

2009 TRIANGLE AREA FALL BIRD COUNTS

9/16 9/17 9/19

— Chatham County observer parties —

| Species | FL | KL | CC | ovlp | notes | WC | MK | DL | TL | JP | DS | NS | ST | GT | AT | AU | PW | CW |
|----------------------------------|-----|-----|-----|------|-------|-----|----|----|----|----|-----|-----|----|----|----|----|----|----|
| Canada Goose | 83 | 113 | 119 | | | 13 | | 3 | | 38 | 4 | | | | 56 | | | 5 |
| Wood Duck | 2 | 36 | 10 | 5 | | 7 | | | | 3 | 5 | | | | | | | |
| American Black Duck | | | 4 | | | 4 | | | | | | | | | | | | |
| Mallard | 8 | 33 | 25 | 9 | | 12 | | | | 6 | 16 | | | | | | | |
| Blue-winged Teal | | | 16 | 5 | | 5 | | | | 11 | 5 | | | | | | | |
| Northern Pintail | | | 4 | | NC | 4 | | | | | | | | | | | | |
| Green-winged Teal | | | 3 | 3 | R | 3 | | | | | 3 | | | | | | | |
| Wild Turkey | | 39 | 13 | | | 12 | | | | | | | | | | | | 1 |
| Northern Bobwhite | | | | | | | | | | | | | | | | | | |
| Pied-billed Grebe | | 2 | 1 | | | | | | | | | | | | 1 | | | |
| Double-crested Cormorant | 84 | 21 | 75 | 14 | | 15 | 12 | 1 | | 1 | 34 | 8 | | 3 | 15 | | | |
| Great Blue Heron | 44 | 45 | 142 | 42 | | 80 | 6 | 10 | | 7 | 47 | 9 | | 7 | 11 | 1 | 5 | 1 |
| Great Egret | 46 | 4 | 300 | 116 | H | 150 | 55 | 8 | | 20 | 145 | 7 | | 8 | 14 | | 8 | 1 |
| Little Blue Heron | | | 2 | 1 | | 2 | | | | | 1 | | | | | | | |
| Green Heron | | | 2 | | | 1 | | | | | | | | | | | | 1 |
| Black-crowned Night-Heron | | | 1 | | R | | | | | | 1 | | | | | | | |
| White Ibis | | | 3 | | NC | | | | | | 3 | | | | | | | |
| Black Vulture | 49 | 347 | 196 | | H | 8 | 17 | | 4 | | | 120 | | | 13 | | 22 | 12 |
| Turkey Vulture | 10 | 41 | 123 | | | 7 | 9 | 3 | 7 | 1 | 12 | 23 | 3 | 3 | 8 | 2 | 39 | 6 |
| Osprey | 10 | 14 | 10 | | | 1 | 2 | 1 | | 1 | 1 | 2 | | 2 | | | | |
| Bald Eagle 6 ad., 7 imm. | 7 | 10 | 13 | | | 4 | | 1 | | | 2 | 5 | | | | | | 1 |
| Sharp-shinned Hawk | | 1 | 3 | | | 2 | | | 1 | | | | | | | | | |
| Cooper's Hawk | 2 | | 1 | | | | | | 1 | | | | | | | | | |
| Red-shouldered Hawk | 7 | 4 | 19 | | | 1 | | 5 | | 1 | | 2 | 1 | 1 | 3 | 2 | | 3 |
| Broad-winged Hawk | 1 | | | | | | | | | | | | | | | | | |
| Red-tailed Hawk | 3 | 7 | 4 | | | 1 | | | | | | 1 | | | | | | 2 |
| American Kestrel | | 11 | 4 | | | | | | | | 1 | | | | | 1 | 2 | |
| Merlin | | | 1 | | R | 1 | | | | | | | | | | | | |
| Peregrine Falcon | | 1 | | | | | | | | | | | | | | | | |
| SORA | | | 1 | | NC | 1 | | | | | | | | | | | | |
| Black-bellied Plover | | | 1 | | R | | | | | | 1 | | | | | | | |
| Semipalmated Plover | | 1 | 13 | 2 | | 5 | | | | | 10 | | | | | | | |
| Killdeer | 51 | 31 | 258 | 26 | H | 90 | 6 | 37 | | 45 | 74 | 3 | | 11 | 1 | 2 | 15 | |
| Greater Yellowlegs | 2 | | 78 | 3 | H | 70 | | 1 | | 2 | 8 | | | | | | | |
| Lesser Yellowlegs | 2 | 2 | 125 | 14 | | 90 | | 1 | | 14 | 33 | | | | | | | 1 |
| Solitary Sandpiper | | 1 | 1 | | | | | | | | | | | | 1 | | | |
| Spotted Sandpiper | 3 | | 10 | | | 4 | 2 | | | | 1 | | | 1 | 2 | | | |
