer with some trouble
	Double-crested Cormorant	Phalacrocorax auritus	12	S-N under lines
	Herring Gull	Larus argentatus	3	S-N over lines, 2 took 2 approaches
	Common Raven	Corvus corax	2	Loitering around causeway
	Double-crested Cormorant	Phalacrocorax auritus	8	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	10	S-N under lines
	Hairy Woodpecker	Picoides villosus	1	E-W across water
	Double-crested Cormorant	Phalacrocorax auritus	6	N-S under lines
30:00	Double-crested Cormorant	Phalacrocorax auritus	30	S-N under lines
30.00	Herring Gull		2	S-N over lines, both gain altitude
	Double-crested Cormorant	Larus argentatus	10	
		Phalacrocorax auritus	10	S-N under lines, had to lower altitude quickly
	Great Black-backed Gull	Larus marinus	•	S-N under lines, carrying squid
	Great Black-backed Gull	Larus marinus	2	S-N under lines
	Herring Gull	Larus argentatus	1	S-N over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Bald Eagle	Haliaeetus leucocephalus	1 1	N-S over lines
			<u>'</u>	
	Herring Gull	l arus argentatus		_
	Herring Gull	Larus argentatus	3	minor trouble
	Herring Gull Herring Gull	Larus argentatus  Larus argentatus		
		-		minor trouble
	Herring Gull	Larus argentatus	3	minor trouble S-N over lines, 4 approaches
	Herring Gull Double-crested Cormorant	Larus argentatus Phalacrocorax auritus	3 1 1	minor trouble S-N over lines, 4 approaches S-N under lines N-S under lines
	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus	3 1 1 1 1 15	minor trouble S-N over lines, 4 approaches S-N under lines N-S under lines Loitering on N side of causeway
45:00	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus	3 1 1 1 1 15 23	minor trouble S-N over lines, 4 approaches S-N under lines N-S under lines Loitering on N side of causeway Loitering on N side of causeway
45:00	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus	3 1 1 1 1 15	minor trouble S-N over lines, 4 approaches S-N under lines N-S under lines Loitering on N side of causeway Loitering on N side of causeway S-N high over lines
45:00	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus	3 1 1 1 15 23 5	minor trouble  S-N over lines, 4 approaches  S-N under lines  N-S under lines  Loitering on N side of causeway  Loitering on N side of causeway  S-N high over lines  S-N under lines
45:00	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	3 1 1 1 15 23 5 1	minor trouble S-N over lines, 4 approaches S-N under lines N-S under lines Loitering on N side of causeway Loitering on N side of causeway S-N high over lines S-N under lines N-S under lines
45:00	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	3 1 1 1 15 23 5 1 2	minor trouble S-N over lines, 4 approaches S-N under lines N-S under lines Loitering on N side of causeway Loitering on N side of causeway S-N high over lines S-N under lines N-S under lines S-N over lines, gain altitude
45:00	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus	3 1 1 1 1 15 23 5 1 2 1 2	minor trouble S-N over lines, 4 approaches S-N under lines N-S under lines Loitering on N side of causeway Loitering on N side of causeway S-N high over lines S-N under lines N-S under lines S-N over lines, gain altitude N-S under lines
45:00	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus	3 1 1 1 1 15 23 5 1 2 1 2 1	minor trouble S-N over lines, 4 approaches S-N under lines N-S under lines Loitering on N side of causeway Loitering on N side of causeway S-N high over lines S-N under lines N-S under lines S-N over lines, gain altitude N-S under lines N-S over lines, had to gain altitude, 2 approaches
45:00	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Corvus brachyrhynchos	3 1 1 1 1 15 23 5 1 2 1 2 1 2 1 24	minor trouble S-N over lines, 4 approaches S-N under lines N-S under lines Loitering on N side of causeway Loitering on N side of causeway S-N high over lines S-N under lines N-S under lines S-N over lines, gain altitude N-S under lines N-S over lines N-S over lines, bad to gain altitude, 2 approaches NE-SW over lines across water to mainland
45:00	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow Great Black-backed Gull	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Corvus brachyrhynchos Larus marinus	3 1 1 1 1 15 23 5 1 2 1 2 1 2 1 24 1	minor trouble S-N over lines, 4 approaches S-N under lines N-S under lines Loitering on N side of causeway Loitering on N side of causeway S-N high over lines S-N under lines N-S under lines S-N over lines, gain altitude N-S under lines N-S over lines N-S over lines, had to gain altitude, 2 approaches NE-SW over lines across water to mainland N-S 3 approaches to gain altitude, over lines
45:00	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow Great Black-backed Gull Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Corvus marinus Corvus brachyrhynchos Larus marinus Phalacrocorax auritus	3 1 1 1 15 23 5 1 2 1 2 1 2 1 24 1 2	minor trouble S-N over lines, 4 approaches S-N under lines N-S under lines Loitering on N side of causeway Loitering on N side of causeway S-N high over lines S-N under lines N-S under lines S-N over lines, gain altitude N-S under lines N-S over lines N-S over lines N-S over lines across water to mainland N-S 3 approaches to gain altitude, over lines N-S under lines
	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow Great Black-backed Gull Double-crested Cormorant Bald Eagle	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Corvus brachyrhynchos Larus marinus Phalacrocorax auritus Haliaeetus leucocephalus	3 1 1 1 15 23 5 1 2 1 2 1 24 1 2 1	minor trouble  S-N over lines, 4 approaches  S-N under lines  N-S under lines  Loitering on N side of causeway  Loitering on N side of causeway  S-N high over lines  S-N under lines  N-S under lines  N-S under lines  N-S over lines, gain altitude  N-S over lines, had to gain altitude, 2 approaches  NE-SW over lines across water to mainland  N-S 3 approaches to gain altitude, over lines  N-S under lines  N-S over lines
	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow Great Black-backed Gull Double-crested Cormorant Bald Eagle Herring Gull	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Corvus brachyrhynchos Larus marinus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Larus marinus Larus marinus Larus marinus Larus argentatus	3 1 1 1 1 15 23 5 1 2 1 2 1 24 1 2 1 1 1	minor trouble  S-N over lines, 4 approaches  S-N under lines  N-S under lines  Loitering on N side of causeway  Loitering on N side of causeway  S-N high over lines  S-N under lines  N-S under lines  N-S under lines  N-S over lines, gain altitude  N-S over lines, had to gain altitude, 2 approaches  NE-SW over lines across water to mainland  N-S 3 approaches to gain altitude, over lines  N-S under lines  N-S under lines  N-S over lines across water to mainland  N-S 3 approaches to gain altitude, over lines  N-S under lines  N-S over lines had to gain altitude quickly at last min  S-N over lines 4 approaches
	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow Great Black-backed Gull Double-crested Cormorant Bald Eagle Herring Gull Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Corvus brachyrhynchos Larus marinus Phalacrocorax auritus Haliaeetus leucocephalus Larus argentatus Phalacrocorax auritus	3 1 1 1 15 23 5 1 2 1 2 1 24 1 2 1	minor trouble S-N over lines, 4 approaches S-N under lines N-S under lines Loitering on N side of causeway Loitering on N side of causeway S-N high over lines S-N under lines N-S under lines N-S under lines N-S under lines N-S over lines, gain altitude N-S under lines N-S over lines, had to gain altitude, 2 approaches NE-SW over lines across water to mainland N-S 3 approaches to gain altitude, over lines N-S under lines N-S over lines had to gain altitude quickly at last min S-N over lines 4 approaches N-S under lines
	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow Great Black-backed Gull Double-crested Cormorant Bald Eagle Herring Gull	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Corvus brachyrhynchos Larus marinus Phalacrocorax auritus Larus marinus Larus marinus Phalacrocorax auritus Larus marinus Larus marinus Larus marinus Larus marinus Larus argentatus	3 1 1 1 1 15 23 5 1 2 1 2 1 2 1 24 1 2 1 1 2 1 30	minor trouble  S-N over lines, 4 approaches  S-N under lines  N-S under lines  Loitering on N side of causeway  Loitering on N side of causeway  S-N high over lines  S-N under lines  N-S under lines  S-N over lines, gain altitude  N-S under lines  N-S over lines, had to gain altitude, 2 approaches  NE-SW over lines across water to mainland  N-S 3 approaches to gain altitude, over lines  N-S under lines  N-S over lines had to gain altitude quickly at last min  S-N over lines 4 approaches  N-S under lines  E of causeway
	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow Great Black-backed Gull Double-crested Cormorant Bald Eagle Herring Gull Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Corvus brachyrhynchos Larus marinus Phalacrocorax auritus Haliaeetus leucocephalus Larus argentatus Phalacrocorax auritus	3 1 1 1 1 15 23 5 1 2 1 2 1 24 1 2 1 1 1 1 1	minor trouble S-N over lines, 4 approaches S-N under lines N-S under lines Loitering on N side of causeway Loitering on N side of causeway S-N high over lines S-N under lines N-S under lines N-S under lines N-S under lines N-S over lines, gain altitude N-S under lines N-S over lines, had to gain altitude, 2 approaches NE-SW over lines across water to mainland N-S 3 approaches to gain altitude, over lines N-S under lines N-S over lines had to gain altitude quickly at last min S-N over lines 4 approaches N-S under lines
	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow Great Black-backed Gull Double-crested Cormorant Bald Eagle Herring Gull Double-crested Cormorant American Robin	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Corvus brachyrhynchos Larus marinus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus  Larus marinus Phalacrocorax auritus  Haliaeetus leucocephalus  Larus argentatus Phalacrocorax auritus Turdus migratorius	3 1 1 1 1 15 23 5 1 2 1 2 1 2 1 24 1 2 1 1 2 1 30	minor trouble  S-N over lines, 4 approaches  S-N under lines  N-S under lines  Loitering on N side of causeway  Loitering on N side of causeway  S-N high over lines  S-N under lines  N-S under lines  S-N over lines, gain altitude  N-S under lines  N-S over lines, had to gain altitude, 2 approaches  NE-SW over lines across water to mainland  N-S 3 approaches to gain altitude, over lines  N-S under lines  N-S over lines had to gain altitude quickly at last min  S-N over lines 4 approaches  N-S under lines  E of causeway
00:00	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow Great Black-backed Gull Double-crested Cormorant Bald Eagle Herring Gull Double-crested Cormorant American Robin Double-crested Cormorant Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Corvus brachyrhynchos Larus marinus Phalacrocorax auritus Haliaeetus leucocephalus Larus argentatus Phalacrocorax auritus	3 1 1 1 1 15 23 5 1 2 1 2 1 2 1 24 1 2 1 1 30 7 2	minor trouble  S-N over lines, 4 approaches  S-N under lines  N-S under lines  Loitering on N side of causeway  Loitering on N side of causeway  S-N high over lines  S-N under lines  N-S under lines  S-N over lines, gain altitude  N-S under lines  N-S over lines, had to gain altitude, 2 approaches  NE-SW over lines across water to mainland  N-S 3 approaches to gain altitude, over lines  N-S under lines  N-S over lines had to gain altitude quickly at last min  S-N over lines 4 approaches  N-S under lines  E of causeway  S-N high over lines  S-N over lines, 1 stuttered, angled approach
