

BIRD MONITORING REPORT, 2017-2019
SOUTHERN MARYLAND IMPORTANT BIRD AREAS
SUPPLEMENTAL DATA

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Table S1. All Sites Summary

Total detections and mean relative abundance (detections/point) of each species observed at the four survey sites (combined; forest routes only). Forest Interior Dwelling Birds (FIDS) are denoted in bold font; Species of Greatest Conservation Need (SGCN) are denoted by *. Count is the number of detections during 5-minute counts. Mean is the mean number of detections per 5-minute count. A mean of P indicates a species that was only detected outside of the 5-minutes count periods.

| Species | Habitat Specialist | 2017 | | 2018 | | 2019 | | 2017-2019 | |
|---------------------------------|--------------------|-------|------|-------|------|-------|------|-----------|------|
| | | Count | Mean | Count | Mean | Count | Mean | Count | Mean |
| Acadian Flycatcher* | FIDS | 229 | 1.47 | 306 | 1.29 | 276 | 1.37 | 811 | 1.36 |
| American Crow | | 76 | 0.44 | 76 | 0.44 | 78 | 0.42 | 230 | 0.43 |
| American Goldfinch | | 39 | 0.23 | 37 | 0.21 | 17 | 0.11 | 93 | 0.17 |
| American Redstart* | FIDS | 6 | 0.02 | 6 | 0.02 | 1 | 0.00 | 13 | 0.01 |
| American Robin | | 4 | 0.02 | 7 | 0.02 | 7 | 0.01 | 18 | 0.02 |
| Bald Eagle* | | 1 | 0.00 | 5 | 0.09 | 4 | 0.07 | 10 | 0.07 |
| Baltimore Oriole | | 1 | 0.00 | 2 | 0.04 | | | 3 | 0.02 |
| Barred Owl | FIDS | 1 | 0.00 | 1 | 0.01 | 1 | 0.00 | 3 | 0.01 |
| Belted Kingfisher | | 1 | 0.00 | | | 2 | 0.02 | 3 | 0.01 |
| Black Vulture | | | | 1 | 0.02 | | 0.00 | 1 | 0.01 |
| Black-and-white Warbler* | FIDS | 1 | 0.00 | 7 | 0.03 | 2 | 0.02 | 10 | 0.02 |
| Blackpoll Warbler | | | | 1 | 0.00 | | | 1 | 0.00 |
| Blue Grosbeak | | 2 | 0.01 | 6 | 0.01 | | | 8 | 0.01 |
| Blue Jay | | 27 | 0.18 | 59 | 0.31 | 49 | 0.26 | 135 | 0.26 |
| Blue-gray Gnatcatcher | | 26 | 0.22 | 64 | 0.41 | 78 | 0.51 | 168 | 0.41 |
| Brown Creeper* | FIDS | | | | | 1 | 0.00 | 1 | 0.00 |
| Brown Thrasher | | 3 | 0.03 | 4 | 0.01 | 3 | 0.01 | 10 | 0.01 |
| Brown-headed Cowbird | | 14 | 0.07 | 60 | 0.26 | 22 | 0.10 | 96 | 0.16 |
| Canada Goose | | | | 1 | 0.01 | 23 | 0.38 | 24 | 0.16 |
| Carolina Chickadee | | 37 | 0.35 | 55 | 0.27 | 54 | 0.39 | 146 | 0.34 |
| Carolina Wren | | 45 | 0.31 | 131 | 0.85 | 129 | 0.91 | 305 | 0.76 |
| Cedar Waxwing | | 1 | 0.02 | 1 | 0.01 | 7 | 0.02 | 9 | 0.01 |
| Cerulean Warbler* | FIDS | 1 | 0.00 | | | | | 1 | 0.00 |
| Chimney Swift* | | 4 | 0.02 | 9 | 0.05 | 13 | 0.07 | 26 | 0.05 |
| Chipping Sparrow | | 8 | 0.03 | 5 | 0.03 | 2 | 0.02 | 15 | 0.03 |
| Common Grackle | | 5 | 0.04 | 7 | 0.04 | 17 | 0.15 | 29 | 0.08 |
| Common Yellowthroat | | 18 | 0.07 | 18 | 0.07 | 18 | 0.08 | 54 | 0.08 |
| Downy Woodpecker | | 33 | 0.26 | 45 | 0.28 | 36 | 0.22 | 114 | 0.25 |
| Eastern Bluebird | | 1 | 0.00 | 7 | 0.05 | 8 | 0.06 | 16 | 0.05 |
| Eastern Kingbird | | 2 | 0.01 | 2 | 0.00 | 6 | 0.07 | 10 | 0.03 |
| Eastern Phoebe | | | | | | 2 | 0.03 | 2 | 0.01 |
| Eastern Towhee | SHRUB | 7 | 0.04 | 7 | 0.03 | 6 | 0.03 | 20 | 0.03 |
| Eastern Wood-Pewee | | 127 | 0.95 | 140 | 0.66 | 152 | 0.78 | 419 | 0.77 |
| European Starling | | | | | | 1 | 0.01 | 1 | 0.00 |

| Species | Habitat Specialist | 2017 | | 2018 | | 2019 | | 2017-2019 | |
|-------------------------------|--------------------|-------|------|-------|------|-------|------|-----------|------|
| | | Count | Mean | Count | Mean | Count | Mean | Count | Mean |
| Field Sparrow | | 7 | 0.03 | 11 | 0.02 | 6 | 0.01 | 24 | 0.02 |
| Fish Crow | | | | 3 | 0.01 | 5 | 0.04 | 8 | 0.02 |
| Gray Catbird | | 7 | 0.03 | 8 | 0.04 | 8 | 0.04 | 23 | 0.04 |
| Great Blue Heron* | | 3 | 0.01 | 1 | 0.01 | 3 | 0.04 | 7 | 0.02 |
| Great Crested Flycatcher | | 18 | 0.13 | 41 | 0.25 | 40 | 0.22 | 99 | 0.21 |
| Green Heron | | | | | | 3 | 0.03 | 3 | 0.01 |
| Hairy Woodpecker | FIDS | 3 | 0.02 | 11 | 0.09 | 17 | 0.14 | 31 | 0.10 |
| Hooded Warbler* | FIDS | 33 | 0.17 | 41 | 0.17 | 35 | 0.12 | 109 | 0.15 |
| House Finch | | | | | | 1 | 0.00 | 1 | 0.00 |
| House Wren | | | | 2 | 0.00 | | | 2 | 0.00 |
| Indigo Bunting | | 20 | 0.11 | 29 | 0.18 | 22 | 0.15 | 71 | 0.15 |
| Kentucky Warbler* | FIDS | 11 | 0.09 | 25 | 0.08 | 18 | 0.06 | 54 | 0.07 |
| Louisiana Waterthrush* | FIDS | 24 | 0.17 | 37 | 0.18 | 32 | 0.18 | 93 | 0.18 |
| Mallard | | | | | | 2 | 0.02 | 2 | 0.01 |
| Marsh Wren* | MARSH | 1 | 0.00 | | | | | 1 | 0.00 |
| Mourning Dove | | 58 | 0.31 | 51 | 0.19 | 42 | 0.14 | 151 | 0.19 |
| Northern Cardinal | | 81 | 0.61 | 156 | 0.77 | 139 | 0.74 | 376 | 0.73 |
| Northern Flicker | | 5 | 0.05 | 5 | 0.02 | 5 | 0.02 | 15 | 0.03 |
| Northern Mockingbird | | 1 | 0.01 | 1 | 0.01 | 1 | 0.00 | 3 | 0.01 |
| Northern Parula* | FIDS | 63 | 0.34 | 80 | 0.48 | 86 | 0.51 | 229 | 0.47 |
| Orchard Oriole | | 1 | 0.00 | 8 | 0.02 | 6 | 0.04 | 15 | 0.02 |
| Osprey | | 1 | 0.00 | 5 | 0.07 | 8 | 0.14 | 14 | 0.09 |
| Ovenbird* | FIDS | 143 | 0.97 | 179 | 0.67 | 149 | 0.65 | 471 | 0.72 |
| Pileated Woodpecker | FIDS | 24 | 0.12 | 43 | 0.22 | 31 | 0.14 | 98 | 0.17 |
| Pine Warbler | | 6 | 0.02 | 6 | 0.02 | 5 | 0.02 | 17 | 0.02 |
| Prairie Warbler* | | 2 | 0.01 | | | | | 2 | 0.00 |
| Prothonotary Warbler* | FIDS | 1 | 0.00 | 4 | 0.05 | 10 | 0.12 | 15 | 0.07 |
| Red-bellied Woodpecker | | 72 | 0.49 | 141 | 0.73 | 93 | 0.62 | 306 | 0.64 |
| Red-eyed Vireo | FIDS | 204 | 1.49 | 284 | 1.30 | 262 | 1.25 | 750 | 1.32 |
| Red-headed Woodpecker* | | | P | 1 | 0.00 | | P | 1 | 0.00 |
| Red-shouldered hawk | FIDS | 1 | 0.00 | 4 | 0.02 | 12 | 0.10 | 17 | 0.05 |
| Red-winged Blackbird | | 18 | 0.09 | 46 | 0.57 | 45 | 0.65 | 109 | 0.50 |
| Ruby-throated Hummingbird | | 6 | 0.06 | 4 | 0.02 | 8 | 0.04 | 18 | 0.04 |
| Scarlet Tanager* | FIDS | 85 | 0.60 | 77 | 0.33 | 80 | 0.39 | 242 | 0.41 |
| Summer Tanager | | 23 | 0.13 | 22 | 0.07 | 28 | 0.12 | 73 | 0.10 |
| Tufted Titmouse | | 130 | 0.78 | 213 | 1.06 | 131 | 0.72 | 474 | 0.87 |
| Turkey Vulture | | | | 3 | 0.05 | 8 | 0.04 | 11 | 0.04 |
| Veery* | FIDS | 1 | 0.00 | | | | | 1 | 0.00 |
| White-breasted Nuthatch | | 38 | 0.27 | 58 | 0.22 | 32 | 0.16 | 128 | 0.21 |
| White-eyed Vireo | SHRUB | 6 | 0.03 | 17 | 0.16 | 9 | 0.10 | 32 | 0.11 |