| Sanderling | | | 13 | | H | 8 | | | | | 5 | | | | | | | |
| Semipalmated Sandpiper | | | 19 | | | 2 | | 2 | | | 15 | | | | | | | |
| Western Sandpiper | | | 17 | | | | | | | | 14 | | | 3 | | | | |
| Least Sandpiper | 5 | 1 | 200 | 42 | H | 100 | 21 | 12 | | | 108 | | | 1 | | | | |
| White-rumped Sandpiper | | | cw | | | | | cw | | | | | | | | | | |
| Pectoral Sandpiper | | 1 | 50 | 12 | | 25 | | 1 | | | 34 | | | | 1 | | 1 | |
| Stilt Sandpiper | 1 | | 28 | | H | | | | | | 26 | | | 2 | | | | |
| Buff-breasted Sandpiper | | | 3 | | R | 3 | | | | | | | | | | | | |
| RUFF | | | 1 | | NC | | | | | | 1 | | | | | | | |
| Short-billed Dowitcher | | | 20 | | R,H | 20 | | | | | | | | | | | | |
| Wilson's Snipe | | | 3 | | H | | | | | | 3 | | | | | | | |
| Wilson's Phalarope | | | 1 | 1 | R | 1 | | | | | 1 | | | | | | | |
| Ring-billed Gull | 3 | 23 | | | | | | | | | | | | | | | | |
| Herring Gull | | 1 | | | | | | | | | | | | | | | | |
| Caspian Tern | | | 2 | | | | | cw | | | 2 | | | | | | | |
| Rock Pigeon | 1 | 55 | 16 | | | | 2 | | | 14 | | | | | | | | |
| Mourning Dove | 109 | 153 | 131 | | | 12 | 2 | 5 | 18 | 2 | | 13 | 1 | 2 | 5 | 9 | 21 | 41 |
| Yellow-billed Cuckoo | 1 | 1 | 0 | | | | | | | | | | | | | | | |
| Eastern Screech-Owl | | | 3 | | | 1 | | | | | | | | | | | | 2 |
| Great Horned Owl | | | 1 | | | | | | | | 1 | | | | | | | |
| Barred Owl | 1 | 2 | 3 | | | | | | | | | | 1 | | | 1 | 1 | |
| Whip-poor-will | | | 5 | | | | | | | | 5 | | | | | | | |
| Chimney Swift | 41 | 21 | 8 | | L | 1 | | | 1 | | | | | | 2 | | | 4 |
| Ruby-throated Hummingbird | 9 | 13 | 18 | | | | 2 | | 3 | | | | | | 1 | 4 | 8 | |
| Belted Kingfisher | 8 | 9 | 10 | | | 1 | | 3 | | | 1 | | | 1 | 2 | | 2 | |
| Red-headed Woodpecker | 12 | 7 | 34 | | | 3 | | 4 | | 12 | 7 | | | 5 | 1 | 1 | 1 | |
| Red-bellied Woodpecker | 20 | 23 | 72 | | | 9 | 4 | | 8 | 1 | 3 | 5 | 6 | 3 | 12 | 7 | 2 | 12 |
| Yellow-bellied Sapsucker | | | 1 | | R | 1 | | | | | | | | | | | | |
| Downy Woodpecker | 14 | 22 | 47 | | | 6 | 2 | 1 | 4 | 4 | 2 | 4 | 4 | 3 | 10 | 1 | 4 | 2 |
| Hairy Woodpecker | 5 | 4 | 9 | | | 2 | | | 2 | | 2 | 1 | 2 | | | | | |
| Northern Flicker | 16 | 14 | 30 | | | 6 | | 5 | 3 | 1 | 3 | 1 | | 2 | 4 | | 1 | 4 |
| Pileated Woodpecker | 11 | 12 | 18 | | | 2 | 1 | 3 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | | |
| Eastern Wood-Pewee | 18 | 26 | 25 | | | 3 | 1 | 1 | 3 | 3 | 3 | 2 | 1 | | 2 | 1 | 3 | 2 |
| Acadian Flycatcher | | 1 | 1 | | | | | | 1 | | | | | | | | | |
| "Traill's" Flycatcher | | | 1 | | R | 1 | | | | | | | | | | | | |
| Eastern Phoebe | 8 | 9 | 22 | | | 2 | | 4 | | 1 | 3 | | 1 | | 3 | 2 | 3 | 3 |
| Great Crested Flycatcher | | 3 | 3 | | | | | | 1 | | | | | | 2 | | | |
| White-eyed Vireo | 13 | 14 | 18 | | | | 1 | | 6 | 2 | 1 | | | | 2 | 3 | 3 | |
| Blue-headed Vireo | | | 0 | | | | | | | | | | | | | | | |
| Yellow-throated Vireo | | 4 | 2 | | | | | | 2 | | | | | | | | | |
| Red-eyed Vireo | 4 | 12 | 9 | | | 1 | 1 | | 4 | | | 2 | | | 1 | | | |

