<p>| DATE     | LOCATION       | START | FINISH | TEMP.° | APPARENT TIDE | SPECIES SIGHTED          | SCIENTIFIC NAME        | # OF SIGHTINGS | OVER WATER? | IN WATER? | OTHER WILDLIFE                      | CONDITIONS | NOTES                                                                 |
|----------|----------------|-------|-------|--------|---------------|--------------------------|-------------------------|------------------------|--------------|------------|----------|-------------------------------------|------------|-----------------------------------------------------------------------|
| 7/6/16   | 7th St. basin  | 7:55  | 8:55  | 75     | Low           | northern mockingbird     | Mimus polyglottos       | 3                      | yes          | no         | sparrow, fish, horseshoe crab    | bright, sunny, warm | likely a herring gull, possibly a ring-billed gull                  |
|          |                |       |       |        |               | seagull                  | Larus sp.               | 1                      | yes          | no         |                                     |            |                                        |
|          |                |       |       |        |               | double-crested cormorant | Phalacrocorax auritus   | 1                      | yes          | no         |                                     |            |                                        |
| 7/13/16  | 3rd St. basin  | 12:37 | 13:37 | 81     | High          | northern mockingbird     | Mimus polyglottos       | 4                      | yes          | no         | fish, sparrows                    | partly sunny, western current | likely a herring gull, possibly a ring-billed gull                  |
|          |                |       |       |        |               | mourning dove            | Zenaida macroura        | 1                      | yes          | no         |                                     |            |                                        |
|          |                |       |       |        |               | seagull                  | Larus sp.               | 1                      | yes          | no         |                                     |            |                                        |
|          |                |       |       |        |               | barn swallow              | Hirundo rustica         | 1                      | no           |            |                                     | unconfirmed |                                        |
|          |                |       |       |        |               | great egret              | Ardea alba              | 1                      | yes          | no         |                                     |            |                                        |
| 7/9/16   | 3rd St. basin  | 18:30 | 19:30 | 69     | ?             | (none)                   | --                      | 0                      | --           | --         | fish (jumping)                     | foggy       | no sightings                                                                         |
|          |                |       |       |        |               |                          |                         |                        |              |            |                                     |            |                                        |
| 7/14/16  | Union St. Bridge | 18:30 | 19:30 | 82     | High          | great egret              | Ardea alba              | 1                      | yes          | yes        | fish (jumping), sparrow           | fairly clear water (little to no debris) | there whole time                                                   |
|          |                |       |       |        |               | chimney swift             | Chaetura pelagica       | 1                      | yes          | no         |                                     |            | actually &gt; 1                                                                          |
|          |                |       |       |        |               | barn swallow              | Hirundo rustica         | 1                      | yes          | no         |                                     | unconfirmed |                                        |
|          |                |       |       |        |               | seagull                  | Larus sp.               | 2                      | yes          | no         |                                     |            | likely a herring gull, possibly a ring-billed gull                  |
|          |                |       |       |        |               | American crow             | Corvus brachyrhynchos   | 2                      | yes          | no         |                                     |            |                                        |
|          |                |       |       |        |               | mourning dove             | Zenaida macroura        | 1                      | yes          | no         |                                     |            |                                        |
| 7/18/16  | 7th St. basin  | 19:11 | 20:11 | 79     | High          | killdeer                 | Charadrius vociferus    | 1                      | yes          | no         | fish (jumping), sparrow           | overcast, some sun, cool, water fairly still and clear, mild southern current | post-storm; killdeer in lot, then flew low over the water               |
|          |                |       |       |        |               | chimney swift             | Chaetura pelagica       | 20                     | yes          | no         |                                     |            | actually &gt; 20                                                                       |
|          |                |       |       |        |               | seagull                  | Larus sp.               | 1                      | yes          | no         |                                     |            | likely a herring gull, possibly a ring-billed gull                  |