| Species | Habitat Specialist | 2017 | | 2018 | | 2019 | | 2017-2019 | |
|-----------------------------------|--------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | Count | Mean | Count | Mean | Count | Mean | Count | Mean |
| Wild turkey | | 4 | 0.02 | 1 | 0.01 | 1 | 0.00 | 6 | 0.01 |
| Willow Flycatcher* | | | | | | 1 | 0.00 | 1 | 0.00 |
| Wood Duck | | | | | | 4 | 0.06 | 4 | 0.02 |
| Wood Thrush* | FIDS | 189 | 1.31 | 198 | 0.83 | 179 | 0.81 | 566 | 0.92 |
| Worm-eating Warbler* | FIDS | 37 | 0.25 | 36 | 0.11 | 53 | 0.15 | 126 | 0.15 |
| Yellow Warbler | | 2 | 0.02 | | | 2 | 0.00 | 4 | 0.01 |
| Yellow-billed Cuckoo | | 12 | 0.06 | 34 | 0.17 | 45 | 0.25 | 91 | 0.18 |
| Yellow-breasted Chat* | | 1 | 0.00 | 3 | 0.01 | 7 | 0.01 | 11 | 0.01 |
| Yellow-throated Vireo* | FIDS | 19 | 0.09 | 27 | 0.14 | 30 | 0.26 | 76 | 0.18 |
| Yellow-throated Warbler | | 12 | 0.05 | 9 | 0.03 | 23 | 0.07 | 44 | 0.05 |
| TOTALS | | 2093 | 13.77 | 2994 | 14.89 | 2742 | 15.51 | 7829 | 14.92 |
| <i># Species</i> | | <i>69</i> | | <i>69</i> | | <i>74</i> | | <i>83</i> | |
| FIDS TOTALS | | 1076 | 7.12 | 1366 | 6.01 | 1275 | 6.28 | 3717 | 6.34 |
| <i># FIDS Species</i> | | <i>20</i> | | <i>18</i> | | <i>19</i> | | <i>21</i> | |
| Proportion FIDS | | 51.4% | | 45.6% | | 46.5% | 0.84 | 47.5% | 3.40 |
| <i>Proportion FIDS Species</i> | | <i>29.0%</i> | | <i>26.1%</i> | | <i>25.7%</i> | | <i>25.3%</i> | |
| SGCN TOTALS | | 855 | 5.53 | 1042 | 4.53 | 980 | 4.83 | 2877 | 4.85 |
| <i># SGCN Species</i> | | <i>21</i> | | <i>18</i> | | <i>19</i> | | <i>24</i> | |
| Proportion SGCN | | 40.9% | | 34.8% | | 35.7% | | 36.7% | |
| <i>Proportion SGCN Species</i> | | <i>30.4%</i> | | <i>26.1%</i> | | <i>25.7%</i> | | <i>28.9%</i> | |
| <i># FIDS and SGCN</i> | | <i>15</i> | | <i>13</i> | | <i>14</i> | | <i>16</i> | |
| <i># FIDS between points only</i> | | <i>0</i> | | <i>0</i> | | <i>0</i> | | <i>0</i> | |
| <i># SGCN b/w points only</i> | | <i>1</i> | | <i>0</i> | | <i>1</i> | | <i>0</i> | |

Single observation (heard singing) of Blackpoll Warbler on 5/24/2018 at Parkers Creek excluded as likely migrant.

Table S2. South River Greenway

Total detections and mean relative abundance (detections/point) of each species observed. Forest Interior Dwelling Birds (FIDS) are denoted in bold font; Species of Greatest Conservation Need (SGCN) are denoted by *. *Count* is the number of detections during 5-minute counts. *Mean* is the mean number of detections per 5-minute count. A mean of P indicates a species that was only detected outside of the 5-minutes count periods.

| Species | Habitat Specialist | 2017 | | 2018 | | 2019 | | 2017-2019 | |
|---------------------------------|--------------------|-------|----------|-------|------|-------|------|-----------|------|
| | | Total | Mean | Total | Mean | Total | Mean | Total | Mean |
| Acadian Flycatcher* | FIDS | 31 | 2.01 | 50 | 3.29 | 32 | 2.08 | 113 | 2.46 |
| American Crow | | 5 | 0.31 | 12 | 0.75 | 5 | 0.31 | 22 | 0.46 |
| American Goldfinch | | 6 | 0.38 | 3 | 0.19 | 6 | 0.38 | 15 | 0.31 |
| American Redstart* | FIDS | | | 1 | 0.07 | | | 1 | 0.02 |
| Black-and-white Warbler* | FIDS | | | 2 | 0.14 | | | 2 | 0.05 |
| Blue Jay | | 3 | 0.21 | 18 | 1.21 | 4 | 0.28 | 25 | 0.56 |
| Blue-gray Gnatcatcher | | 7 | 0.44 | 26 | 1.68 | 10 | 0.65 | 43 | 0.92 |
| Brown Thrasher | | | | 1 | 0.06 | | | 1 | 0.02 |
| Brown-headed Cowbird | | 1 | 0.06 | 17 | 1.09 | 1 | 0.06 | 19 | 0.40 |
| Carolina Chickadee | | 15 | 0.97 | 13 | 0.84 | 13 | 0.83 | 41 | 0.88 |
| Carolina Wren | | 9 | 0.57 | 22 | 1.46 | 16 | 1.07 | 47 | 1.03 |
| Cedar Waxwing | | 1 | 0.06 | 1 | 0.07 | 1 | 0.06 | 3 | 0.07 |
| Chimney Swift* | | | | 6 | 0.38 | 2 | 0.14 | 8 | 0.17 |
| Chipping Sparrow | | | | 1 | 0.06 | | | 1 | 0.02 |
| Common Yellowthroat | | | | 2 | 0.14 | | | 2 | 0.05 |
| Downy Woodpecker | | 8 | 0.54 | 10 | 0.70 | 7 | 0.47 | 25 | 0.57 |
| Eastern Bluebird | | | | 1 | 0.07 | | | 1 | 0.02 |
| Eastern Towhee | SHRUB | 1 | 0.06 | 2 | 0.14 | 1 | 0.06 | 4 | 0.09 |
| Eastern Wood-Pewee | | 30 | 1.95 | 38 | 2.59 | 33 | 2.16 | 101 | 2.23 |
| Gray Catbird | | | | 4 | 0.25 | | | 4 | 0.08 |
| Great Crested Flycatcher | | 2 | 0.13 | 6 | 0.41 | 2 | 0.13 | 10 | 0.22 |
| Hairy Woodpecker | FIDS | | | 1 | 0.07 | | | 1 | 0.02 |
| Hooded Warbler* | FIDS | | | 5 | 0.36 | | | 5 | 0.12 |
| Indigo Bunting | | 1 | 0.06 | 3 | 0.21 | 2 | 0.13 | 6 | 0.13 |
| Kentucky Warbler* | FIDS | 1 | 0.06 | 3 | 0.21 | 1 | 0.06 | 5 | 0.11 |
| Louisiana Waterthrush* | FIDS | 3 | 0.21 | 4 | 0.25 | 2 | 0.13 | 9 | 0.20 |
| Mourning Dove | | 2 | 0.13 | 3 | 0.21 | 2 | 0.13 | 7 | 0.16 |
| Northern Cardinal | | 19 | 1.25 | 26 | 1.72 | 20 | 1.32 | 65 | 1.43 |
| Northern Flicker | | 2 | 0.14 | 2 | 0.13 | 2 | 0.14 | 6 | 0.14 |
| Northern Parula* | FIDS | 4 | 0.26 | 10 | 0.65 | 3 | 0.19 | 17 | 0.37 |
| Ovenbird* | FIDS | 27 | 1.79 | 49 | 3.30 | 35 | 2.37 | 111 | 2.49 |
| Pileated Woodpecker | FIDS | | | 5 | 0.34 | 1 | 0.07 | 6 | 0.14 |
| Red-bellied Woodpecker | | 10 | 0.64 | 19 | 1.24 | 12 | 0.79 | 41 | 0.89 |
| Red-eyed Vireo | FIDS | 42 | 2.79 | 66 | 4.36 | 39 | 2.57 | 147 | 3.24 |
| <i>Red-headed Woodpecker*</i> | | | <i>P</i> | | | | | | |
| Red-winged Blackbird | | 1 | 0.06 | | | 1 | 0.06 | 2 | 0.04 |
| Ruby-throated Hummingbird | | 3 | 0.19 | | | 4 | 0.26 | 7 | 0.15 |