2009 TRIANGLE AREA FALL BIRD COUNTS

— Chatham County observer parties —

9/16 9/17 9/19

| Species | FL | KL | CC | ovlp | notes | WC | MK | DL | TL | JP | DS | NS | ST | GT | AT | AU | PW | CW |
|------------------------------|------|------|------|------|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Blue Jay | 68 | 77 | 160 | | | 9 | 17 | 18 | 18 | 6 | 16 | 2 | 4 | 10 | 20 | 4 | 3 | 33 |
| American Crow | 139 | 254 | 480 | 42 | H | 200 | 23 | 22 | 24 | 36 | 79 | 13 | 5 | 13 | 53 | 15 | 26 | 13 |
| Fish Crow | 6 | 1 | 275 | 4 | H | 250 | 1 | 4 | | | 5 | 17 | | | 2 | | | |
| Barn Swallow | 3 | 4 | | | | | | | | | | | | | | | | |
| Carolina Chickadee | 80 | 100 | 212 | | | 35 | 27 | 16 | 14 | 10 | 18 | 24 | 7 | 6 | 29 | 7 | 9 | 10 |
| Tufted Titmouse | 58 | 87 | 170 | | | 34 | 9 | 14 | 12 | 8 | 16 | 17 | 7 | 5 | 24 | 8 | 7 | 9 |
| White-breasted Nuthatch | 17 | 10 | 36 | | | 4 | 4 | 6 | 2 | 1 | 4 | 1 | 4 | 1 | 3 | 2 | 2 | 2 |
| Brown-headed Nuthatch | 25 | 20 | 103 | | H | 10 | | 8 | | 7 | 6 | 12 | 2 | 11 | 9 | | 32 | 6 |
| Carolina Wren | 81 | 63 | 166 | | | 25 | 23 | 18 | 9 | 7 | 9 | 14 | 5 | 7 | 23 | 6 | 6 | 14 |
| House Wren | 2 | 3 | 4 | | | | | | 1 | 1 | 2 | | | | | | | |
| Marsh Wren | | | 2 | | R,H | 1 | | | | | 1 | | | | | | | |
| Blue-gray Gnatcatcher | 13 | 98 | 34 | | | 8 | | 3 | | | 3 | 17 | | | 2 | | | 1 |
| Ruby-crowned Kinglet | | 1 | | | | | | | | | | | | | | | | |
| Eastern Bluebird | 129 | 142 | 135 | | | 7 | 5 | 14 | 4 | 2 | 8 | 22 | 2 | 1 | 18 | 5 | 25 | 22 |
| Veery | 1 | | 5 | | H | 1 | | | | | | | | 3 | 1 | | | |
| Swainson's Thrush | | | 9 | | H | 1 | | | | | | | 8 | | | | | |
| Wood Thrush | 1 | | 13 | | H | 1 | | | 1 | | | 1 | 10 | | | | | |
| American Robin | 148 | 27 | 66 | | | | | 5 | 26 | | 6 | | | | 29 | | | |
| Gray Catbird | 25 | 6 | 25 | | | 2 | 2 | | 9 | 1 | | 2 | | | 6 | | 2 | 1 |
| Northern Mockingbird | 40 | 21 | 32 | | H | 2 | 8 | 2 | 1 | | 1 | 2 | 2 | | 4 | 8 | 2 | |
| Brown Thrasher | 12 | 8 | 8 | | | 3 | | 1 | | | 1 | | | | 1 | | | 2 |
| European Starling | 160 | 130 | 114 | | H | 4 | | | | | | 1 | | | | | 34 | 75 |
| American Pipit | | | 6 | | NC | 6 | | | | | | | | | | | | |
| Cedar Waxwing | 5 | 7 | 27 | | H | | | | 27 | | | | | | | | | |
| Blue-winged Warbler | | 2 | 2 | | | | | | 1 | | | | | | | | 1 | |
| Tennessee Warbler | | | 1 | | | 1 | | | | | | | | | | | | |
| Nashville Warbler | 2 | | | | | | | | | | | | | | | | | |
| Northern Parula | 2 | 15 | 10 | | | 6 | | | | | | 1 | | | | | 3 | |
| Yellow Warbler | | 3 | | | | | | | | | | | | | | | | |
| Chestnut-sided Warbler | | 3 | 1 | | | 1 | | | | | | | | | | | | |
| Magnolia Warbler | 4 | 3 | 7 | | | 2 | | 1 | 1 | | | | | 1 | 1 | | 1 | |
| Cape May Warbler | 1 | 1 | 2 | | | | | 2 | | | | | | | | | | |
| Black-throated Blue Warbler | 1 | | 7 | | | | | | 3 | | | 4 | | | | | | |