00:00	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow Great Black-backed Gull Double-crested Cormorant Bald Eagle Herring Gull Double-crested Cormorant American Robin Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Corvus brachyrhynchos Larus marinus Phalacrocorax auritus Haliaeetus leucocephalus Larus argentatus Phalacrocorax auritus Turdus migratorius Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	3 1 1 1 1 15 23 5 1 2 1 2 1 2 1 2 1 1 2 1 2 1 2 1 2 2 1 2 2 2 2	minor trouble  S-N over lines, 4 approaches  S-N under lines  N-S under lines  Loitering on N side of causeway  Loitering on N side of causeway  S-N high over lines  S-N under lines  N-S under lines  N-S under lines  N-S under lines  N-S over lines, gain altitude  N-S over lines, had to gain altitude, 2 approaches  NE-SW over lines across water to mainland  N-S 3 approaches to gain altitude, over lines  N-S under lines  N-S over lines had to gain altitude quickly at last min  S-N over lines 4 approaches  N-S under lines  E of causeway  S-N high over lines  S-N over lines, 1 stuttered, angled approach  S-N under lines
00:00	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow Great Black-backed Gull Double-crested Cormorant Bald Eagle Herring Gull Double-crested Cormorant American Robin Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Larus marinus Corvus brachyrhynchos Larus marinus Phalacrocorax auritus Haliaeetus leucocephalus Larus argentatus Phalacrocorax auritus Turdus migratorius Phalacrocorax auritus	3 1 1 1 1 15 23 5 1 2 1 2 1 2 1 1 24 1 2 1 1 30 7 2 2 2 2	minor trouble  S-N over lines, 4 approaches  S-N under lines  N-S under lines  Loitering on N side of causeway  Loitering on N side of causeway  S-N high over lines  S-N under lines  N-S under lines  N-S under lines  S-N over lines, gain altitude  N-S over lines, had to gain altitude, 2 approaches  NE-SW over lines across water to mainland  N-S 3 approaches to gain altitude, over lines  N-S under lines  N-S over lines had to gain altitude quickly at last min  S-N over lines 4 approaches  N-S under lines  E of causeway  S-N high over lines  S-N over lines, 1 stuttered, angled approach  S-N under lines  S-N under lines  S-N under lines
00:00	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow Great Black-backed Gull Double-crested Cormorant Bald Eagle Herring Gull Double-crested Cormorant American Robin Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Corvus brachyrhynchos Larus marinus Phalacrocorax auritus Haliaeetus leucocephalus Larus argentatus Phalacrocorax auritus Turdus migratorius Phalacrocorax auritus	3 1 1 1 1 15 23 5 1 2 1 2 1 2 1 24 1 2 1 1 30 7 2 2 2 2 1	minor trouble  S-N over lines, 4 approaches  S-N under lines  N-S under lines  Loitering on N side of causeway  Loitering on N side of causeway  S-N high over lines  S-N under lines  N-S under lines  S-N over lines, gain altitude  N-S under lines  N-S over lines, had to gain altitude, 2 approaches  NE-SW over lines across water to mainland  N-S 3 approaches to gain altitude, over lines  N-S under lines  N-S under lines  N-S over lines 4 approaches  N-S under lines  E of causeway  S-N high over lines  S-N over lines, 1 stuttered, angled approach  S-N under lines
00:00	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow Great Black-backed Gull Double-crested Cormorant Bald Eagle Herring Gull Double-crested Cormorant American Robin Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Corvus brachyrhynchos Larus marinus Phalacrocorax auritus Haliaeetus leucocephalus Larus argentatus Phalacrocorax auritus Turdus migratorius Phalacrocorax auritus Larus argentatus	3 1 1 1 1 15 23 5 1 2 1 2 1 2 1 24 1 2 1 1 2 1 2 1 2 1 1 1 1	minor trouble  S-N over lines, 4 approaches  S-N under lines  N-S under lines  Loitering on N side of causeway  Loitering on N side of causeway  S-N high over lines  S-N under lines  N-S under lines  N-S under lines  N-S over lines, gain altitude  N-S over lines, had to gain altitude, 2 approaches  NE-SW over lines across water to mainland  N-S 3 approaches to gain altitude, over lines  N-S under lines  N-S under lines  N-S under lines  S-N over lines 4 approaches  N-S under lines  E of causeway  S-N high over lines  S-N over lines, 1 stuttered, angled approach  S-N under lines  S-N under lines, 2 approaches
	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow Great Black-backed Gull Double-crested Cormorant Bald Eagle Herring Gull Double-crested Cormorant American Robin Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Corvus brachyrhynchos Larus marinus Phalacrocorax auritus Haliaeetus leucocephalus Larus argentatus Phalacrocorax auritus Turdus migratorius Phalacrocorax auritus Larus argentatus Larus argentatus Larus argentatus Larus argentatus Larus argentatus	3 1 1 1 1 15 23 5 1 2 1 2 1 2 1 24 1 2 1 1 30 7 2 2 2 2 1 1 1 1 1 1 1 1	S-N over lines, 4 approaches S-N under lines N-S under lines Loitering on N side of causeway Loitering on N side of causeway S-N high over lines S-N under lines N-S under lines N-S under lines S-N over lines, gain altitude N-S under lines N-S over lines, had to gain altitude, 2 approaches NE-SW over lines across water to mainland N-S 3 approaches to gain altitude, over lines N-S under lines N-S under lines N-S under lines S-N over lines 4 approaches N-S under lines E of causeway S-N high over lines S-N over lines, 1 stuttered, angled approach S-N under lines S-N over lines, 2 approaches N-S under lines S-N over lines, 2 approaches N-S under lines
00:00 15:00 30:00	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow Great Black-backed Gull Double-crested Cormorant Bald Eagle Herring Gull Double-crested Cormorant American Robin Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Corvus brachyrhynchos Larus marinus Phalacrocorax auritus Haliaeetus leucocephalus Larus argentatus Phalacrocorax auritus Turdus migratorius Phalacrocorax auritus Larus argentatus	3 1 1 1 1 15 23 5 1 2 1 2 1 2 1 24 1 2 1 1 2 1 2 1 2 1 1 1 1	minor trouble  S-N over lines, 4 approaches  S-N under lines  N-S under lines  Loitering on N side of causeway  Loitering on N side of causeway  S-N high over lines  S-N under lines  N-S under lines  N-S under lines  N-S over lines, gain altitude  N-S over lines, had to gain altitude, 2 approaches  NE-SW over lines across water to mainland  N-S 3 approaches to gain altitude, over lines  N-S under lines  N-S under lines  N-S under lines  S-N over lines 4 approaches  N-S under lines  E of causeway  S-N high over lines  S-N over lines, 1 stuttered, angled approach  S-N under lines  S-N under lines, 2 approaches
00:00 15:00 30:00 <b>nd 20-25 k</b>	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow Great Black-backed Gull Double-crested Cormorant Bald Eagle Herring Gull Double-crested Cormorant American Robin Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Corvus brachyrhynchos Larus marinus Phalacrocorax auritus Haliaeetus leucocephalus Larus argentatus Phalacrocorax auritus Larus argentatus Larus argentatus Phalacrocorax auritus	3 1 1 1 1 15 23 5 1 2 1 2 1 2 1 2 1 1 2 1 2 1 2 1 1 2 1 1 1 1 2 2 1 1 2 2 1 1 2 1 1 2 2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 2 1 1 2 2 2 2 2 1 1 1 2	minor trouble  S-N over lines, 4 approaches  S-N under lines  N-S under lines  Loitering on N side of causeway  Loitering on N side of causeway  S-N high over lines  S-N under lines  N-S under lines  N-S under lines  N-S over lines, gain altitude  N-S under lines  N-S over lines across water to mainland  N-S 3 approaches to gain altitude, over lines  N-S under lines  N-S under lines  N-S under lines  N-S over lines had to gain altitude quickly at last min  S-N over lines 4 approaches  N-S under lines  E of causeway  S-N high over lines  S-N over lines, 1 stuttered, angled approach  S-N under lines  S-N under lines  S-N under lines  S-N under lines  S-N under lines, 2 approaches  N-S under lines  S-N over lines, 2 approaches  N-S under lines  S-N under lines  S-N under lines
00:00 15:00 30:00 and 20-25 kg	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow Great Black-backed Gull Double-crested Cormorant Bald Eagle Herring Gull Double-crested Cormorant American Robin Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Larus marinus Corvus brachyrhynchos Larus marinus Phalacrocorax auritus Haliaeetus leucocephalus Larus argentatus Phalacrocorax auritus Turdus migratorius Phalacrocorax auritus	3 1 1 1 1 15 23 5 1 2 1 2 1 2 1 24 1 2 1 1 30 7 2 2 2 2 1 1 1 1 1 1 1 1	minor trouble  S-N over lines, 4 approaches  S-N under lines  N-S under lines  Loitering on N side of causeway  Loitering on N side of causeway  S-N high over lines  S-N under lines  N-S under lines  N-S under lines  N-S over lines, gain altitude  N-S over lines, had to gain altitude, 2 approaches  NE-SW over lines across water to mainland  N-S 3 approaches to gain altitude, over lines  N-S under lines  N-S over lines had to gain altitude quickly at last min  S-N over lines 4 approaches  N-S under lines  E of causeway  S-N high over lines  S-N over lines, 1 stuttered, angled approach  S-N under lines  S-N under lines  S-N under lines  S-N under lines, through ship canal  S-N over lines, 2 approaches  N-S under lines  S-N under lines  S-N under lines  S-N under lines  S-N under lines
00:00 15:00 30:00	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow Great Black-backed Gull Double-crested Cormorant Bald Eagle Herring Gull Double-crested Cormorant American Robin Double-crested Cormorant Bouble-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Larus marinus Corvus brachyrhynchos Larus marinus Phalacrocorax auritus Haliaeetus leucocephalus Larus argentatus Phalacrocorax auritus	3 1 1 1 1 15 23 5 1 2 1 2 1 2 1 2 1 1 2 1 1 2 1 1 1 1 1	minor trouble  S-N over lines, 4 approaches  S-N under lines  N-S under lines  Loitering on N side of causeway  Loitering on N side of causeway  S-N high over lines  S-N under lines  N-S under lines  N-S under lines  N-S over lines, gain altitude  N-S over lines, had to gain altitude, 2 approaches  NE-SW over lines across water to mainland  N-S 3 approaches to gain altitude, over lines  N-S under lines  N-S over lines had to gain altitude quickly at last min  S-N over lines 4 approaches  N-S under lines  E of causeway  S-N high over lines  S-N over lines, 1 stuttered, angled approach  S-N under lines  S-N under lines, through ship canal  S-N over lines, 2 approaches  N-S under lines  S-N under lines  S-N under lines  S-N under lines  S-N under lines
00:00	Herring Gull Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull American Crow Great Black-backed Gull Double-crested Cormorant Bald Eagle Herring Gull Double-crested Cormorant American Robin Double-crested Cormorant	Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Phalacrocorax auritus Larus marinus Corvus brachyrhynchos Larus marinus Phalacrocorax auritus Haliaeetus leucocephalus Larus argentatus Phalacrocorax auritus Turdus migratorius Phalacrocorax auritus	3 1 1 1 1 15 23 5 1 2 1 2 1 2 1 2 1 1 2 1 1 2 1 1 1 1 1	minor trouble  S-N over lines, 4 approaches  S-N under lines  N-S under lines  Loitering on N side of causeway  Loitering on N side of causeway  S-N high over lines  S-N under lines  N-S under lines  N-S under lines  N-S over lines, gain altitude  N-S over lines, had to gain altitude, 2 approaches  NE-SW over lines across water to mainland  N-S 3 approaches to gain altitude, over lines  N-S under lines  N-S over lines had to gain altitude quickly at last min  S-N over lines 4 approaches  N-S under lines  E of causeway  S-N high over lines  S-N over lines, 1 stuttered, angled approach  S-N under lines  S-N under lines  S-N under lines  S-N under lines, through ship canal  S-N over lines, 2 approaches  N-S under lines  S-N under lines  S-N under lines  S-N under lines  S-N under lines