| Species | Habitat Specialist | 2017 | | 2018 | | 2019 | | 2017-2019 | |
|--------------------------------|--------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | Total | Mean | Total | Mean | Total | Mean | Total | Mean |
| Scarlet Tanager* | FIDS | 17 | 1.17 | 20 | 1.36 | 12 | 0.81 | 49 | 1.11 |
| Tufted Titmouse | | 16 | 1.04 | 41 | 2.70 | 13 | 0.83 | 70 | 1.52 |
| White-breasted Nuthatch | | 7 | 0.46 | 9 | 0.59 | 6 | 0.38 | 22 | 0.48 |
| White-eyed Vireo | SHRUB | | | 1 | 0.07 | | | 1 | 0.02 |
| Wild Turkey | | | | 1 | 0.07 | | | 1 | 0.02 |
| Wood Thrush* | FIDS | 32 | 2.18 | 45 | 2.81 | 27 | 1.82 | 104 | 2.27 |
| Worm-eating Warbler* | FIDS | 6 | 0.38 | 9 | 0.61 | 7 | 0.45 | 22 | 0.48 |
| Yellow-billed Cuckoo | | | | 3 | 0.21 | 4 | 0.29 | 7 | 0.17 |
| Yellow-throated Vireo* | FIDS | | | 6 | 0.42 | 4 | 0.29 | 10 | 0.24 |
| TOTALS | | 312 | 20.50 | 567 | 37.47 | 330 | 21.79 | 1209 | 26.59 |
| <i># Species</i> | | 30 | | 43 | | 34 | | 45 | |
| FIDS TOTALS | | 163 | 10.84 | 276 | 18.24 | 163 | 10.84 | 602 | 13.31 |
| <i># FIDS Species</i> | | 9 | | 15 | | 11 | | 15 | |
| Proportion FIDS | | 52.2% | | 48.7% | | 49.4% | | 49.8% | |
| <i>Proportion FIDS Species</i> | | 30.0% | | 34.9% | | 32.4% | | 33.3% | |
| SGCN TOTALS | | 121 | 8.05 | 210 | 13.85 | 125 | 8.34 | 456 | 10.08 |
| <i># SGCN Species</i> | | 8 | | 13 | | 10 | | 13 | |
| Proportion SGCN | | 38.8% | | 37.0% | | 37.9% | | 37.7% | |
| <i>Proportion SGCN Species</i> | | 26.7% | | 30.2% | | 29.4% | | 28.9% | |
| <i># FIDS and SGCN</i> | | 8 | | 12 | | 9 | | 12 | |

Table S3. Parkers Creek

Total detections and mean relative abundance (detections/point) of each species observed. Forest Interior Dwelling Birds (FIDS) are denoted in bold font; Species of Greatest Conservation Need (SGCN) are denoted by *. *Count* is the number of detections during 5-minute counts. *Mean* is the mean number of detections per 5-minute count. A mean of P indicates a species that was only detected outside of the 5-minutes count periods.

| Species | Habitat Specialist | 2017 | | 2018 | | 2019 | | 2017-2019 | |
|---------------------------------|--------------------|-------|-------|-------|-------|-------|-------|-----------|-------|
| | | Total | Mean | Total | Mean | Total | Mean | Total | Mean |
| Acadian Flycatcher* | FIDS | 198 | 14.38 | 213 | 13.49 | 181 | 10.21 | 592 | 12.69 |
| American Crow | | 71 | 5.68 | 39 | 2.56 | 45 | 2.63 | 155 | 3.62 |
| American Goldfinch | | 33 | 1.96 | 18 | 1.11 | 5 | 0.27 | 56 | 1.11 |
| American Redstart* | FIDS | 6 | 0.40 | 4 | 0.23 | 1 | 0.06 | 11 | 0.23 |
| American Robin | | 4 | 0.25 | 7 | 0.44 | 7 | 0.38 | 18 | 0.35 |
| Bald Eagle* | | 1 | 0.06 | | | | | 1 | 0.02 |
| Baltimore Oriole | | 1 | 0.06 | | | | | 1 | 0.02 |
| Barred Owl | FIDS | 1 | 0.06 | | | 1 | 0.06 | 2 | 0.04 |
| Belted Kingfisher | | 1 | 0.06 | | | | | 1 | 0.02 |
| Black-and-white Warbler* | FIDS | 1 | 0.06 | 4 | 0.24 | | | 5 | 0.10 |
| Blackpoll Warbler | | | | 1 | 0.06 | | | 1 | 0.02 |
| Blue Grosbeak | | 2 | 0.12 | 6 | 0.33 | | | 8 | 0.15 |
| Blue Jay | | 24 | 1.79 | 31 | 2.06 | 35 | 2.12 | 90 | 1.99 |
| Blue-gray Gnatcatcher | | 19 | 1.60 | 14 | 0.93 | 29 | 1.58 | 62 | 1.37 |
| Brown Creeper* | FIDS | | | | | 1 | 0.06 | 1 | 0.02 |
| Brown Thrasher | | 3 | 0.38 | 3 | 0.17 | 3 | 0.16 | 9 | 0.24 |
| Brown-headed Cowbird | | 13 | 0.82 | 35 | 2.08 | 16 | 0.95 | 64 | 1.28 |
| Carolina Chickadee | | 22 | 1.61 | 28 | 1.72 | 19 | 1.03 | 69 | 1.45 |
| Carolina Chickadee | | | | 1 | 0.06 | | | 1 | 0.02 |
| Carolina Wren | | 36 | 2.67 | 58 | 3.85 | 56 | 3.36 | 150 | 3.29 |
| Cedar Waxwing | | | | | | 6 | 0.35 | 6 | 0.12 |
| Cerulean Warbler* | FIDS | 1 | 0.06 | | | | | 1 | 0.02 |
| Chimney Swift* | | 4 | 0.22 | 2 | 0.13 | 7 | 0.41 | 13 | 0.25 |
| Chipping Sparrow | | 8 | 0.47 | 3 | 0.19 | 1 | 0.06 | 12 | 0.24 |
| Common Grackle | | 5 | 0.56 | 3 | 0.18 | 7 | 0.44 | 15 | 0.39 |
| Common Yellowthroat | | 18 | 1.18 | 13 | 0.77 | 10 | 0.46 | 41 | 0.80 |
| Downy Woodpecker | | 25 | 1.73 | 20 | 1.22 | 16 | 0.97 | 61 | 1.31 |
| Eastern Bluebird | | 1 | 0.06 | 4 | 0.25 | 1 | 0.06 | 6 | 0.12 |
| Eastern Kingbird | | 2 | 0.11 | 2 | 0.11 | 2 | 0.07 | 6 | 0.10 |
| Eastern Towhee | SHRUB | 6 | 0.41 | 4 | 0.23 | 4 | 0.22 | 14 | 0.29 |
| Eastern Wood-Pewee | | 97 | 6.99 | 79 | 5.11 | 91 | 5.20 | 267 | 5.77 |
| Field sparrow | | 7 | 0.39 | 11 | 0.61 | 6 | 0.22 | 24 | 0.41 |
| Fish Crow | | | | 3 | 0.25 | 1 | 0.06 | 4 | 0.10 |
| Gray Catbird | | 7 | 0.42 | 3 | 0.19 | 5 | 0.30 | 15 | 0.30 |