| Black-throated Green Warbler | | 5 | | | | | | | | | | | | | | | | |
| Blackburnian Warbler | | 1 | 1 | | | | | | | | | 1 | | | | | | |
| Yellow-throated Warbler | | 4 | 3 | | | 1 | | | | | | 1 | | | | | 1 | |
| Pine Warbler | 129 | 114 | 237 | | | 20 | | 25 | 4 | 14 | 16 | 56 | 4 | 26 | 38 | 1 | 26 | 7 |
| Prairie Warbler | 1 | 2 | 1 | | | | | 1 | | | | | | | | | | |
| Palm Warbler | 1 | 2 | 5 | | | 1 | | | | | 3 | | | | 1 | | | |
| Black-and-white Warbler | 7 | 18 | 10 | | | 2 | 1 | | | 1 | | | | 1 | 1 | | 4 | |
| American Redstart | 23 | 41 | 35 | | | 6 | | 2 | 7 | | | 7 | 6 | 1 | 2 | | 4 | |
| Prothonotary Warbler | 1 | | | | | | | | | | | | | | | | | |
| Ovenbird | 2 | | 1 | | | | | | | 1 | | | | | | | | |
| Northern Waterthrush | 1 | | 4 | | | 2 | | | | 2 | | | | | | | | |
| Common Yellowthroat | 22 | 35 | 31 | | | 3 | 3 | | 4 | 1 | 17 | | | 1 | | 2 | | |
| Hooded Warbler | | 2 | 1 | | | | | | | | | 1 | | | | | | |
| Wilson's Warbler | | 1 | | | | | | | | | | | | | | | | |
| Canada Warbler | 1 | | 1 | | R | 1 | | | | | | | | | | | | |
| Yellow-breasted Chat | | 1 | 1 | | | | | | 1 | | | | | | | | | |
| Summer Tanager | 10 | 26 | 24 | | | 3 | 2 | 1 | 7 | 1 | 1 | 1 | 1 | 1 | | 1 | 5 | |
| Scarlet Tanager | | 4 | 18 | | | 3 | | | 2 | 1 | | 6 | 2 | 1 | 3 | | | |
| Eastern Towhee | 4 | 11 | 34 | | | 2 | 8 | 5 | 2 | 1 | 3 | | | | 9 | | 1 | 3 |
| Song Sparrow | 3 | 1 | 1 | | | | | | | | | | | | 1 | | | |
| Chipping Sparrow | 60 | 122 | 21 | | | | 3 | 2 | | | | | | | 5 | | | 11 |
| Field Sparrow | 7 | 52 | 4 | | | | | | | | 4 | | | | | | | |
| Northern Cardinal | 45 | 71 | 148 | | | 8 | 24 | 8 | 22 | 9 | 6 | 10 | 5 | 4 | 10 | 21 | 10 | 11 |
| Rose-breasted Grosbeak | 2 | 5 | 13 | | H | 1 | | | 3 | 1 | 1 | 4 | 2 | | | | 1 | |
| Blue Grosbeak | 4 | 12 | 28 | | | 10 | | | 4 | 4 | 8 | | | | 1 | | 1 | |
| Indigo Bunting | 17 | 61 | 52 | | | 40 | | | 1 | | 11 | | | | | | | |
| Bobolink | | | 4 | | R | 1 | | | | | 3 | | | | | | | |
| Red-winged Blackbird | | 2 | 25 | | | | | | | | | | | | | | | 25 |
| Eastern Meadowlark | | 2 | 0 | | | | | | | | | | | | | | | |
| Common Grackle | | | 32 | | | | | | | | | | | | | 19 | | 13 |
| Brown-headed Cowbird | | 12 | 81 | | H | | 1 | 80 | | | | | | | | | | |
| Baltimore Oriole | 2 | 8 | 1 | | | | | | | | | 1 | | | | | | |
| House Finch | 9 | 20 | 9 | | | | | | 4 | | | | | | 2 | | 3 | |
| American Goldfinch | 79 | 149 | 207 | | | 15 | 34 | 15 | 38 | 15 | 4 | 1 | 2 | | 24 | 12 | 44 | 3 |
| House Sparrow | | 3 | 5 | | | | 5 | | | | | | | | | | | |
| TOTAL SPECIES 143 | 85 | 98 | 130 | | H | 89 | 37 | 49 | 46 | 45 | 70 | 45 | 28 | 35 | 54 | 29 | 47 | 34 |
| TOTAL INDIVIDUALS | 2167 | 3067 | 5575 | | H | 1535 | 346 | 386 | 321 | 321 | 901 | 448 | 100 | 153 | 497 | 149 | 399 | 360 |