|          |                |       |       |        |               | double-crested cormorant  | Phalacrocorax auritus   | 1                      | yes          | no         |                                     |            |                                        |
| 7/27/16  | Union St. Bridge | 8:42  | 9:44  | 76     | Low           | American crow             | Corvus brachyrhynchos   | 1                      | yes          | no         | sparrow, juvenile fish?          | clear sky, warm, pleasant, breeze, south current, some debris in water but ok/clear | 5 to 7                                                                 |
|          |                |       |       |        |               | mourning dove             | Zenaida macroura        | 1                      | yes          | no         |                                     |            |                                        |
|          |                |       |       |        |               | northern mockingbird      | Mimus polyglottos       | 1                      | yes          | no         |                                     |            |                                        |
|          |                |       |       |        |               | chimney swift             | Chaetura pelagica       | 7                      | no           | no         |                                     |            |                                        |</p>
<table>
<thead>
<tr>
<th>Species</th>
<th>Common Name</th>
<th>Present</th>
<th>Seen in Water</th>
<th>Stayed in Water</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Phalacrocorax auritus</em></td>
<td>Double-crested Cormorant</td>
<td>1</td>
<td>yes</td>
<td>yes</td>
<td>stayed in water from north end at least to Carrol St.</td>
</tr>
<tr>
<td><em>Hirundo rustica</em></td>
<td>Barn swallow</td>
<td>1</td>
<td>yes</td>
<td>no</td>
<td>unconfirmed</td>
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<tr>
<td></td>
<td>7th St. basin</td>
<td>3rd St. basin</td>
<td>Union St. Bridge</td>
<td>Totals/Overall</td>
<td></td>
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<tr>
<td>-----------------------------</td>
<td>---------------</td>
<td>---------------</td>
<td>-----------------</td>
<td>---------------</td>
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<tr>
<td># of total sightings per location</td>
<td>28</td>
<td>8</td>
<td>20</td>
<td>56</td>
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<tr>
<td>&quot; &quot; morning</td>
<td>5</td>
<td>8</td>
<td>12</td>
<td>25</td>
<td></td>
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<tr>
<td>&quot; &quot; evening</td>
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<td>0</td>
<td>8</td>
<td>31</td>
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<tr>
<td>Mean *(b/w each visit above)</td>
<td>14.0</td>
<td>4.0</td>
<td>10.0</td>
<td></td>
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</tr>
<tr>
<td>Median*</td>
<td>14.0</td>
<td>4.0</td>
<td>10.0</td>
<td></td>
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</tr>
<tr>
<td>Standard Deviation*</td>
<td>12.7</td>
<td>5.7</td>
<td>2.8</td>
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<tr>
<td>Sample Variance*</td>
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<td>32.0</td>
<td>8.0</td>
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<tr>
<td>Range*</td>
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<td>8.0</td>
<td>4.0</td>
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<tr>
<td># of total sightings per location (minus chimney swifts)</td>
<td>8</td>
<td>8</td>
<td>12</td>
<td>28</td>
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<tr>
<td>&quot; &quot; morning</td>
<td>5</td>
<td>8</td>
<td>5</td>
<td>18</td>
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<td>&quot; &quot; evening</td>
<td>3</td>
<td>0</td>
<td>7</td>
<td>10</td>
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<tr>
<td>Mean *(b/w each visit above)</td>
<td>4.0</td>
<td>4.0</td>
<td>6.0</td>
<td></td>
<td></td>
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<tr>
<td>Median*</td>
<td>4.0</td>
<td>4.0</td>
<td>6.0</td>
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<tr>
<td>Standard Deviation*</td>
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<td>5.7</td>
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<tr>
<td>Sample Variance*</td>
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<td>32.0</td>
<td>2.0</td>
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<tr>
<td>Range*</td>
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<td>8.0</td>
<td>2.0</td>
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<td># of water bird sightings per location</td>
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<td>2</td>
<td>4</td>
<td>11</td>
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<td>&quot; &quot; morning</td>
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<td>1</td>
<td>5</td>
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<tr>
<td>&quot; &quot; evening</td>
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<td>3</td>
<td>6</td>
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<tr>
<td></td>
<td>3</td>
<td>1</td>
<td>2</td>
<td></td>
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<td>-----</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>Mean # of water bird sightings per location</td>
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<td></td>
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<tr>
<td># of bird-in-water interactions per site</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>4</td>
<td></td>
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<tr>
<td>&quot; &quot; morning</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>&quot; &quot; evening</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Mean # of bird-in-water interactions per site</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
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<tr>
<td>% of sightings are waterbirds</td>
<td>17.9</td>
<td>25.0</td>
<td>20.0</td>
<td>19.6</td>
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<tr>
<td>% of non-chimney swift sightings are waterbirds</td>
<td>62.5</td>
<td>25.0</td>
<td>33.3</td>
<td>39.3</td>
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### COLUMBIA ST. PIER HOTSPOT DATA COMPARISON