Data	October 15, 2014
Date	October 15, 2014

Time of Day	Common Name	Scientific Name	No of Individua	als Species Behaviour
08:30:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Herring Gull	Larus argentatus	1	S-N over lines, 2 approaches
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	Over lines, 1 made 2 approaches
	American Robin	Turdus migratorius	40	E of causeway
	Herring Gull	Larus argentatus	1	S-N over lines, 3 approaches
Wind 30-40 k	m/hr			
08:30:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
09:15:00	Herring Gull	Larus argentatus	1	N-S under lines
09:30:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Great Black-backed Gull	Larus marinus	20	Loitering around causeway
	Herring Gull	Larus argentatus	40	Loitering around causeway
09:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
10:00:00	Great Black-backed Gull	Larus marinus	1	N-S over lines
	Bald Eagle	Haliaeetus leucocephalus	1	N-S sailing over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
10:15:00	Gulls	#N/A	30	Sailing under lines over causeway
Wind 40-50 k	m/hr	•	•	,
10:15:00	American Crow	Corvus brachyrhynchos		Loitering
10:30:00	Herring Gull	Larus argentatus	1	S-N over lines
10:45:00	Herring Gull	Larus argentatus	1	Gliding with lines, gains altitude the over N-S
	Herring Gull	Larus argentatus	1	S-N over lines
Afternoon Su	rvey: Wind 30-40 km/hr NW, Partl			12 2 2 2
02:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off wires
	Herring Gull	Larus argentatus	60	N side of Causeway
	Great Black-backed Gull	Larus marinus	40	N side of Causeway
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
03:00:00	Herring Gull	Larus argentatus	1 1	N-S turn into wind, gained altitude, sailed over
-5.55.55	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
03:15:00	Herring Gull	Larus argentatus	1	N-S over lines, came close to wires trying to sail over
55.15.00	Bald Eagle	Haliaeetus leucocephalus	1	S-N high over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
03:30:00	Great Black-backed Gull	Larus marinus	1 1	S-N over lines
03:45:00	Gulls	#N/A	100	
03:45:00			7	Still along causeway
	Great Black-backed Gull	Larus marinus	1	S-N under lines N-S over lines
	Bald Eagle	Haliaeetus leucocephalus	<u> </u>	
	Herring Gull	Larus argentatus	1	Turn into wind, shuffle along causeway, gained altitude,
				over lines after a minute  Turn into wind, shuffle along causeway, gain altitude,
	Great Black-backed Gull	Larus marinus	2	
	Davida anatad Camaranat	Dhalassassassitus		over lines N-S
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Great Black-backed Gull	Larus marinus	1	N-S under lines
24.7.2.2	Double-crested Cormorant	Phalacrocorax auritus	1 1	N-S under lines
04:15:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Surf Scoter	Melanitta perspicillata	3	N of causeway
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Herring Gull	Larus argentatus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under over lines had to gain altitude
04:30:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S, turn into wind, flew forward gained altitude then
	Double-crested Commorant		'	over lines
	Bald Eagle	Haliaeetus leucocephalus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Herring Gull	Larus argentatus	4	Over lines, both turned into wind, gained altitude
04:45:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Great Black-backed Gull	Larus marinus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	21	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	12	N-S turn into wind, 7 over lines, 5 under lines, 3 with
				troubles
	Double-crested Cormorant	Phalacrocorax auritus	7	N-S under lines
	Gulls	#N/A	100	Still loitering on N side of causeway
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
05:00:00	Herring Gull	Larus argentatus	1	N-S over lines, turn into wind, gained altitude
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Great Black-backed Gull	Larus marinus	1	N-S turn into wind, gain altitude, shuffled parallel, over
			'	lines
	ID 11 10 10 10	Dhalaaraaaray ayritya	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S turn into wind, gain altitude, 2 approaches over lines
				N-S turn into wind, gain altitude, 2 approaches over lines N-S under lines
05:15:00	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	2	N-S turn into wind, gain altitude, 2 approaches over lines  N-S under lines  N-S turn into wind, 3 approaches, between lines with
05:15:00	Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	2 5	N-S turn into wind, gain altitude, 2 approaches over lines  N-S under lines  N-S turn into wind, 3 approaches, between lines with trouble
05:15:00	Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	2 5 1	N-S turn into wind, gain altitude, 2 approaches over lines  N-S under lines  N-S turn into wind, 3 approaches, between lines with trouble  N-S high over lines
05:15:00	Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus	2 5	N-S turn into wind, gain altitude, 2 approaches over lines  N-S under lines  N-S turn into wind, 3 approaches, between lines with trouble  N-S high over lines  N-S under lines
05:15:00	Double-crested Cormorant	Phalacrocorax auritus	2 5 1	N-S turn into wind, gain altitude, 2 approaches over lines  N-S under lines  N-S turn into wind, 3 approaches, between lines with trouble  N-S high over lines  N-S under lines  N-S under lines
05:15:00	Double-crested Cormorant	Phalacrocorax auritus	2 5 1 1 3 1 1	N-S turn into wind, gain altitude, 2 approaches over lines  N-S under lines  N-S turn into wind, 3 approaches, between lines with trouble  N-S high over lines  N-S under lines  N-S under lines  N-S over lines
05:15:00	Double-crested Cormorant	Phalacrocorax auritus	2 5 1 1 3 1 1 1	N-S turn into wind, gain altitude, 2 approaches over lines  N-S under lines  N-S turn into wind, 3 approaches, between lines with trouble  N-S high over lines  N-S under lines  N-S under lines  N-S over lines  N-S over lines  N-S
05:15:00	Double-crested Cormorant	Phalacrocorax auritus	2 5 1 1 3 1 1	N-S turn into wind, gain altitude, 2 approaches over lines  N-S under lines  N-S turn into wind, 3 approaches, between lines with trouble  N-S high over lines  N-S under lines  N-S under lines  N-S over lines
05:15:00	Double-crested Cormorant  Bald Eagle	Phalacrocorax auritus  Haliaeetus leucocephalus	2 5 1 1 3 1 1 1	N-S turn into wind, gain altitude, 2 approaches over lines  N-S under lines  N-S turn into wind, 3 approaches, between lines with trouble  N-S high over lines  N-S under lines  N-S under lines  N-S over lines  N-S over lines  N-S
05:15:00	Double-crested Cormorant  Bald Eagle  Double-crested Cormorant	Phalacrocorax auritus  Haliaeetus leucocephalus  Phalacrocorax auritus	2 5 1 1 3 1 1 1 1 2	N-S turn into wind, gain altitude, 2 approaches over lines  N-S under lines  N-S turn into wind, 3 approaches, between lines with trouble  N-S high over lines  N-S under lines  N-S under lines  N-S over lines  N-S over lines  N-S under lines
05:15:00	Double-crested Cormorant  Bald Eagle  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Haliaeetus leucocephalus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus	2 5 1 1 3 1 1 1 1 2	N-S turn into wind, gain altitude, 2 approaches over lines  N-S under lines  N-S turn into wind, 3 approaches, between lines with trouble  N-S high over lines  N-S under lines  N-S over lines  N-S over lines  N-S under lines
05:15:00	Double-crested Cormorant  Bald Eagle  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Haliaeetus leucocephalus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus  Phalacrocorax auritus	2 5 1 1 3 1 1 1 2 3 2	N-S turn into wind, gain altitude, 2 approaches over lines  N-S under lines  N-S turn into wind, 3 approaches, between lines with trouble  N-S high over lines  N-S under lines  N-S over lines  N-S over lines  N-S under lines