| Species | Habitat Specialist | 2017 | | 2018 | | 2019 | | 2017-2019 | |
|-------------------------------|--------------------|-------|-------|----------|-------|-------|------|-----------|-------|
| | | Total | Mean | Total | Mean | Total | Mean | Total | Mean |
| Great Blue Heron* | | 3 | 0.17 | | | | | 3 | 0.06 |
| Great Crested Flycatcher | | 16 | 1.45 | 20 | 1.25 | 26 | 1.49 | 62 | 1.40 |
| Hairy Woodpecker | FIDS | 3 | 0.25 | 6 | 0.35 | 9 | 0.53 | 18 | 0.38 |
| Hooded Warbler* | FIDS | 33 | 2.66 | 33 | 2.37 | 32 | 1.94 | 98 | 2.32 |
| House Finch | | | | | | 1 | 0.06 | 1 | 0.02 |
| House Wren | | | | 2 | 0.13 | | | 2 | 0.04 |
| Indigo Bunting | | 19 | 1.31 | 17 | 1.00 | 10 | 0.47 | 46 | 0.93 |
| Kentucky Warbler* | FIDS | 10 | 1.04 | 20 | 1.22 | 16 | 0.88 | 46 | 1.05 |
| Louisiana Waterthrush* | FIDS | 21 | 1.84 | 27 | 1.76 | 22 | 1.29 | 70 | 1.63 |
| Marsh Wren* | | 1 | 0.06 | | | | | 1 | 0.02 |
| Mourning Dove | | 56 | 3.97 | 40 | 2.56 | 35 | 1.86 | 131 | 2.80 |
| Northern Cardinal | | 62 | 4.41 | 86 | 5.17 | 75 | 4.32 | 223 | 4.64 |
| Northern Flicker | | 3 | 0.17 | 2 | 0.13 | 3 | 0.19 | 8 | 0.16 |
| Northern Mockingbird | | 1 | 0.13 | | | 1 | 0.06 | 2 | 0.06 |
| Northern Parula* | FIDS | 59 | 4.06 | 43 | 2.77 | 49 | 2.63 | 151 | 3.15 |
| Orchard Oriole | | 1 | 0.06 | 8 | 0.44 | 4 | 0.15 | 13 | 0.22 |
| Osprey | | 1 | 0.06 | 1 | 0.06 | | | 2 | 0.04 |
| Ovenbird* | FIDS | 116 | 7.62 | 117 | 7.24 | 103 | 5.54 | 336 | 6.80 |
| Pileated Woodpecker | FIDS | 24 | 1.68 | 25 | 1.44 | 20 | 1.15 | 69 | 1.43 |
| Pine Warbler | | 6 | 0.33 | 4 | 0.22 | 4 | 0.22 | 14 | 0.26 |
| Prairie Warbler* | | 2 | 0.11 | | | | | 2 | 0.04 |
| Prothonotary Warbler* | FIDS | 1 | 0.06 | <i>P</i> | | 1 | 0.06 | 2 | 0.04 |
| Red-bellied Woodpecker | | 62 | 4.98 | 72 | 5.39 | 42 | 4.30 | 176 | 4.89 |
| Red-eyed Vireo | FIDS | 162 | 11.97 | 168 | 10.81 | 173 | 9.82 | 503 | 10.87 |
| Red-headed Woodpecker* | | | | 1 | 0.06 | | | 1 | 0.02 |
| Red-shouldered hawk | FIDS | 1 | 0.06 | 2 | 0.13 | 1 | 0.06 | 4 | 0.08 |
| Red-winged Blackbird | | 17 | 1.03 | 13 | 0.75 | 7 | 0.42 | 37 | 0.73 |
| Ruby-throated Hummingbird | | 3 | 0.25 | 3 | 0.17 | 4 | 0.23 | 10 | 0.22 |
| Scarlet Tanager* | FIDS | 68 | 4.58 | 46 | 2.87 | 54 | 2.88 | 168 | 3.44 |
| Summer Tanager | | 23 | 1.85 | 19 | 1.28 | 24 | 1.40 | 66 | 1.51 |
| Tufted Titmouse | | 114 | 7.78 | 121 | 7.92 | 77 | 4.35 | 312 | 6.68 |
| Turkey Vulture | | | | | | 6 | 0.22 | 6 | 0.07 |
| Veery* | FIDS | 1 | 0.06 | | | | | 1 | 0.02 |
| White-breasted Nuthatch | | 31 | 2.27 | 40 | 2.53 | 18 | 1.03 | 89 | 1.94 |
| White-eyed Vireo | SHRUB | 6 | 0.42 | | | 1 | 0.06 | 7 | 0.16 |
| Wild Turkey | | 4 | 0.28 | | | 1 | 0.06 | 5 | 0.11 |
| Willow Flycatcher* | | | | | | 1 | 0.04 | 1 | 0.01 |
| Wood Thrush* | FIDS | 157 | 11.28 | 129 | 8.37 | 121 | 6.69 | 407 | 8.78 |
| Worm-eating Warbler* | FIDS | 31 | 2.24 | 27 | 1.81 | 46 | 2.59 | 104 | 2.21 |

| Species | Habitat Specialist | 2017 | | 2018 | | 2019 | | 2017-2019 | |
|---------------------------------|--------------------|--------------|---------------|--------------|---------------|--------------|--------------|--------------|---------------|
| | | Total | Mean | Total | Mean | Total | Mean | Total | Mean |
| Yellow Warbler | | 2 | 0.25 | | | 2 | 0.13 | 4 | 0.13 |
| Yellow-billed Cuckoo | | 12 | 0.84 | 22 | 1.29 | 27 | 1.51 | 61 | 1.22 |
| Yellow-breasted Chat* | | 1 | 0.06 | 3 | 0.18 | 7 | 0.28 | 11 | 0.17 |
| Yellow-throated Vireo* | FIDS | 19 | 1.39 | 17 | 1.17 | 14 | 0.84 | 50 | 1.13 |
| Yellow-throated Warbler | | 12 | 0.70 | 7 | 0.47 | 21 | 0.97 | 40 | 0.71 |
| TOTALS | | 1781 | 128.24 | 1750 | 111.83 | 1614 | 92.45 | 5145 | 110.84 |
| <i># Species</i> | | 68 | | 60 | | 63 | | 78 | |
| FIDS TOTALS | | 913 | 65.73 | 881 | 56.25 | 845 | 47.30 | 2639 | 56.43 |
| <i># FIDS Species</i> | | 20 | | 16 | | 18 | | 21 | |
| Proportion FIDS | | 51.3% | | 50.3% | | 52.4% | | 0.51 | |
| <i>Proportion FIDS Species</i> | | <i>29.4%</i> | | <i>26.7%</i> | | <i>28.6%</i> | | <i>0.27</i> | |
| SGCN TOTALS | | 734 | 52.39 | 686 | 43.89 | 656 | 36.42 | 2076 | 44.23 |
| <i># SGCN Species</i> | | 21 | | 15 | | 16 | | 24 | |
| Proportion SGCN | | 41.2% | | 39.2% | | 40.6% | | 40.3% | |
| <i>Proportion SGCN Species</i> | | <i>30.9%</i> | | <i>25.0%</i> | | <i>25.4%</i> | | <i>30.8%</i> | |
| <i># FIDS and SGCN</i> | | 15 | | 12 | | 13 | | 16 | |
| <i>FIDS between points only</i> | | 0 | | 0 | | 0 | | 0 | |

