

Appendix 2. Mean and total number of species counted.

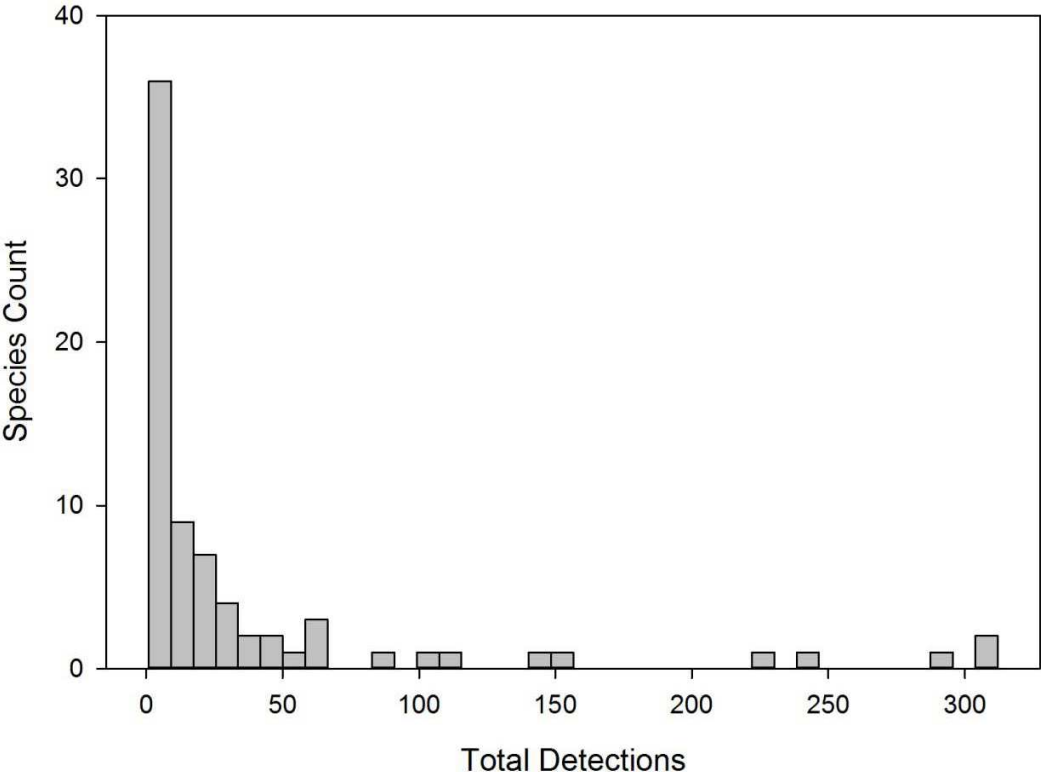


Figure A2.1. Distribution of the total number of individuals detected for each species irrespective of treatment and land cover type. A total of 351 individual birds from 76 species were detected in this study.