Date October 15, 2014

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
05:15:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines, dropped altitude at last second, close
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines, had to gain altitude at last second, close
05:30:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S turn into wind, gain altitude, over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S backed off wires, under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Gulls	#N/A		Mostly left causeway
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S turn into wind, under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
05:45:00	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S turn into wind, gain altitude, over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S turn into wind, gain altitude, 2 approaches over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
06:00:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	11	N-S high over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Great Black-backed Gull	Larus marinus	1	Almost blown back into wires
	Great Black-backed Gull	Larus marinus	1	N-S under lines, had to drop quick to avoid wires
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Great Black-backed Gull	Larus marinus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
06:15:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Great Black-backed Gull	Larus marinus	3	S-N under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
06:30:00	Gulls	-	40	Loitering on causeway
-	Double-crested Cormorant	Phalacrocorax auritus	4	S-N had to gain altitude, over lines
	Double-crested Cormorant	Phalacrocorax auritus	15	,

Species	Number of Individuals Observed
American Crow	24
American Robin	70
Bald Eagle	8
Common Merganser	3
Common Raven	2
Double-crested Cormorant	650
Great Black-backed Gull	102
Gulls	270
Hairy Woodpecker	1
Herring Gull	159
Surf Scoter	3

Date October 16, 2014

Time of Day	Common Name 15-20 km/h SE, Overcast	Scientific Name	No of Individual	s Species Behaviour
07:00:00	Herring Gull	Larus argentatus	4	N-S over lines
	Herring Gull	Larus argentatus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Herring Gull	Larus argentatus	1	S-N over lines first set, under lines next, some trouble
	Herring Gull	Larus argentatus	2	N-S over lines, gained altitude
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Herring Gull	Larus argentatus	1	S-N over lines, had to gain altitude
	Great Black-backed Gull	Larus marinus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Great Blue Heron	Ardea herodias	1	N side of causeway
07:15:00	Great Black-backed Gull	Larus marinus	2	N-S under lines
	Herring Gull	Larus argentatus	1	S-N over lines, had some trouble
	Double-crested Cormorant	Phalacrocorax auritus	12	S-N under lines S-N most between lines, with trouble. One struck wires,
	Double-crested Cormorant	Phalacrocorax auritus	13	couldnt fly or dive. Very hurt, was unconcious when it hit water halfway between 2 towers.
	Double-crested Cormorant	Phalacrocorax auritus	6	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	9	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	7	N-S, 6 between lines, had to drop altitude
	Double-crested Cormorant	Phalacrocorax auritus	90	Too fast to count, some between, over and under, many had troubles. Some over first set then under.
07:30:00	Double-crested Cormorant	Phalacrocorax auritus	9	S-N high over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines through ship canal
	Double-crested Cormorant	Phalacrocorax auritus	1	Between lines with minor trouble
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2 40	S-N under lines S-N high over lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus	40	S-N nign over lines S-N under lines
	American Black duck	Phalacrocorax auritus  Anas rubripes	1	S-N high over lines
	Great Black-backed Gull	Larus marinus	•	N-S between lines, 2 approaches, cautious, minor trouble
	Double-crested Cormorant	Phalacrocorax auritus		N-S under lines
	Great Black-backed Gull	Larus marinus		N-S between lines
07:45:00	Gulls	#N/A	40	
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Herring Gull Double-crested Cormorant	Larus argentatus Phalacrocorax auritus	1 2	S-N over lines S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	3	N-S under lines
08:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
00.00.00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Herring Gull	Larus argentatus	1	S-N over lines, had to gain altitude
08:15:00	Double-crested Cormorant	Phalacrocorax auritus	20	S-N over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N high over lines
	Great Black-backed Gull	Larus marinus	1	N-S over lines had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
08:30:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	American Goldfinch	Spinus tristis		Heard over head
	Herring Gull	Larus argentatus	2	S-N high over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Herring Gull Double-crested Cormorant	Larus argentatus Phalacrocorax auritus	1	S-N over lines, had to gain altitude N-S under lines
	Great Black-backed Gull	Larus marinus	1	N-S over lines
	Herring Gull	Larus argentatus	6	S-N over lines
08:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
-	Surf Scoter	Melanitta perspicillata	3	S-N over lines
09:00:00	Herring Gull	Larus argentatus	1	S-N high over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N high over lines
	Herring Gull	Larus argentatus	1	N-S over lines, had to gain altitude
	American pipit	Anthus rubescens	2	N-S over lines
00.45.05	Great Black-backed Gull	Larus marinus	1	S-N over lines
09:15:00	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under linese
00.20.00	American Robin	Turdus migratorius	40	E of causeway, attempting to cross water
09:30:00	Double-crested Cormorant	Phalacrocorax auritus	2 2	S-N under lines
	Common Raven  Double-crested Cormorant	Corvus corax Phalacrocorax auritus	1	Near causeway S-N over lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	1	S-N under lines S-N under linese through ship canal
09:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Herring Gull	Larus argentatus	1	S-N under linese
	Great Black-backed Gull	Larus marinus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off, 3 approaches
10:00:00	Great Black-backed Gull	Larus marinus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Great Black-backed Gull	Larus marinus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
10.17.5	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
10:15:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	American Crow	Corvus brachyrhynchos	1 .	S-N over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines

Date October 16, 2014

10:30:00	Common Name	Scientific Name	No of Individua	als Species Behaviour
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	American Black duck	Anas rubripes	1	S-N over lines, had to gain altitude
	Great Black-backed Gull	Larus marinus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
10:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Herring Gull	Larus argentatus	1	N-S over lines
Afternoon Sur	rvey: Wind 20-30 km/hr SE, Cloud			•
)2:45:00	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Great Black-backed Gull	Larus marinus	1	N-S under linese
	Gulls	#N/A	30	N side of causeway
3:00:00	Double-crested Cormorant	Phalacrocorax auritus	3	In water
3:15:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
00.00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
3:30:00	Bald Eagle	Haliaeetus leucocephalus	1	S-N over lines
3:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
0.40.00	Double-crested Cormorant	Phalacrocorax auritus	9	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
4:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines
4.00.00			2	
	Double-crested Cormorant	Phalacrocorax auritus		N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
4:15:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
4:30:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Great Black-backed Gull	Larus marinus	1	S-N 2 approaches, between lines, minor troubles
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
4:45:00	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
1. 10.00	Great Black-backed Gull	Larus marinus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines, dropped altitude then gained
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
F-00-00	Double-crested Cormorant	Phalacrocorax auritus	7	N-S under lines
5:00:00	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	7	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off wires
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under linese
	Great Black-backed Gull	Larus marinus	1	N-S under lines, just over causeway
	Double-crested Cormorant	Phalacrocorax auritus	1	Under lines
				N-S, 22 gained altitude over lines, 1 dropped altitude
	Double-crested Cormorant	Phalacrocorax auritus	25	under lines, 2 backed off the over lines with 2
				approaches
	Double-crested Cormorant	Phalacrocorax auritus	4	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
5:15:00	Great Black-backed Gull	I am sa maa mina sa	4	Juvenile, S-N, hit wing on wires while going between
	Great black-backed Guil	Larus marinus	' '	lines. Not hurt, kept flying, but slowly
	Double-crested Cormorant	Phalacrocorax auritus		
	D 11 1 10 1		5	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	5 3	N-S under lines N-S under lines
	Double-crested Cormorant  Double-crested Cormorant			
		Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	3	N-S under lines N-S between lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	3 1 5	N-S under lines N-S between lines N-S under lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus	3 1 5 2	N-S under lines N-S between lines N-S under lines N-S under lines N-S gained altitude, over lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	3 1 5 2	N-S under lines N-S between lines N-S under lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Larus marinus	3 1 5 2 1	N-S under lines N-S between lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Larus marinus Phalacrocorax auritus	3 1 5 2 1 1	N-S under lines N-S between lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	3 1 5 2 1 1 6 5	N-S under lines N-S between lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	3 1 5 2 1 1 6 5 8	N-S under lines N-S between lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus marinus	3 1 5 2 1 1 6 5	N-S under lines N-S between lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines S-N under lines S-N under lines
E-20-00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus  Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus	3 1 5 2 1 1 6 5 8 1	N-S under lines N-S between lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines S-N under lines N-S under lines N-S under lines N-S under lines N-S under lines
5:30:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	3 1 5 2 1 1 6 5 8 1 1	N-S under lines N-S between lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines S-N under lines N-S under lines
5:30:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	3 1 5 2 1 1 6 5 8 1 1 2 5	N-S under lines N-S between lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines S-N under lines N-S under lines
5:30:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus  Larus marinus Phalacrocorax auritus	3 1 5 2 1 1 6 5 8 1 1 2 5 3	N-S under lines N-S between lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines S-N under lines N-S under lines
5:30:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Bald Eagle	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus  Larus marinus Phalacrocorax auritus	3 1 5 2 1 1 6 5 8 1 1 2 5 3	N-S under lines N-S between lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines S-N under lines N-S over lines N-S over lines
5:30:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Bald Eagle Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus  Larus marinus Phalacrocorax auritus	3 1 5 2 1 1 1 6 5 8 1 1 1 2 5 3 1 6	N-S under lines N-S between lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines S-N under lines N-S under lines
5:30:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Bald Eagle Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus  Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus	3 1 5 2 1 1 1 6 5 8 1 1 2 5 3 1 6 3	N-S under lines N-S between lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines S-N under lines N-S under lines
5:30:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Bald Eagle Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus  Larus marinus Phalacrocorax auritus	3 1 5 2 1 1 1 6 5 8 1 1 2 5 3 1 6 3 7	N-S under lines N-S between lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines S-N under lines N-S under lines
5:30:00	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Bald Eagle Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus  Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus	3 1 5 2 1 1 1 6 5 8 1 1 2 5 3 1 6 3	N-S under lines N-S between lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines S-N under lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Bald Eagle Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus  Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus	3 1 5 2 1 1 1 6 5 8 1 1 2 5 3 1 6 3 7	N-S under lines N-S between lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines N-S under lines S-N under lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus  Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus	3 1 5 2 1 1 1 6 5 8 1 1 2 5 3 1 6 3 7	N-S under lines N-S between lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bald Eagle Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus  Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus	3 1 5 2 1 1 1 6 5 8 1 1 1 2 5 3 1 6 3 7 5 6 6 5	N-S under lines N-S under lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines S-N under lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bald Eagle Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Larus marinus Phalacrocorax auritus	3 1 5 2 1 1 1 6 5 8 1 1 2 5 3 1 6 3 7 5	N-S under lines N-S between lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines S-N under lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Bald Eagle Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus  Larus marinus Phalacrocorax auritus Larus marinus	3 1 5 2 1 1 1 6 5 8 1 1 1 2 5 3 1 6 3 7 5 60 5	N-S under lines N-S under lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines S-N under lines N-S over lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus  Larus marinus Phalacrocorax auritus	3 1 5 2 1 1 1 6 5 8 1 1 1 2 5 3 1 6 3 7 5 60 5 4 1	N-S under lines N-S under lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines S-N under lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus  Larus marinus Phalacrocorax auritus	3 1 5 2 1 1 1 6 5 8 1 1 1 2 5 3 1 6 3 7 5 60 5 4 1 6	N-S under lines N-S under lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines S-N under lines N-S under lines
	Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus  Larus marinus Phalacrocorax auritus	3 1 5 2 1 1 1 6 5 8 1 1 1 2 5 3 1 6 3 7 5 6 6 5 4 1 1 6 5	N-S under lines N-S under lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines S-N under lines N-S under lines
5:45:00	Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus  Larus marinus Phalacrocorax auritus	3 1 5 2 1 1 1 6 5 8 1 1 1 2 5 3 1 6 3 7 5 60 5 4 1 6 5 4 1 1 6 5 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6	N-S under lines N-S under lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines
5:45:00	Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Larus marinus Phalacrocorax auritus	3 1 5 2 1 1 1 6 5 8 1 1 1 2 5 3 1 6 3 7 5 60 5 4 1 6 50 100 3 49	N-S under lines N-S under lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines N-S under lines N-S under lines S-N under lines N-S under lines
5:30:00 5:45:00	Double-crested Cormorant Double-crested Cormorant Herring Gull Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus  Larus marinus Phalacrocorax auritus	3 1 5 2 1 1 1 6 5 8 1 1 1 2 5 3 1 6 3 7 5 60 5 4 1 6 5 4 1 1 6 5 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6	N-S under lines N-S under lines N-S under lines N-S under lines N-S gained altitude, over lines S-N gained altitude at last second, barely made it over lines N-S under lines

Date October 16, 2014

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
06:00:00	Great Black-backed Gull	Larus marinus	1	S-N over lines, struggle to gain altitude at last second
	Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	130	N-S under lines, several had to make adjustments
	Double-crested Cormorant	Phalacrocorax auritus	14	N-S under lines
	Herring Gull	Larus argentatus	1	S-N over lines first set, between lines second, close call
	Double-crested Cormorant	Phalacrocorax auritus	29	N-S flying at wires, between and under lines, a few close calls
	Double-crested Cormorant	Phalacrocorax auritus	60	N-S over lines, 2 between lines with adjustments
	Herring Gull	Larus argentatus	1	S-N between lines, had trouble
	Great Black-backed Gull	Larus marinus	1	S-N over lines, 2 approaches
06:15:00	Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S high over lines
	Double-crested Cormorant	Phalacrocorax auritus	5	N-S all backed off, 2nd approach, 2 under, 4 over lines
	Herring Gull	Larus argentatus	6	N-S over lines, had to gain altitdue
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
06:30:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Great Black-backed Gull	Larus marinus	1	S-N over lines

Species	Number of Individuals Observed
American Black duck	2
American Crow	1
American pipit	2
American Robin	40
Bald Eagle	2
Common Raven	2
Double-crested Cormorant	993
Great Black-backed Gull	23
Great Blue Heron	1
Gulls	70
Herring Gull	36
Surf Scoter	3