CC = Chatham County fall bird count totals, FL = Falls Lake, KL = Kerr Lake
 Notes: H = Record High, L = Record Low, NC = New to Count, R = Rare

Weather: temp 64-79F, wind NE 5-10 mph, no precip, overcast, lake level 212.4'
 ovlp = estimated overlap (birds counted by 2 parties)

| | | | | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Start | 530 | 745 | 800 | 700 | 645 | 730 | 615 | 700 | 900 | 745 | 600 | 530 | 800 |
| End | 1915 | 1700 | 1200 | 1430 | 1915 | 1130 | 1530 | 1800 | 1400 | 1230 | 1900 | 1300 | 1245 |

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— Chatham County observer parties —

| Species | 9/16 | 9/17 | 9/19 | | | | | | | | | | | | | | | | |
|----------------------------|------|-------|-------|------|-------|------|------|-----|------|----|------|------|----|----|------|-----|-----|----|---|
| | FL | KL | CC | ovlp | notes | WC | MK | DL | TL | JP | DS | NS | ST | GT | AT | AU | PW | CW | |
| Parties | | 4 | 6 | 13 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Individuals | | 5 | 10 | 21 | | 4 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 |
| Regular Party Hours: Total | | 33 | 53 | 77.5 | | 9.25 | 4 | 7 | 9.25 | 4 | 8.75 | 3.5 | 4 | 5 | 4.75 | 7 | 6 | 5 | 5 |
| Party Hours: On Foot | | 30.25 | 34.25 | 63.5 | | 9.25 | 3.75 | | 8.75 | 4 | 8.75 | 3.25 | 4 | | 4.75 | 7 | 5 | 5 | 5 |
| Party Hours: By Car | | 2.75 | 18.75 | 6.5 | | | 0.25 | 4.5 | 0.5 | | | 0.25 | | | | | 1 | | |
| Party Hours: By Boat | | | | 7.5 | | | | 2.5 | | | | | | 5 | | | | | |
| Party Miles: Total | | 53 | 112.9 | 84 | | 9.25 | 6 | 12 | 12 | 3 | 8 | 2 | 1 | 6 | 2.75 | 2 | 15 | 5 | 5 |
| Party Miles: On Foot | | 23.5 | 27.5 | 42.5 | | 9.25 | 3 | | 2.5 | 3 | 8 | 1 | 1 | | 2.75 | 2 | 5 | 5 | 5 |
| Party Miles: By Car | | 29.5 | 85.4 | 32.5 | | | 3 | 9 | 9.5 | | | 1 | | | | | 10 | | |
| Party Miles: By Boat | | | | 9 | | | | 3 | | | | | | 6 | | | | | |
| Owling Hours | | 1.5 | | 2.5 | | | | | | | | | | | | 1 | 1.5 | | |
| Owling Miles | | 1.5 | | 8.5 | | | | | | | | | | | | 0.5 | 8 | | |