Table S4. Chapman State Park

Total detections and mean relative abundance (detections/point) of each species observed. Forest Interior Dwelling Birds (FIDS) are denoted in bold font; Species of Greatest Conservation Need (SGCN) are denoted by *. *Count* is the number of detections during 5-minute counts. *Mean* is the mean number of detections per 5-minute count. A mean of P indicates a species that was only detected outside of the 5-minutes count periods.

| Species | Habitat Specialist | 2018 | | 2019 | | 2018-2019 | |
|-------------------------------|--------------------|-------|------|-------|------|-----------|------|
| | | Total | Mean | Total | Mean | Total | Mean |
| Acadian Flycatcher* | FIDS | 16 | 1.14 | 23 | 1.64 | 39 | 1.39 |
| American Crow | | 7 | 0.50 | 6 | 0.43 | 13 | 0.46 |
| American Goldfinch | | 2 | 0.14 | | | 2 | 0.07 |
| Bald Eagle* | | 5 | 0.36 | 4 | 0.29 | 9 | 0.32 |
| Baltimore Oriole | | 2 | 0.14 | | | 2 | 0.07 |
| Black Vulture | | 1 | 0.07 | | | 1 | 0.04 |
| Blue Jay | | 5 | 0.36 | 6 | 0.43 | 11 | 0.39 |
| Blue-gray Gnatcatcher | | 2 | 0.14 | 5 | 0.36 | 7 | 0.25 |
| Brown-headed Cowbird | | 2 | 0.14 | 2 | 0.14 | 4 | 0.14 |
| Canada Goose | | | | 20 | 1.43 | 20 | 0.71 |
| Carolina Chickadee | | 2 | 0.14 | 7 | 0.50 | 9 | 0.32 |
| Carolina Wren | | 16 | 1.14 | 19 | 1.36 | 35 | 1.25 |
| Chipping Sparrow | | 1 | 0.07 | 1 | 0.07 | 2 | 0.07 |
| Common Grackle | | | | 5 | 0.36 | 5 | 0.18 |
| Common Yellowthroat | | 1 | 0.07 | | | 1 | 0.04 |
| Downy Woodpecker | | 5 | 0.36 | 2 | 0.14 | 7 | 0.25 |
| Eastern Bluebird | | 2 | 0.14 | | | 2 | 0.07 |
| Eastern Kingbird | | | | 4 | 0.29 | 4 | 0.14 |
| Eastern Phoebe | | | | 1 | 0.07 | 1 | 0.04 |
| Eastern Towhee | SHRUB | | | 1 | 0.07 | 1 | 0.04 |
| Eastern Wood-Pewee | | 6 | 0.43 | 10 | 0.71 | 16 | 0.57 |
| Great Blue Heron* | | | | 2 | 0.14 | 2 | 0.07 |
| Great Crested Flycatcher | | 5 | 0.36 | 5 | 0.36 | 10 | 0.36 |
| Hairy Woodpecker | FIDS | 4 | 0.29 | 6 | 0.43 | 10 | 0.36 |
| Hooded Warbler* | FIDS | 3 | 0.21 | 3 | 0.21 | 6 | 0.21 |
| Indigo Bunting | | 5 | 0.36 | 3 | 0.21 | 8 | 0.29 |
| Kentucky Warbler* | FIDS | | | 1 | 0.07 | 1 | 0.04 |
| Louisiana Waterthrush* | FIDS | 5 | 0.36 | 5 | 0.36 | 10 | 0.36 |
| Mourning Dove | | 1 | 0.07 | 2 | 0.14 | 3 | 0.11 |
| Northern Cardinal | | 7 | 0.50 | 6 | 0.43 | 13 | 0.46 |
| Northern Parula* | FIDS | 10 | 0.71 | 12 | 0.86 | 22 | 0.79 |
| Orchard Oriole | | | | 2 | 0.14 | 2 | 0.07 |
| Osprey | | 4 | 0.29 | 8 | 0.57 | 12 | 0.43 |

| Species | Habitat Specialist | 2018 | | 2019 | | 2018-2019 | |
|---------------------------------|--------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | Total | Mean | Total | Mean | Total | Mean |
| Ovenbird* | FIDS | 4 | 0.29 | 7 | 0.50 | 11 | 0.39 |
| Pileated Woodpecker | FIDS | 4 | 0.29 | 1 | 0.07 | 5 | 0.18 |
| Prothonotary Warbler* | FIDS | 2 | 0.14 | 4 | 0.29 | 6 | 0.21 |
| Red-bellied Woodpecker | | 14 | 1.00 | 11 | 0.79 | 25 | 0.89 |
| Red-eyed Vireo | FIDS | 16 | 1.14 | 17 | 1.21 | 33 | 1.18 |
| Red-shouldered Hawk | FIDS | | | 1 | 0.07 | 1 | 0.04 |
| Red-winged Blackbird | | 28 | 2.00 | 33 | 2.36 | 61 | 2.18 |
| Ruby-throated Hummingbird | | 1 | 0.07 | | | 1 | 0.04 |
| Scarlet Tanager* | FIDS | 3 | 0.21 | 7 | 0.50 | 10 | 0.36 |
| Summer Tanager | | | | 4 | 0.29 | 4 | 0.14 |
| Tufted Titmouse | | 15 | 1.07 | 13 | 0.93 | 28 | 1.00 |
| Turkey Vulture | | 3 | 0.21 | 2 | 0.14 | 5 | 0.18 |
| White-breasted Nuthatch | | 1 | 0.07 | 1 | 0.07 | 2 | 0.07 |
| White-eyed Vireo | SHRUB | 2 | 0.14 | 3 | 0.21 | 5 | 0.18 |
| Wood Duck | | | | 3 | 0.21 | 3 | 0.11 |
| Wood Thrush* | FIDS | 10 | 0.71 | 9 | 0.64 | 19 | 0.68 |
| Yellow-billed Cuckoo | | 3 | 0.21 | 5 | 0.36 | 8 | 0.29 |
| Yellow-throated Vireo* | FIDS | 3 | 0.21 | 10 | 0.71 | 13 | 0.46 |
| Yellow-throated Warbler | | | | 2 | 0.14 | 2 | 0.07 |
| TOTALS | | 228 | 16.29 | 304 | 21.71 | 532 | 19.00 |
| <i># Species</i> | | 40 | | 46 | | 52 | |
| FIDS TOTALS | | 80 | 5.71 | 106 | 7.57 | 186 | 6.64 |
| <i># FIDS Species</i> | | 12 | | 14 | | 14 | |
| Proportion FIDS | | 35.1% | | 34.9% | 0.84 | 0.35 | 3.40 |
| <i>Proportion FIDS Species</i> | | 30.0% | | 30.4% | | 0.27 | |
| SGCN TOTALS | | 61 | 4.36 | 87 | 6.21 | 148 | 5.29 |
| <i># SGCN Species</i> | | 10 | | 12 | | 12 | |
| Proportion SGCN | | 26.8% | | 28.6% | | 27.8% | |
| <i>Proportion SGCN Species</i> | | 25.0% | | 26.1% | | 23.1% | |
| <i># FIDS and SGCN</i> | | 9 | | 10 | | 10 | |
| <i>FIDS between points only</i> | | 0 | | 0 | | 0 | |

Table S5. Mattawoman Creek

Total detections and mean relative abundance (detections/point) of each species observed. Forest Interior Dwelling Birds (FIDS) are denoted in bold font; Species of Greatest Conservation Need (SGCN) are denoted by *. *Count* is the number of detections during 5-minute counts. *Mean* is the mean number of detections per 5-minute count. A mean of P indicates a species that was only detected outside of the 5-minutes count periods.