Date October 25, 2014

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
Time of Day		Scientific Name	No of individuals	Species Benaviour
07:00:00	2-25 km/h NW, Overcast and foggy American Crow	Corvus brachyrhynchos	5	Loitering near causeway
07.00.00	Great Black-backed Gull	Larus marinus	3	Loitering near causeway
07:15:00	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	5	S-N under lines
07:30:00	Double-crested Cormorant	Phalacrocorax auritus	3	S-N under lines
	Great Black-backed Gull	Larus marinus	7	Loitering near causeway
	Herring Gull	Larus argentatus	6	Loitering near causeway
	Iceland Gull	Larus glaucoides	1	Loitering near causeway
	Double-crested Cormorant	Phalacrocorax auritus	15	S-N under lines
	Common Merganser	Mergus merganser	1 1	S-N over lines, had to gain altitude
	Great Black-backed Gull	Larus marinus	1	N-S over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	33	S-N under lines, just over road during traffic break S-N under lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus	21	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N, 30 under lines, 20 backed off. All flying low over
	Double-crested Cormorant	Phalacrocorax auritus	50	causeway. 20 got scared by truck and turned around
	Double-crested Cormorant	Phalacrocorax auritus	70	S-N under lines, 20 from last group
	Herring Gull	Larus argentatus	1	S-N over lines, had to gain altitude
07:45:00	Double-crested Cormorant	Phalacrocorax auritus	5	S-N under lines
10.00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	American Crow	Corvus brachyrhynchos	6	Patroling causeway
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Great Black-backed Gull	Larus marinus	1	N-S under lines
	Common Eider	Somateria mollissima	4	N-S over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	13	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines first set, under lines second
	Common Raven	Corvus corax	1	Patroling causeway
	Bald Eagle	Haliaeetus leucocephalus	1	Patroling causeway
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Herring Gull	Larus argentatus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
8:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	4	S-N under lines
	Great Black-backed Gull	Larus marinus	1 1	N-S over lines, had to gain altitude
	Common Eider	Somateria mollissima	75	Well N of causeway
20.45.00	Double-crested Cormorant	Phalacrocorax auritus	9	S-N under lines
08:15:00	Great Black-backed Gull	Larus marinus	2	N-S over lines, had to gain altitude
	Great Black-backed Gull Great Black-backed Gull	Larus marinus	1 1	N-S over lines, had to gain altitude N-S under lines
	Bald Eagle	Larus marinus Haliaeetus leucocephalus	1 1	N-S over lines, had to gain altitude
	American Crow	Corvus brachyrhynchos	30	E of causeway
08:30:00	Great Black-backed Gull	Larus marinus	3	N-S under lines
00.00.00	Double-crested Cormorant	Phalacrocorax auritus	1 1	N-S under lines
	Great Black-backed Gull	Larus marinus	1 1	N-S under lines, dropped altitude at last second
	White-winged Scoter	Melanitta fusca	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Bald Eagle	Haliaeetus leucocephalus	1	Patrolling N side of causeway
Fog, light drizz	le, wind 25-30 km/hr N			
9:00:00	Bald Eagle	Haliaeetus leucocephalus	1	Eating gull S of causeway
	Great Black-backed Gull	Larus marinus	1	S-N under lines
	Great Black-backed Gull	Larus marinus	2	Patrolling causeway
	Pigeon	#N/A	12	Around causeway
	Herring Gull	Larus argentatus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1 1	S-N under lines
	Great Black-backed Gull	Larus marinus	1 1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1 1	N-S under lines
9:15:00	Common Eider	Somateria mollissima	10	N-S under lines, some barely made it
	Great Black-backed Gull	Larus marinus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
00.20.00	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
9:30:00	Great Black-backed Gull	Larus marinus	1 1	N-S high over lines S-N over first set, under second set
	Double-crested Cormorant Herring Gull	Phalacrocorax auritus Larus argentatus	1 1	S-N over lines
	Herring Gull Herring Gull	Larus argentatus Larus argentatus	1 1	N-S under lines
	American Crow	Corvus brachyrhynchos	1	S-N over first set under second set
	Double-crested Cormorant	Phalacrocorax auritus	1 1	S-N under lines
9:45:00	Herring Gull	Larus argentatus	1 1	N-S under lines
	Great Black-backed Gull	Larus marinus	1	N-S over lines
	Surf Scoter	Melanitta perspicillata	3	N-S under lines
	Common Raven	Corvus corax	2	Patrolling causeway
10:00:00	Great Black-backed Gull	Larus marinus		N-S over lines
				3 under lines, 2 between lines, 1 backed off wires. 2
	Common Merganser	Mergus merganser	6	between and 1 under lines close to wires
	Common Merganser	Mergus merganser	1	S-N over lines east land route
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N over lines
	Great Black-backed Gull	Larus marinus	1	N-S over lines, flew parallel to lines
	American Crow	Corvus brachyrhynchos	2	N-S over lines
	Common Raven	Corvus corax	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines

Date October 25, 2014

	Common Name	Scientific Name	No of Individuals	Species Behaviour
Time of Day 10:30:00	Great Black-backed Gull	Scientific Name Larus marinus	No of individuals	S-N under lines
10.30.00	Long-tailed Duck	Clangula hyemalis	4	N-S over lines, had to gain altitude
	White-winged Scoter	Melanitta fusca	1	N-S over lines, had to gain altitude
10:30:00	Surf Scoter	Melanitta perspicillata	3	S-N over lines
	Northern Gannet	Morus bassanus	1	Well N of causeway
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
10:45:00	Great Black-backed Gull	Larus marinus	1	Loitering near causeway, lame leg
	Herring Gull	Larus argentatus	1	Foot almost fallen off, loitering around causeway
	Herring Gull	Larus argentatus	1	N-S over lines
	vey: Light rain, wind 30-40 km/hr NV		T .	I
02:45:00	Wilson's Storm-Petrel	Oceanites oceanicus	2	Just N of causeway
22.22.22	Great Black-backed Gull	Larus marinus	1	Juvenile loitering near causeway
03:00:00	Great Black-backed Gull	Larus marinus	1	S-N over lines had to gain altitude
	Great Black-backed Gull	Larus marinus	3	N-S over lines
00.45.00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
03:15:00	Great Black-backed Gull	Larus marinus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N uner lines
	Bald Eagle	Haliaeetus leucocephalus	1	Hovering over storm petrels N of causeway
00-00-00	Wilson's Storm-Petrel	Oceanites oceanicus	7	North of causeway, being chased by eagle
03:30:00	Great Black-backed Gull	Larus marinus	1	N-S over lines
	Wilson's Storm-Petrel	Oceanites oceanicus		Still present
03:45:00	Northern Gannet	Morus bassanus	1	Just N of causeway
04:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S, parallel with lines then over
04:45.00	Double-crested Cormorant	Phalacrocorax auritus	20	N-S high over lines
04:15:00 04:30:00	Great Black-backed Gull	Larus marinus	3	N-S high over lines
04:30:00	Herring Gull	Larus argentatus	2	S-N over lines
	Herring Gull	Larus argentatus	1	S-N under lines
	Great Black-backed Gull	Larus marinus	20	Loitering near causeway
	Herring Gull	Larus argentatus	10	Loitering near causeway
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	1	N-S stopped at last second, close call
04:45:00	Great Black-backed Gull	Larus marinus	1	N-S under lines
0 1. 10.00	Great Blue Heron	Ardea herodias	1	E of causeway
	Great Dide Heron	Ardea ricrodias		L of causeway
	Herring Gull	Larus argentatus	1	N-S over lines, had to gain altitude
	Herring Gull Great Black-backed Gull	Larus argentatus	1 2	N-S over lines, had to gain altitude
	Great Black-backed Gull	Larus marinus	2	N-S under lines
	Great Black-backed Gull Double-crested Cormorant	Larus marinus Phalacrocorax auritus	2 2	N-S under lines N-S over lines, had to gain altitude
05:00:00	Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull	Larus marinus Phalacrocorax auritus Larus marinus	2 2 1	N-S under lines N-S over lines, had to gain altitude S-N under lines through ship canal
05:00:00	Great Black-backed Gull Double-crested Cormorant	Larus marinus Phalacrocorax auritus	2 2 1 2	N-S under lines N-S over lines, had to gain altitude
05:00:00	Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant	Larus marinus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus	2 2 1	N-S under lines N-S over lines, had to gain altitude S-N under lines through ship canal N-S under lines
05:00:00	Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant	Larus marinus Phalacrocorax auritus Larus marinus Phalacrocorax auritus	2 2 1 2 2	N-S under lines N-S over lines, had to gain altitude S-N under lines through ship canal N-S under lines N-S under lines S-N over lines
05:00:00	Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Herring Gull	Larus marinus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus	2 2 1 2 2 2	N-S under lines N-S over lines, had to gain altitude S-N under lines through ship canal N-S under lines N-S under lines
	Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Common Eider	Larus marinus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Somateria mollissima	2 2 1 2 2 2 1 45	N-S under lines N-S over lines, had to gain altitude S-N under lines through ship canal N-S under lines N-S under lines S-N over lines N-S high over lines
05:00:00 05:15:00	Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Common Eider Long-tailed Duck	Larus marinus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Somateria mollissima Clangula hyemalis	2 2 1 2 2 2 1 45 9	N-S under lines N-S over lines, had to gain altitude S-N under lines through ship canal N-S under lines N-S under lines S-N over lines N-S high over lines N-S over lines, had to gain altitude
	Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Common Eider Long-tailed Duck Double-crested Cormorant	Larus marinus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Somateria mollissima Clangula hyemalis Phalacrocorax auritus	2 2 1 2 2 2 1 45 9	N-S under lines N-S over lines, had to gain altitude S-N under lines through ship canal N-S under lines N-S under lines S-N over lines N-S high over lines N-S over lines, had to gain altitude N-S under lines
	Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Common Eider Long-tailed Duck Double-crested Cormorant Double-crested Cormorant	Larus marinus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Somateria mollissima Clangula hyemalis Phalacrocorax auritus Phalacrocorax auritus	2 2 1 2 2 2 1 45 9 4	N-S under lines N-S over lines, had to gain altitude S-N under lines through ship canal N-S under lines N-S under lines S-N over lines N-S high over lines N-S over lines, had to gain altitude N-S under lines N-S under lines
	Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Common Eider Long-tailed Duck Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Larus marinus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Somateria mollissima Clangula hyemalis Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	2 2 1 2 2 2 1 45 9 4 11 23	N-S under lines N-S over lines, had to gain altitude S-N under lines through ship canal N-S under lines N-S under lines S-N over lines N-S high over lines N-S over lines, had to gain altitude N-S under lines
	Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Common Eider Long-tailed Duck Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Larus marinus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Somateria mollissima Clangula hyemalis Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	2 2 1 2 2 2 1 45 9 4 11 23 2	N-S under lines N-S over lines, had to gain altitude S-N under lines through ship canal N-S under lines N-S under lines S-N over lines N-S high over lines N-S over lines, had to gain altitude N-S under lines
	Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Common Eider Long-tailed Duck Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant	Larus marinus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Somateria mollissima Clangula hyemalis Phalacrocorax auritus	2 2 1 2 2 2 1 45 9 4 11 23 2 6	N-S under lines N-S over lines, had to gain altitude S-N under lines through ship canal N-S under lines N-S under lines S-N over lines N-S high over lines N-S over lines, had to gain altitude N-S under lines
	Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Common Eider Long-tailed Duck Double-crested Cormorant	Larus marinus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Somateria mollissima Clangula hyemalis Phalacrocorax auritus Larus marinus	2 2 1 2 2 2 1 45 9 4 11 23 2 6	N-S under lines N-S over lines, had to gain altitude S-N under lines through ship canal N-S under lines N-S under lines S-N over lines N-S high over lines N-S over lines, had to gain altitude N-S under lines N-S over lines, had to gain altitude
	Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Common Eider Long-tailed Duck Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Commonant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Couple-crested Cormorant Couple-crested Cormorant Couple-crested Cormorant	Larus marinus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Somateria mollissima Clangula hyemalis Phalacrocorax auritus	2 2 1 2 2 2 1 45 9 4 11 23 2 6 1	N-S under lines N-S over lines, had to gain altitude S-N under lines through ship canal N-S under lines N-S under lines S-N over lines N-S high over lines N-S over lines, had to gain altitude N-S under lines
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05:15:00 05:30:00	Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Herring Gull Common Eider Long-tailed Duck Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Coreat Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Coreat Black-backed Gull Herring Gull	Larus marinus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Somateria mollissima Clangula hyemalis Phalacrocorax auritus Larus marinus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus	2 2 1 1 2 2 1 45 9 4 11 23 2 6 1 9 3 1 1 2 6 5 1 2 2 3 2 3 2 3 3 2 3 3 3 3 3 4 4 5 5 6 6 7 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	N-S under lines N-S over lines, had to gain altitude S-N under lines through ship canal N-S under lines N-S under lines S-N over lines N-S high over lines N-S over lines, had to gain altitude N-S under lines N-S over lines, had to gain altitude N-S under lines N-S over lines, had to gain altitude N-S under lines N-S over high over lines N-S over high over lines N-S under lines N-S over lines N-S over lines N-S over lines N-S over lines N-S approaches, over lines S-N over lines S-N over lines
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05:15:00 05:30:00	Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Common Eider Long-tailed Duck Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Great Black-backed Gull Herring Gull Great Black-backed Gull	Larus marinus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Somateria mollissima Clangula hyemalis Phalacrocorax auritus Larus marinus Phalacrocorax auritus Larus marinus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Larus marinus	2 2 1 1 2 1 2 1 45 9 4 11 23 2 6 1 9 3 1 1 1 2 6 5 1 2 2 3 2 1 1 2 3 70 40	N-S under lines N-S over lines, had to gain altitude S-N under lines through ship canal N-S under lines N-S under lines S-N over lines N-S high over lines N-S over lines, had to gain altitude N-S under lines N-S over lines, had to gain altitude N-S under lines N-S over high over lines N-S over high over lines N-S under lines N-S over lines N-S over lines N-S over lines N-S under lines
05:15:00 05:30:00	Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Common Eider Long-tailed Duck Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Great Black-backed Gull Herring Gull Forested Cormorant Great Black-backed Gull Herring Gull Great Black-backed Gull Herring Gull Great Black-backed Gull	Larus marinus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Somateria mollissima Clangula hyemalis Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Larus marinus Larus marinus Larus argentatus Phalacrocorax auritus Larus marinus	2 2 1 1 2 1 45 9 4 11 23 2 6 1 9 3 1 1 1 2 6 5 1 2 2 3 2 1 1 1 2 3 70 40	N-S under lines N-S over lines, had to gain altitude S-N under lines through ship canal N-S under lines N-S under lines S-N over lines N-S high over lines N-S over lines, had to gain altitude N-S under lines N-S over lines, had to gain altitude N-S under lines N-S over lines N-S under lines N-S under lines N-S under lines N-S over lines, all had to gain altitude N-S over lines, all had to gain altitude
05:15:00 05:30:00	Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Double-crested Cormorant Herring Gull Common Eider Long-tailed Duck Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Great Black-backed Gull Herring Gull Double-crested Cormorant Great Black-backed Gull Herring Gull Great Black-backed Gull	Larus marinus Phalacrocorax auritus Larus marinus Phalacrocorax auritus Phalacrocorax auritus Larus argentatus Somateria mollissima Clangula hyemalis Phalacrocorax auritus Larus marinus Phalacrocorax auritus Larus marinus Larus marinus Larus argentatus Phalacrocorax auritus Phalacrocorax auritus Phalacrocorax auritus Larus marinus Larus argentatus Larus marinus	2 2 1 1 2 1 2 1 45 9 4 11 23 2 6 1 9 3 1 1 1 2 6 5 1 2 2 3 2 1 1 2 3 70 40	N-S under lines N-S over lines, had to gain altitude S-N under lines through ship canal N-S under lines N-S under lines S-N over lines N-S high over lines N-S over lines, had to gain altitude N-S under lines N-S over lines, had to gain altitude N-S under lines N-S over high over lines N-S over high over lines N-S under lines N-S over lines N-S over lines N-S over lines N-S under lines