Area

751 bridge west, NH Creek mudflats
 Farrington Point, Farrington Village
 White Oak Creek by kayak
 Bynum Ridge area
 751 bridge east, O'Kelly Chapel Rd
 Old Hope Valley Farm Rd., NH and Morgan Creek mudflats
 Ebenezer Point
 Boothe Hill Rd.
 Beaver Creek by kayak
 Big Woods Road
 Jay Shambley Rd, Rocky River, etc.
 Hank's Chapel Road
 Tody Goodwin Road

Party Party Members

WC Will Cook, Carl Rothfels, Roger Rittmaster, Marci Lew
 MK Mark Kosiewski
 DL Dave Lenat
 TL Terry Logue
 JP Jeff Phippen, Ricky Davis
 DS Doug Shadwick, Scott Winton
 NS Nathan Swick, Greg Swick
 ST Shelley Theye
 GT Ginger Travis, Norm Budnitz
 AT Amalie Tuffin
 AU Andy Upshaw
 PW Phil Warren
 CW Carol Williamson, Jennifer Maher

Past Counts

| Year | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | avg |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Date | 9/21 | 9/20 | 9/19 | 9/18 | 9/16 | 9/15 | 9/21 | 9/20 | 9/18 | 9/17 | 9/16 | 9/15 | 9/20 | 9/19 | |
| Species | 84 | 99 | 107 | 115 | 107 | 103 | 95 | 98 | 96 | 114 | 98 | 123 | 94 | 130 | 104.5 |
| Birds | 1584 | 3125 | 3805 | 4609 | 3887 | 4895 | 3471 | 3381 | 2256 | 3728 | 4037 | 4599 | 2597 | 5575 | 3682.1 |
| Parties | 7 | 10 | 12 | 13 | 13 | 17 | 9 | 13 | 10 | 11 | 12 | 11 | 9 | 13 | 11.4 |
| Counters | 13 | 14 | 19 | 27 | 23 | 37 | 14 | 17 | 12 | 18 | 17 | 22 | 21 | 21 | 19.6 |
| Party Hours | 31.25 | 54 | 70 | 86.7 | 88.25 | 132 | 53.75 | 67.25 | 42.3 | 68.5 | 66.2 | 62.7 | 51.5 | 77.5 | 68.0 |
| Birds per Hour | 50.69 | 57.87 | 54.36 | 53.16 | 44.05 | 37.08 | 64.58 | 50.28 | 53.33 | 54.42 | 60.98 | 73.35 | 50.43 | 71.94 | 55.5 |

Warblers

| | | | | | | | | | | | | | | | |
|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| species | 14 | 18 | 16 | 23 | 21 | 22 | 18 | 19 | 14 | 17 | 17 | 17 | 18 | 20 | 18.1 |
| individuals | 142 | 295 | 433 | 570 | 505 | 411 | 340 | 208 | 120 | 294 | 285 | 342 | 422 | 361 | 337.7 |
| non-Pine individuals | 105 | 108 | 111 | 293 | 125 | 187 | 136 | 130 | 36 | 111 | 79 | 136 | 149 | 124 | 130.7 |

Shorebirds

| | | | | | | | | | | | | | | | |
|--------------------------|-----|-------|-------|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-------|
| species | 2 | 5 | 12 | 5 | 3 | 3 | 1 | 2 | 6 | 11 | 2 | 20 | 1 | 16 | 6.4 |
| individuals | 14 | 47 | 187 | 26 | 16 | 9 | 30 | 19 | 20 | 298 | 5 | 940 | 26 | 839 | 176.9 |
| non-Killdeer individuals | 1 | 23 | 58 | 4 | 3 | 4 | 0 | 1 | 12 | 131 | 2 | 757 | 0 | 581 | 112.6 |
| lake level | 224 | 214.7 | 213.9 | 223.5 | 216.2 | 216.2 | 214 | 217.1 | 216.4 | 213.8 | 217 | 211.9 | 217.2 | 212.4 | 216.3 |

Shorebirds vs Lake Level