<table>
<thead>
<tr>
<th></th>
<th>#</th>
<th>NOTES</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>listed # of species at this hotspot*</td>
<td>26</td>
<td></td>
<td>*when not counting pigeons, starlings, or sparrows</td>
</tr>
<tr>
<td>difference in # of species this hotspot reports versus my data</td>
<td>17</td>
<td></td>
<td>but also note my non-count of pigeons, starlings, and sparrows</td>
</tr>
<tr>
<td>common species between studies</td>
<td>7</td>
<td></td>
<td>but also note my non-count of pigeons, starlings, and sparrows</td>
</tr>
<tr>
<td>water/shore species in common b/w studies for frequency/abundance comparison</td>
<td>1</td>
<td>double-crested cormorant</td>
<td>but minimal checklist data to compare frequency and abundance</td>
</tr>
<tr>
<td>species in my sightings but not on Columbia St. pier hotspot</td>
<td>2</td>
<td>great egret and killdeer</td>
<td>though these species occur in other nearby areas</td>
</tr>
</tbody>
</table>

### INDIVIDUAL eBIRD DATA FOR CANAL SIGHTINGS OF WATER AND SHORE BIRDS

<table>
<thead>
<tr>
<th></th>
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<th>NOTES</th>
<th>COMMENTS</th>
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<tbody>
<tr>
<td>prior reports of a killdeer on/at the Canal</td>
<td>0</td>
<td></td>
<td></td>
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<tr>
<td>prior reports of a great egret on/at the Canal</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>prior reports of a double-crested cormorant on/at the Canal</td>
<td>2</td>
<td></td>
<td></td>
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</tbody>
</table>

### Cornell eBird data comparison

<table>
<thead>
<tr>
<th></th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td>listed # of species at Columbia St. Pier hotspot (minus pigeon, sparrow, etc.)</td>
<td>26</td>
</tr>
<tr>
<td>listed # of species from this paper</td>
<td>9</td>
</tr>
<tr>
<td>difference between data sets</td>
<td>17</td>
</tr>
<tr>
<td>sightings of killdeer and great egret at Columbia St. Pier hotspot</td>
<td>0</td>
</tr>
<tr>
<td>prior individual reports of a killdeer on/at the Canal</td>
<td>0</td>
</tr>
<tr>
<td>prior individual reports of a great egret on/at the Canal</td>
<td>2</td>
</tr>
<tr>
<td>prior individual reports of a double-crested cormorant on/at the Canal</td>
<td>2</td>
</tr>
</tbody>
</table>

### Cornell eBird data comparison

<table>
<thead>
<tr>
<th></th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td>species sighted at Columbia St. Pier hotspot (CSP)</td>
<td>26</td>
</tr>
<tr>
<td>species sighted in this paper</td>
<td>9</td>
</tr>
<tr>
<td>killdeer or great egret sightings at CSP</td>
<td>0</td>
</tr>
<tr>
<td>other eBird killdeer sightings on/at the Canal</td>
<td>0</td>
</tr>
<tr>
<td>other eBird great egret sightings on/at the Canal</td>
<td>2</td>
</tr>
<tr>
<td>other eBird double-crested cormorant sightings on/at the Canal</td>
<td>2</td>
</tr>
</tbody>
</table>