| Species | Habitat Specialist | 2018 | | 2019 | | Both | |
|---------------------------------|--------------------|-------|----------|-------|------|-------|----------|
| | | Total | Mean | Total | Mean | Total | Mean |
| Acadian Flycatcher* | FIDS | 27 | 0.90 | 40 | 1.33 | 67 | 1.12 |
| American Crow | | 18 | 0.60 | 22 | 0.73 | 40 | 0.67 |
| American Goldfinch | | 14 | 0.47 | 6 | 0.20 | 20 | 0.33 |
| American Redstart* | FIDS | 1 | 0.03 | | | 1 | 0.02 |
| Barred Owl | FIDS | 1 | 0.03 | | | 1 | 0.02 |
| Belted Kingfisher | | | | 2 | 0.07 | 2 | 0.03 |
| Black-and-white Warbler* | FIDS | 1 | 0.03 | 2 | 0.07 | 3 | 0.05 |
| Blue Jay | | 5 | 0.17 | 5 | 0.17 | 10 | 0.17 |
| Blue-gray Gnatcatcher | | 22 | 0.73 | 34 | 1.13 | 56 | 0.93 |
| Brown-headed Cowbird | | 6 | 0.20 | 3 | 0.10 | 9 | 0.15 |
| Canada Goose | | 1 | 0.03 | 3 | 0.10 | 4 | 0.07 |
| Carolina Chickadee | | 12 | 0.40 | 15 | 0.50 | 27 | 0.45 |
| Carolina Wren | | 35 | 1.17 | 38 | 1.27 | 73 | 1.22 |
| Chimney Swift* | | 1 | 0.03 | 4 | 0.13 | 5 | 0.08 |
| Common Grackle | | 4 | 0.13 | 5 | 0.17 | 9 | 0.15 |
| Common Yellowthroat | | 2 | 0.07 | 8 | 0.27 | 10 | 0.17 |
| Downy Woodpecker | | 10 | 0.33 | 11 | 0.37 | 21 | 0.35 |
| Eastern Bluebird | | | | 7 | 0.23 | 7 | 0.12 |
| Eastern Phoebe | | | | 1 | 0.03 | 1 | 0.02 |
| Eastern Towhee | SHRUB | 1 | 0.03 | | | 1 | 0.02 |
| Eastern Wood-Pewee | | 17 | 0.57 | 18 | 0.60 | 35 | 0.58 |
| European Starling | | | | 1 | 0.03 | 1 | 0.02 |
| Fish Crow | | | | 4 | 0.13 | 4 | 0.07 |
| Gray Catbird | | 1 | 0.03 | 3 | 0.10 | 4 | 0.07 |
| Great Blue Heron* | | 1 | 0.03 | 1 | 0.03 | 2 | 0.03 |
| Great Crested Flycatcher | | 10 | 0.33 | 7 | 0.23 | 17 | 0.28 |
| Green Heron | | | | 3 | 0.10 | 3 | 0.05 |
| Hairy Woodpecker | FIDS | | | 2 | 0.07 | 2 | 0.03 |
| Hooded Warbler* | FIDS | | <i>P</i> | | | | <i>P</i> |
| Indigo Bunting | | 4 | 0.13 | 7 | 0.23 | 11 | 0.18 |
| Kentucky Warbler* | FIDS | 2 | 0.07 | | | 2 | 0.03 |
| Louisiana Waterthrush* | FIDS | 1 | 0.03 | 3 | 0.10 | 4 | 0.07 |

| Species | Habitat Specialist | 2018 | | 2019 | | Both | |
|---------------------------------|--------------------|------------|--------------|------------|--------------|------------|--------------|
| | | Total | Mean | Total | Mean | Total | Mean |
| Mallard | | | | 2 | 0.07 | 2 | 0.03 |
| Mourning Dove | | 7 | 0.23 | 3 | 0.10 | 10 | 0.17 |
| Northern Cardinal | | 37 | 1.23 | 38 | 1.27 | 75 | 1.25 |
| Northern Flicker | | 1 | 0.03 | | | 1 | 0.02 |
| Northern Mockingbird | | 1 | 0.03 | | | 1 | 0.02 |
| Northern Parula* | FIDS | 17 | 0.57 | 22 | 0.73 | 39 | 0.65 |
| Ovenbird* | FIDS | 9 | 0.30 | 4 | 0.13 | 13 | 0.22 |
| Pileated Woodpecker | FIDS | 9 | 0.30 | 9 | 0.30 | 18 | 0.30 |
| Pine Warbler | | 2 | 0.07 | 1 | 0.03 | 3 | 0.05 |
| Prothonotary Warbler* | FIDS | 2 | 0.07 | 5 | 0.17 | 7 | 0.12 |
| Red-bellied Woodpecker | | 23 | 0.77 | 28 | 0.93 | 51 | 0.85 |
| Red-eyed Vireo | FIDS | 34 | 1.13 | 33 | 1.10 | 67 | 1.12 |
| <i>Red-headed Woodpecker*</i> | | | <i>P</i> | | | | <i>P</i> |
| Red-shouldered Hawk | FIDS | 2 | 0.07 | 10 | 0.33 | 12 | 0.20 |
| Red-winged Blackbird | | 5 | 0.17 | 4 | 0.13 | 9 | 0.15 |
| Scarlet Tanager* | FIDS | 8 | 0.27 | 7 | 0.23 | 15 | 0.25 |
| Summer Tanager | | 3 | 0.10 | | <i>P</i> | 3 | 0.05 |
| Tufted Titmouse | | 36 | 1.20 | 28 | 0.93 | 64 | 1.07 |
| White-breasted Nuthatch | | 8 | 0.27 | 7 | 0.23 | 15 | 0.25 |
| White-eyed Vireo | SHRUB | 14 | 0.47 | 5 | 0.17 | 19 | 0.32 |
| Wood Duck | | | | 1 | 0.03 | 1 | 0.02 |
| Wood Thrush* | FIDS | 14 | 0.47 | 22 | 0.73 | 36 | 0.60 |
| Worm-eating Warbler* | FIDS | | <i>P</i> | | | | <i>P</i> |
| Yellow-billed Cuckoo | | 6 | 0.20 | 9 | 0.30 | 15 | 0.25 |
| Yellow-throated Vireo* | FIDS | 1 | 0.03 | 2 | 0.07 | 3 | 0.05 |
| Yellow-throated Warbler | | 2 | 0.07 | | | 2 | 0.03 |
| TOTALS | | 438 | 14.60 | 495 | 16.50 | 933 | 15.55 |
| <i># Species</i> | | 46 | | 47 | | 55 | |
| FIDS TOTALS | | 129 | 4.30 | 161 | 5.37 | 290 | 4.83 |
| <i># FIDS Species</i> | | 15 | | 13 | | 16 | |
| SGCN TOTALS | | 85 | 2.83 | 112 | 3.73 | 197 | 3.28 |
| <i># SGCN Species</i> | | 13 | | 11 | | 13 | |
| <i>FIDS between points only</i> | | 2 | | 0 | | 2 | |