**Table A2.1.** Total number of detection per survey type and land cover for the 76 species detected during this study.

Species	Species Name	Human BBS	On-road ARU BBS	F-e ARU 1 week earlier	F-e ARU BBS	F-e ARU Sunrise	F-e ARU Sunset	F-e ARU Combined	Total
Swainson's Thrush	<i>(Catharus ustulatus)</i>	64	64	48	55	60	84	84	<b>375</b>
White-throated Sparrow	<i>(Zonotrichia albicollis)</i>	76	78	53	61	92	8	92	<b>368</b>
Hermit Thrush	<i>(Catharus guttatus)</i>	47	61	47	42	84	78	84	<b>359</b>
Chipping Sparrow	<i>(Spizella passerine)</i>	82	77	39	59	70	1	70	<b>328</b>
American Robin	<i>(Turdus migratorius)</i>	79	67	32	54	64	11	64	<b>307</b>
Dark-eyed Junco	<i>(Junco hyemalis)</i>	36	32	26	32	58	4	58	<b>188</b>
Yellow-rumped Warbler	<i>(Setophaga coronate)</i>	36	43	34	37	33	1	37	<b>184</b>
Tennessee Warbler	<i>(Oreothlypis peregrine)</i>	42	34	20	32	21	3	32	<b>152</b>
Lincoln's Sparrow	<i>(Melospiza lincolnii)</i>	26	25	18	23	35	1	35	<b>128</b>
Lesser Yellowlegs	<i>(Tringa flavipes)</i>	26	29	12	20	9	13	20	<b>109</b>
Palm Warbler	<i>(Setophaga palmarum)</i>	32	26	10	16	11	0	16	<b>95</b>
Alder Flycatcher	<i>(Empidonax alnorum)</i>	28	18	10	13	22	2	22	<b>93</b>
Wilson's Snipe	<i>(Gallinago delicata)</i>	22	26	8	13	6	7	13	<b>82</b>
Gray Jay	<i>(Perisoreus Canadensis)</i>	18	21	9	15	4	2	15	<b>69</b>
Orange-crowned Warbler	<i>(Oreothlypis celata)</i>	15	13	9	10	17	0	17	<b>64</b>
White-winged Crossbill	<i>(Loxia leucoptera)</i>	47	3	0	3	4	0	4	<b>57</b>
Common Raven	<i>(Corvus corax)</i>	14	13	14	10	4	0	14	<b>55</b>
Swamp Sparrow	<i>(Melospiza georgiana)</i>	10	9	8	10	12	0	12	<b>49</b>
Ruby-crowned Kinglet	<i>(Regulus calendula)</i>	14	11	8	7	5	0	8	<b>45</b>
Common Nighthawk	<i>(Chordeiles minor)</i>	1	0	0	0	0	42	42	<b>43</b>

Least Flycatcher	<i>(Empidonax minimus)</i>	12	9	7	7	8	0	8	<b>43</b>
Red-winged Blackbird	<i>(Agelaius phoeniceus)</i>	13	12	5	8	3	0	8	<b>41</b>
White-crowned Sparrow	<i>(Zonotrichia leucophrys)</i>	11	8	4	8	7	2	8	<b>40</b>
Red-eyed Vireo	<i>(Vireo olivaceus)</i>	5	7	5	5	7	0	7	<b>29</b>
Blue-headed Vireo	<i>(Vireo solitaries)</i>	5	5	3	7	4	1	7	<b>25</b>
Northern Waterthrush	<i>(Parkesia noveboracensis)</i>	4	8	8	4	1	0	8	<b>25</b>
Solitary Sandpiper	<i>(Tringa solitaria)</i>	6	7	4	5	3	0	5	<b>25</b>
Ruffed Grouse	<i>(Bonasa umbellus)</i>	0	7	1	7	7	1	7	<b>23</b>
Sandhill Crane	<i>(Antigone canadensis)</i>	4	5	6	2	1	5	6	<b>23</b>
Yellow Warbler	<i>(Setophaga petechial)</i>	13	3	4	2	1	0	4	<b>23</b>
Pine Siskin	<i>(Spinus pinus)</i>	2	8	4	5	3	0	5	<b>22</b>
Common Loon	<i>(Gavia immer)</i>	7	6	1	5	0	1	5	<b>20</b>
Western Tanager	<i>(Piranga ludoviciana)</i>	4	4	8	1	0	0	8	<b>17</b>
Common Yellowthroat	<i>(Geothlypis trichas)</i>	4	3	2	3	2	1	3	<b>15</b>
Yellow-bellied Sapsucker	<i>(Sphyrapicus varius)</i>	4	4	0	4	3	0	4	<b>15</b>
Spotted Sandpiper	<i>(Actitis macularius)</i>	2	6	1	3	1	1	3	<b>14</b>
American Crow	<i>(Corvus brachyrhynchos)</i>	1	4	0	6	2	0	6	<b>13</b>
American Redstart	<i>(Setophaga ruticilla)</i>	4	3	4	1	1	0	4	<b>13</b>
Clay-colored Sparrow	<i>(Spizella pallida)</i>	5	4	1	3	0	0	3	<b>13</b>
Cape May Warbler	<i>(Setophaga tigrina)</i>	3	3	5	2	0	0	5	<b>13</b>
Western Wood-Pewee	<i>(Contopus sordidulus)</i>	4	3	1	4	1	0	4	<b>13</b>
Lesser Scaup	<i>(Aythya affinis)</i>	12	0	0	0	0	0	0	<b>12</b>
Olive-sided Flycatcher	<i>(Contopus cooperi)</i>	4	3	0	1	2	2	2	<b>10</b>
Sora	<i>(Porzana carolina)</i>	2	2	2	0	3	1	3	<b>10</b>