Date October 25, 2014

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
06:00:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Great Black-backed Gull	Larus marinus	1	S-N over lines, 2 approaches
	Great Black-backed Gull	Larus marinus	2	N-S under lines
	Bald Eagle	Haliaeetus leucocephalus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines, had to gain altitude
	Duck sp.	-	40	N-S over lines
	Northern Gannet	Morus bassanus	1	S-N over lines
06:15:00	Great Black-backed Gull	Larus marinus	2	N-S over lines
	Gulls	-		All left causeway

Species	Number of Individuals Observed
American Crow	44
Bald Eagle	6
Common Eider	134
Common Merganser	8
Common Raven	4
Double-crested Cormorant	390
Duck sp.	40
Great Black-backed Gull	159
Great Blue Heron	1
Herring Gull	72
Iceland Gull	1
Long-tailed Duck	13
Northern Gannet	3
Pigeon	12
Surf Scoter	6
White-winged Scoter	3
Wilson's Storm-Petrel	9

Date October 26, 2014

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
Time of Day  Variable cloud.	Wind 10-15 km/hr	Scientific Name	INO OF INGIVIOUALS	Species Benaviour
07:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
07:15:00	Great Black-backed Gull	Larus marinus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
07:30:00	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	7	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	100	S-N under lines
	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	50 60	S-N under lines S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	S-N under lines
	Herring Gull	Larus argentatus	1	N-S over lines, had to gain altitude
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	17	S-N over lines, fairly high
	Great Black-backed Gull	Larus marinus	9	N-S under lines
	Great Black-backed Gull	Larus marinus	2	N-S over lines, had to gain altitude
	Double-crested Cormorant Great Black-backed Gull	Phalacrocorax auritus  Larus marinus	2	N-S under lines N-S circled, 2 approach over lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Herring Gull	Larus argentatus	1	N-S over lines, circled, 2 approaches
07:45:00	Great Black-backed Gull	Larus marinus	29	Loitering on N side of causeway
	Herring Gull	Larus argentatus	6	Loitering on N side of causeway
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	American Robin	Turdus migratorius	1	Heard E of causeway
	Common Raven	Corvus corax	2	Patrolling causeway
	Golden-crowned Kinglet	Regulus satrapa Picoides villosus	1	Heard E of causeway
	Hairy Woodpecker  Double-crested Cormorant	Picoides villosus Phalacrocorax auritus	1 1	Heard E of causeway  N-S under lines
08:00:00	Great Black-backed Gull	Larus marinus	1	S-N under lines
	Boreal Chickadee	Poecile hudsonicus	2	E of causeway
	Common Eider	Somateria mollissima	20	N-S high over lines
	Pine Grosbeak	Pinicola enucleator	1	E of causeway
08:15:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Herring Gull	Larus argentatus	1	N-S over lines
08:30:00	Herring Gull Common Raven	Larus argentatus Corvus corax	1	N-S over lines Patrolling causeway
00.30.00	Double-crested Cormorant	Phalacrocorax auritus	1 1	S-N under lines
j.	Great Black-backed Gull	Larus marinus	50	Loitering around causeway
08:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Great Cormorant	Phalacrocorax carbo	2	N-S under lines
	Surf Scoter	Melanitta perspicillata	1	With gulls just N of causeway
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
09:15:00	Great Black-backed Gull Great Black-backed Gull	Larus marinus	1 46	S-N over lines, fairly high
09.15.00	Herring Gull	Larus marinus  Larus argentatus	8	Loitering near causeway  Loitering near causeway
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
09:30:00	Great Black-backed Gull	Larus marinus	1	N-S over lines
09:45:00	Black Guillemot	Cepphus grylle	1	Just N of causeway
	Great Black-backed Gull	Larus marinus	1	4 approaches, flying parallel to wires
	Great Black-backed Gull	Larus marinus	1	N-S over lines, had to gain altitude
10.00.00	Great Black-backed Gull	Larus marinus	1 1	N-S under lines S-N over lines
10:00:00	Bald Eagle  Double-crested Cormorant	Haliaeetus leucocephalus Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
10:15:00	Northern Gannet	Morus bassanus	1	N of causeway
	Herring Gull	Larus argentatus	1	N-S under lines, fairly close to traffic
10:30:00	Great Black-backed Gull	Larus marinus	1	S-N under lines
10:45:00	Great Black-backed Gull	Larus marinus	1	N-S under lines
	vey: Cloudy, Wind 15-20 S		1 40	To the second se
02:45:00	Great Black-backed Gull	Larus marinus	16 1	Loitering on N side of causeway
03:15:00	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	1 1	N-S under lines S-N under lines
03.13.00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines through ship canal
	American Robin	Turdus migratorius	40	N-S, under lines east land route
	Great Black-backed Gull	Larus marinus	1	N-S over lines
03:30:00	Great Black-backed Gull	Larus marinus	11	N-S over lines, 2 approaches
03:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Herring Gull	Larus argentatus	1	N-S under lines through ship canal
04:00:00	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	1 1	S-N under lines N-S under lines
UT.UU.UU	Double-crested Cormorant  Double-crested Cormorant	Phalacrocorax auritus  Phalacrocorax auritus	2	S-N under lines
	Great Black-backed Gull	Larus marinus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
04:15:00	Double-crested Cormorant	Phalacrocorax auritus	42	Loitering on N wharf
	Herring Gull	Larus argentatus	1	S-N over lines
	Double-crested Cormorant	Phalacrocorax auritus	12	N-S under lines
	Northern Gannet	Morus bassanus	1 1	S-N over lines
04:30:00	Bald Eagle Northern Gannet	Haliaeetus leucocephalus Morus bassanus	6	S-N over lines Well N of causeway
U4.3U.UU	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	- Judio Jirostou Oomiiolant			N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	TIN-S UTIGET TITLES
	Double-crested Cormorant Double-crested Cormorant	Phalacrocorax auritus Phalacrocorax auritus	1 1	S-N under lines
			1 1	