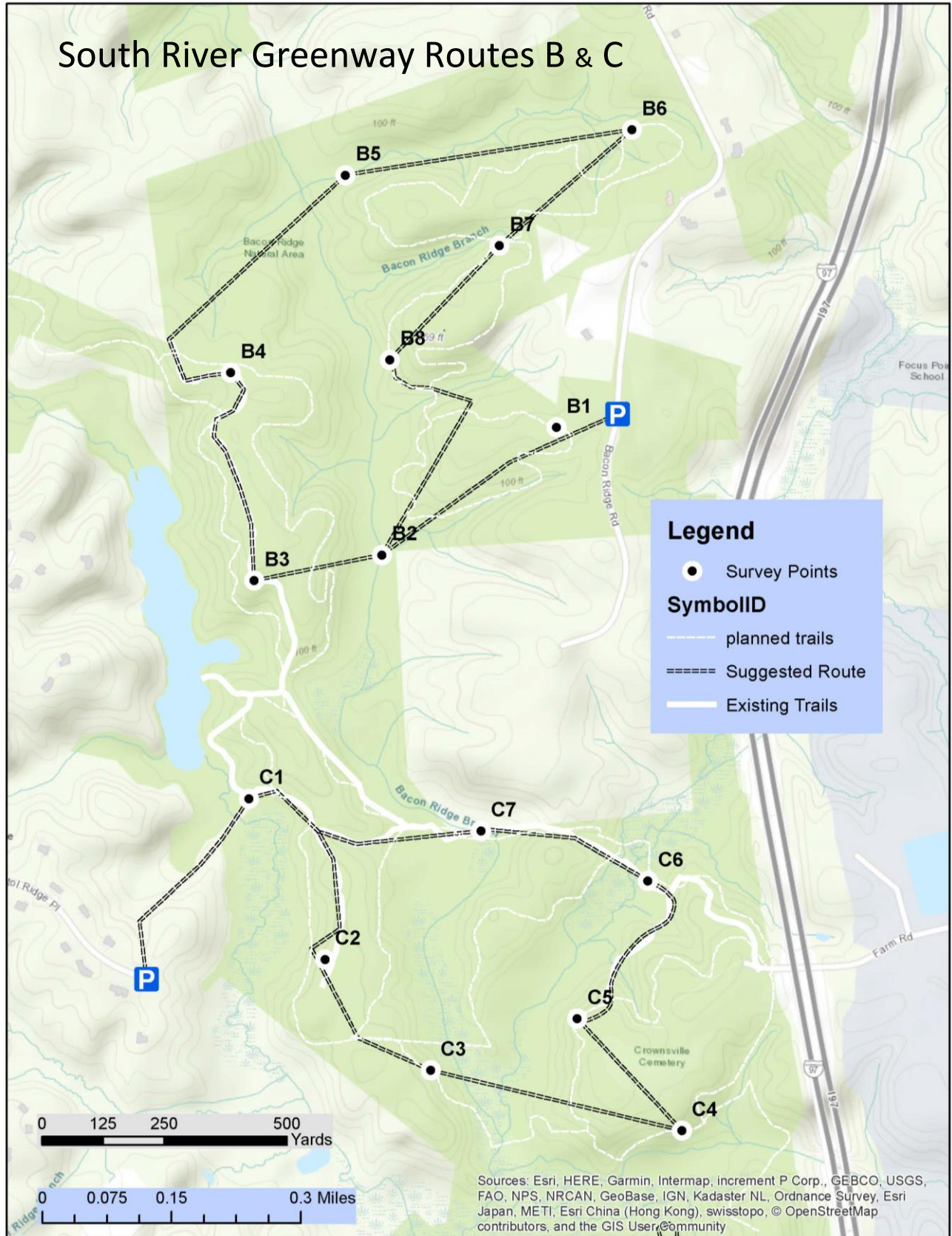
Table S6. Parkers Creek MARSH

Total detections and mean relative abundance (detections/point) of each species observed at 5 survey points in open marsh habitat at Parkers Creek IBA in 2017 and 2018. Each point was surveyed twice. Forest Interior Dwelling Birds (FIDS) are denoted in bold font; Species of Greatest Conservation Need (SGCN) are denoted by *. *Count* is the number of detections during 5-minute counts. *Mean* is the mean number of detections per 5-minute count. Marsh specialist birds as defined by Maryland-DC Important Bird Areas Program Criteria for site selection; available online at <http://md.audubon.org/conservation/important-bird-areas-0>

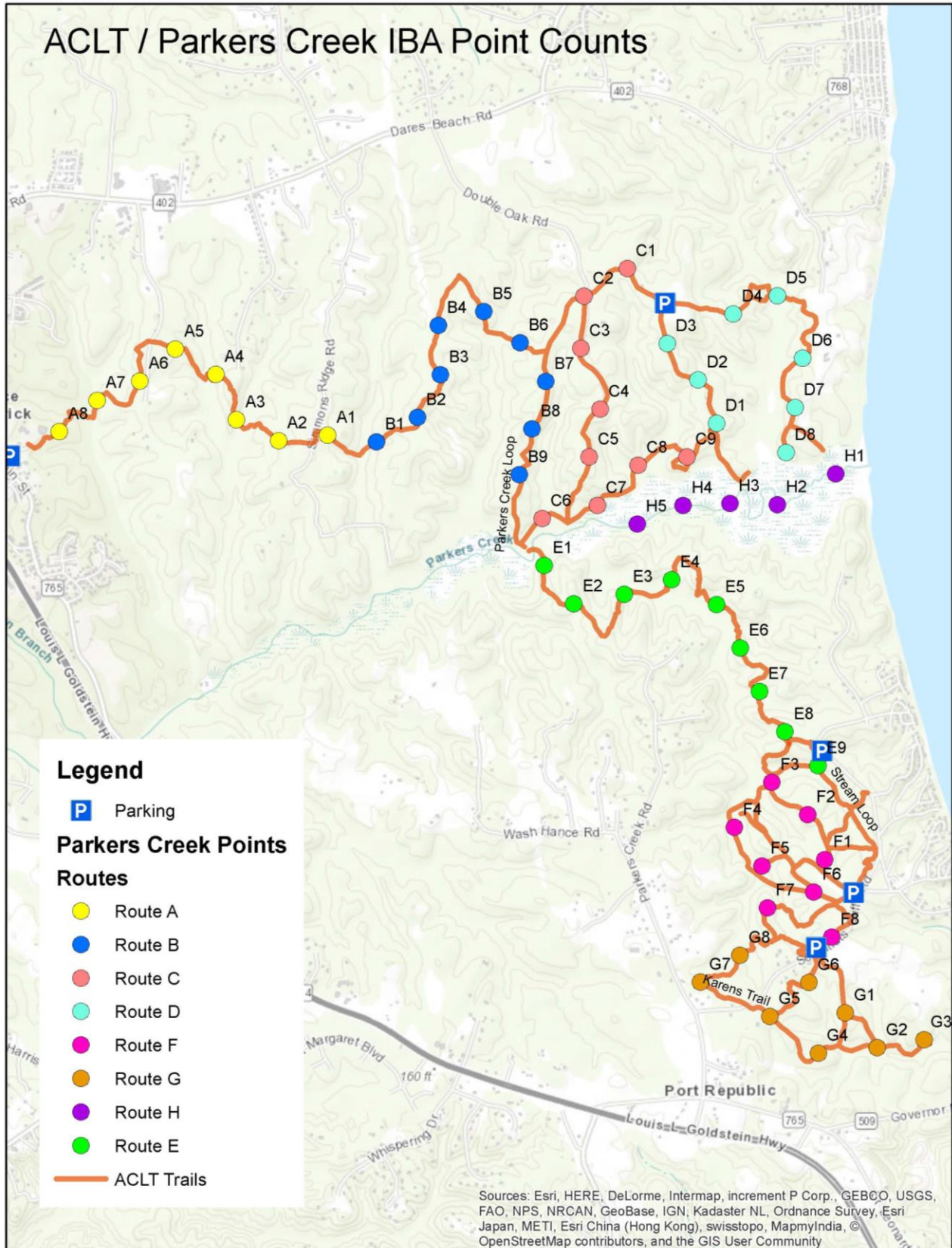
| Species | Habitat Specialist | 2017 | | 2018 | | 2017 & 2018 | |
|-------------------------------|--------------------|-------|------|-------|------|-------------|------|
| | | Total | Mean | Total | Mean | Total | Mean |
| Acadian Flycatcher* | FIDS | 5 | 0.50 | 2 | 0.20 | 7 | 0.35 |
| American Crow | | 12 | 1.20 | 11 | 1.10 | 23 | 1.15 |
| American Goldfinch | | | | 1 | 0.10 | 1 | 0.05 |
| Bald Eagle* | | | | 3 | 0.30 | 3 | 0.15 |
| Barn Swallow | | 2 | 0.20 | 1 | 0.10 | 3 | 0.15 |
| Belted Kingfisher | | 2 | 0.20 | | | 2 | 0.10 |
| Blue Grosbeak | | 1 | 0.10 | 2 | 0.20 | 3 | 0.15 |
| Blue Jay | | 12 | 1.20 | 7 | 0.70 | 19 | 0.95 |
| Brown-headed Cowbird | | | | 2 | 0.20 | 2 | 0.10 |
| Canada Goose | | 3 | 0.30 | 12 | 1.20 | 15 | 0.75 |
| Carolina Chickadee | | | | 1 | 0.10 | 1 | 0.05 |
| Carolina Wren | | 7 | 0.70 | 7 | 0.70 | 14 | 0.70 |
| Chimney Swift* | | | | 2 | 0.20 | 2 | 0.10 |
| Common Grackle | | 2 | 0.20 | | | 2 | 0.10 |
| Common Yellowthroat | | 22 | 2.20 | 23 | 2.30 | 45 | 2.25 |
| CROW SP | | | | 3 | 0.30 | 3 | 0.15 |
| Eastern Wood-Pewee | | 6 | 0.60 | 3 | 0.30 | 9 | 0.45 |
| Great Blue Heron* | | 3 | 0.30 | | | 3 | 0.15 |
| Great Crested Flycatcher | | 2 | 0.20 | 2 | 0.20 | 4 | 0.20 |
| Indigo Bunting | | 1 | 0.10 | 3 | 0.30 | 4 | 0.20 |
| Louisiana Waterthrush* | FIDS | | | 2 | 0.20 | 2 | 0.10 |
| Marsh Wren* | MARSH | 3 | 0.30 | 5 | 0.50 | 8 | 0.40 |
| Mourning Dove | | 9 | 0.90 | 3 | 0.30 | 12 | 0.60 |
| Northern Cardinal | | 7 | 0.70 | 9 | 0.90 | 16 | 0.80 |
| Northern Parula* | FIDS | | | 2 | 0.20 | 2 | 0.10 |
| Northern Rough-winged Swallow | | 2 | 0.20 | 6 | 0.60 | 8 | 0.40 |
| Orchard Oriole | | | | 1 | 0.10 | 1 | 0.05 |
| Osprey | | 1 | 0.10 | 4 | 0.40 | 5 | 0.25 |
| Ovenbird* | FIDS | 1 | 0.10 | 2 | 0.20 | 3 | 0.15 |
| Pileated Woodpecker | FIDS | 1 | 0.10 | 7 | 0.70 | 8 | 0.40 |
| Red-bellied Woodpecker | | 7 | 0.70 | 8 | 0.80 | 15 | 0.75 |