Yellow-bellied Flycatcher	<i>(Empidonax flaviventris)</i>	2	1	1	2	2	0	2	<b>8</b>
Bay-breasted Warbler	<i>(Setophaga castanea)</i>	3	1	1	2	0	0	2	<b>7</b>
Boreal Chickadee	<i>(Poecile hudsonicus)</i>	4	2	0	1	0	0	1	<b>7</b>
Bonaparte's Gull	<i>(Chroicocephalus Philadelphia)</i>	1	2	1	1	1	0	1	<b>6</b>
Mew Gull	<i>(Larus canus)</i>	0	2	2	0	2	0	2	<b>6</b>
Fox Sparrow	<i>(Passerella iliaca)</i>	1	2	0	1	1	0	1	<b>5</b>
Hairy Woodpecker	<i>(Picoides villosus)</i>	1	2	0	2	0	0	2	<b>5</b>
Northern Flicker	<i>(Colaptes auratus)</i>	3	1	1	0	0	0	1	<b>5</b>
Black-and-white Warbler	<i>(Mniotilta varia)</i>	0	2	1	0	1	0	1	<b>4</b>
Canada Goose	<i>(Branta Canadensis)</i>	1	1	1	1	0	0	1	<b>4</b>
Mallard	<i>(Anas platyrhynchos)</i>	0	2	0	2	0	0	2	<b>4</b>
Magnolia Warbler	<i>(Setophaga magnolia)</i>	1	1	0	1	1	0	1	<b>4</b>
Ovenbird	<i>(Seiurus aurocapilla)</i>	1	0	0	1	2	0	2	<b>4</b>
Red-necked Grebe	<i>(Podiceps grisegena)</i>	0	0	0	0	3	1	3	<b>4</b>
Tree Swallow	<i>(Tachycineta bicolor)</i>	0	0	1	0	3	0	3	<b>4</b>
American Kestrel	<i>(Falco sparverius)</i>	1	2	0	0	0	0	4	<b>3</b>
Bald Eagle	<i>(Haliaeetus leucocephalus)</i>	2	1	0	0	0	0	0	<b>3</b>
Pacific Loon	<i>(Gavia pacifica)</i>	0	1	0	1	0	1	1	<b>3</b>
Pileated Woodpecker	<i>(Dryocopus pileatus)</i>	0	2	0	1	0	0	1	<b>3</b>
Wilson's Warbler	<i>(Cardellina pusilla)</i>	0	1	2	0	0	0	2	<b>3</b>
American Coot	<i>(Fulica Americana)</i>	0	0	0	0	2	0	2	<b>2</b>
Barn Swallow	<i>(Hirundo rustica)</i>	1	1	0	0	0	0	0	<b>2</b>
California Gull	<i>(Larus californicus)</i>	0	0	0	0	2	0	0	<b>2</b>

Great Horned Owl	<i>(Bubo virginianus)</i>	0	0	0	0	1	1	1	2
Le Conte's Sparrow	<i>(Ammodramus leconteii)</i>	0	0	1	0	0	1	1	2
Rusty Blackbird	<i>(Euphagus carolinus)</i>	1	1	0	0	0	0	0	2
American Wigeon	<i>(Anas Americana)</i>	0	0	1	0	0	0	1	1
Black-billed Magpie	<i>(Pica hudsonia)</i>	0	0	1	0	0	0	1	1
Black-backed Woodpecker	<i>(Picoides arcticus)</i>	1	0	0	0	0	0	0	1
Black-capped Chickadee	<i>(Poecile atricapillus)</i>	0	0	0	0	1	0	1	1
Common Grackle	<i>(Quiscalus quiscula)</i>	1	0	0	0	0	0	0	1
Herring Gull	<i>(Larus argentatus)</i>	1	0	0	0	0	0	0	1
Horned Grebe	<i>(Podiceps auritus)</i>	1	0	0	0	0	0	0	1
Rose-breasted Grosbeak	<i>(Pheucticus ludovicianus)</i>	0	0	0	0	1	0	1	1

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