Date October 26, 2014

Time of Day	Common Name	Scientific Name	No of Individuals	Species Behaviour
04:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S underlines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off
	Double-crested Cormorant	Phalacrocorax auritus	40	N-S high over lines
	Herring Gull	Larus argentatus	1	S-N over lines
05:00:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines, had to gain altitude at last minute to avoid truck
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	18	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	35	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	5	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	11	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S over lines
	Double-crested Cormorant	Phalacrocorax auritus	3	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	14	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S backed off, flew parallel, made 3 attempts, 1 close call
05:15:00	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Northern Gannet	Morus bassanus	14	Foraging N in open water
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
05:30:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under linese
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	32	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
05:45:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	6	N-S, 4 under, 2 dropped altitude at last second, other 2 under lines first set, over lines second set, others backed off, both close calls
	Double-crested Cormorant	Phalacrocorax auritus	2	N-S under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S, backed off, circled, flew parallel, 2 more approaches then under high spot
	Double-crested Cormorant	Phalacrocorax auritus	40	N-S, 36 under lines, several close calls, 4 backed off
	Double-crested Cormorant	Phalacrocorax auritus	7	N-S under lines
	Great Black-backed Gull	Larus marinus	1	S-N under lines
	Double-crested Cormorant	Phalacrocorax auritus	1	N-S under lines
06:00:00	Double-crested Cormorant	Phalacrocorax auritus	1	N-S
	Great Black-backed Gull	Larus marinus	1	N-S under lines
06:15:00	Great Black-backed Gull	Larus marinus	1	N-S under lines

Species	Number of Individuals Observed
American Robin	41
Bald Eagle	2
Black Guillemot	1
Boreal Chickadee	2
Common Eider	20
Common Raven	3
Double-crested Cormorant	573
Great Black-backed Gull	168
Great Cormorant	2
Hairy Woodpecker	1
Herring Gull	23
Northern Gannet	22
Pine Grosbeak	1
Surf Scoter	1

	Surve		Survey 2		Sui	vey 3	Survey 4			rvey 5	Survey 6	
Species	17-Sep-14	18-Sep-14	22-Sep-14	23-Sep-14	4-Oct-14	5-Oct-14	11-Oct-14	12-Oct-14	15-Oct-14	16-Oct-14	25-Oct-14	26-Oct-14
American Black Duck	4	-	2	-	-	-	-	-	-	2	-	-
American Crow	2	5	7	53	-	-	4	6	24	1	44	-
American Goldfinch	-	-	-	2	1	-	-	-	-	-	-	-
American pipit	-	-	-	-	-	-	-	-	-	2	-	-
American Robin	-	-	-	-	-	7	76	30	70	40	-	41
Arctic Tern	-	8	-	-	-	-	-	-	_		-	-
Bald Eagle	7	11	4	3	8	7	7	10	8	2	6	2
Belted Kingfisher	6	7		1	2	2	2	-	-	-	-	-
Black Guillemot	-	-	-	-	-	-	-	-	-	-	-	1
Black-headed Gull	1 1	-	_	_	_	-	-	-	_	-	-	-
Blue Jay	123	117	-	1	7	45	2	8	-	-	-	-
Bonaparte's Gull	217	172	30	100	3	1	-	8	-	-	-	-
Boreal chickadee	1	-	-	-	-	-	-	-	-	-	-	2
Canada Goose	-	-		-	-	-	-	9			-	-
Caspian Tern	-	-		-		-	2	-		-	-	-
						-		67			134	20
Common Eider Common Grackle	-	-	-	-	-	50	-	-	-	-	-	-
Common Grackie Common Loon	-	-		- 1	3	2	-	-	-	-	-	-
Common Merganser	19	30	3	7	68	5	-	-	3		8	
	19	5		4	4	4	1	3	2	2	4	3
Common Raven Dark-eved Junco		-	-			1			-			
,	- 2442		- 2040	- 1947	- 1004		- 024	-		- 002	- 200	- 570
Double-crested Cormorant	2112	3086	2018	-	1864 2	1758	924	533	650	993	390 40	573
Duck sp.	-	-	•	-		•	-	55		-		-
European Starling	-	-		-	-	-	-	50	-	-	-	-
Great black-backed Gull	85	20	55	52	50	16	34	32	102	23	159	168
Great Blue Heron	7	22	4	5	4	3	7	9	-	1	1	
Great Cormorant	-	-	-	-	-	-	-	<u> </u>	-	-	-	2
Greater Scaup	-	-	<u> </u>	-	-	-	-	1	-	-	-	-
Gulls	-	40	5	100	115	-	50	20	270	70	-	<u> </u>
Hairy Woodpecker	-	-	•	-	-	-	1	-	1	-	-	1
Harlequin Duck	-	-	-	-	-	-	-	2	-		-	-
Herring Gull	138	29	87	47	36	60	145	74	159	36	72	23
Iceland Gull	-	-	•	-	1	-	-	1	-	-	1	-
Long-tailed Duck	-	-	-	-	-	-	-	6	-	-	13	-
Merlin	5	-	-	-	-	-	1	-	-	-	-	-
Northern Gannet	-	-	1	1	-	-	-	1	-	-	3	22
Northern Harrier	-	-	-	1	-	-	-	-	-	-	-	-
Osprey	1	3	-	-	-	-	-	-	-	-	-	-
Pigeon	8	-	•	-	-	-	20	-	-	-	12	-
Pine Grosbeak	-	-	-	-	-	4	3	1	-	-	-	1
Purple finch	-	-	-	-	-	-	1	-	-	-	-	-
Red-tailed hawk	1	1	-	-	-	-	-	-	-	-	-	-
Red-throated Loon	-	-	-	-	-	-	-	1	-	-	-	-
Ring-billed Gull	1	2	1	2	1	-	1	1	-	-	-	-
Ruffed Grouse	-	-	-	-	-	-	-	1	-	-	-	-
Savannah Sparrow	-	-	-	-	-	-	1	-	-	-	-	-
Sharp-shinned Hawk	-	-	2	-	-	-	-	-	-	-	-	-
Song Sparrow	1	-	-	-	-	-	7	-	-	-	-	-
Surf scoter	-	-	-	-	7	2	-	44	3	3	6	1
Swamp Sparrow	-	-	-	-	1	-	-	-	-	-	-	-
Warbler sp.	-	6	-	-	-	-	-	-	-	-	-	-
White-winged Scoter	-	-	-	-	-	-	4	-	-	-	3	-
Wilson's Storm-Petrel	-	-		-	-	-	-	8		-	9	-
Yellow-rumped warbler	-	-	-	-	1	-	1	-	-	-	-	
				l .	t .	1	1		t .	1		

	Flight Path through NSPI Infrastructure Summary				
Under		Over		Between	
	171		48		24
	175		61		15
	155		82	,	13
	126		68		6
	120		67		5
	124		55		10
	137		73		3
	107		61		5
	119		69		4
	117		54		14
	81		59		2
	79		25		1
	1511		722	10	02

	Interactions Summary			
Sept.17	Double-crested Cormorant	Hit		
Sept. 18	Double-crested Cormorant	S-N, b/w lines, hit		
Oct. 4	Double-crested Cormorant	Hit		
Oct. 12	Double-crested Cormorant	Hit		
Oct. 16	Double-crested Cormorant	S-N, b/w lines, hit		
Oct. 16	Double-crested Cormorant	S-N, b/w lines, hit		

TOTALS

TOTAL
8
146
3
2
264
8
75
20
1
1
303
531
3
9
2
221
50
6
143
33
1
16848
97
50
796
63
2
1
670
3
2
906
3
19
6
28
1
4
40
9
1
2
1
9
1
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2
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66
1
6
7 17
1/
2

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