| Species | Habitat Specialist | 2017 | | 2018 | | 2017 & 2018 | |
|---------------------------------|--------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | Total | Mean | Total | Mean | Total | Mean |
| Red-eyed Vireo | FIDS | 7 | 0.70 | 5 | 0.50 | 12 | 0.60 |
| Red-shouldered Hawk | FIDS | | | 2 | 0.20 | 2 | 0.10 |
| Red-winged Blackbird | | 45 | 4.50 | 41 | 4.10 | 86 | 4.30 |
| Ruby-throated Hummingbird | | 1 | 0.10 | | | 1 | 0.05 |
| Scarlet Tanager* | FIDS | 4 | 0.40 | 5 | 0.50 | 9 | 0.45 |
| Summer Tanager | | | | 2 | 0.20 | 2 | 0.10 |
| Tree Swallow | | 1 | 0.10 | | | 1 | 0.05 |
| Tufted Titmouse | | 9 | 0.90 | 10 | 1.00 | 19 | 0.95 |
| White-eyed Vireo | SHRUB | 4 | 0.40 | 5 | 0.50 | 9 | 0.45 |
| Wild Turkey | | 5 | 0.50 | | | 5 | 0.25 |
| Wood Duck | | | | 3 | 0.30 | 3 | 0.15 |
| Wood Thrush* | FIDS | 8 | 0.80 | 6 | 0.60 | 14 | 0.70 |
| Yellow-billed Cuckoo | | 1 | 0.10 | | | 1 | 0.05 |
| Yellow-throated Vireo* | FIDS | 5 | 0.50 | 1 | 0.10 | 6 | 0.30 |
| TOTALS | | 201 | 20.10 | 214 | 21.40 | 415 | 20.75 |
| <i># Species</i> | | 33 | | 38 | | 45 | |
| Marsh TOTALS | | 3 | 0.30 | 5 | 0.50 | 8 | 0.40 |
| <i># Marsh Species</i> | | 1 | | 1 | | 1 | |
| Proportion Marsh | | 1.5% | | 2.3% | | 1.9% | |
| <i>Proportion Marsh Species</i> | | 3.0% | | 2.6% | | 2.2% | |
| SGCN TOTALS | | 29 | 2.90 | 30 | 3.00 | 59 | 2.95 |
| <i># SGCN Species</i> | | 7 | | 10 | | 11 | |
| Proportion SGCN | | 14.4% | | 14.0% | | 14.2% | |
| <i>Proportion SGCN Species</i> | | 21.2% | | 26.3% | | 24.4% | |
| <i># Marsh and SGCN</i> | | 1 | | 1 | | 1 | |

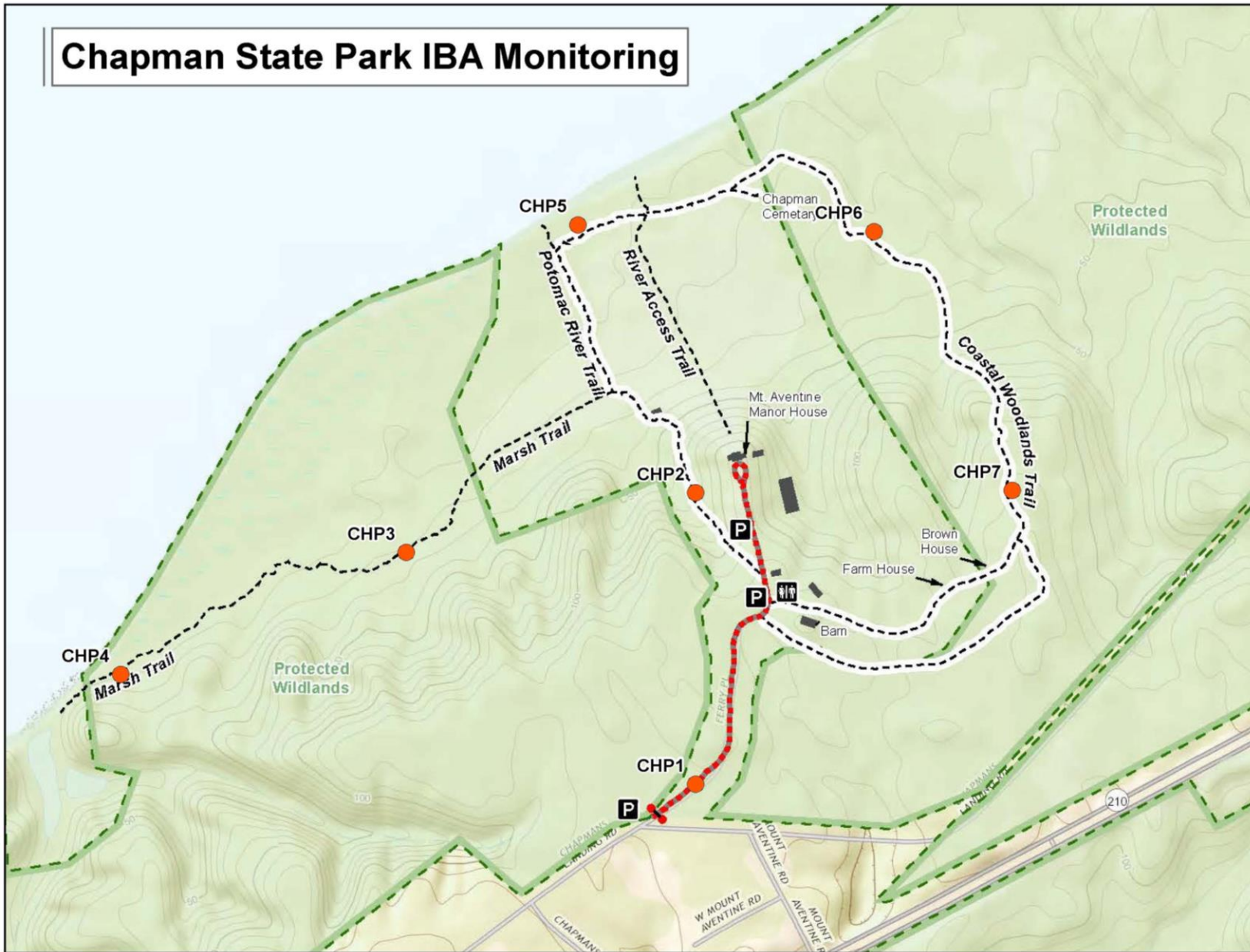
South River Greenway Routes B & C



Map S2. Parkers Creek IBA survey route maps



Map S3. Chapman State Park IBA survey route map



Map S4. Mattwoman Creek IBA survey route maps

