

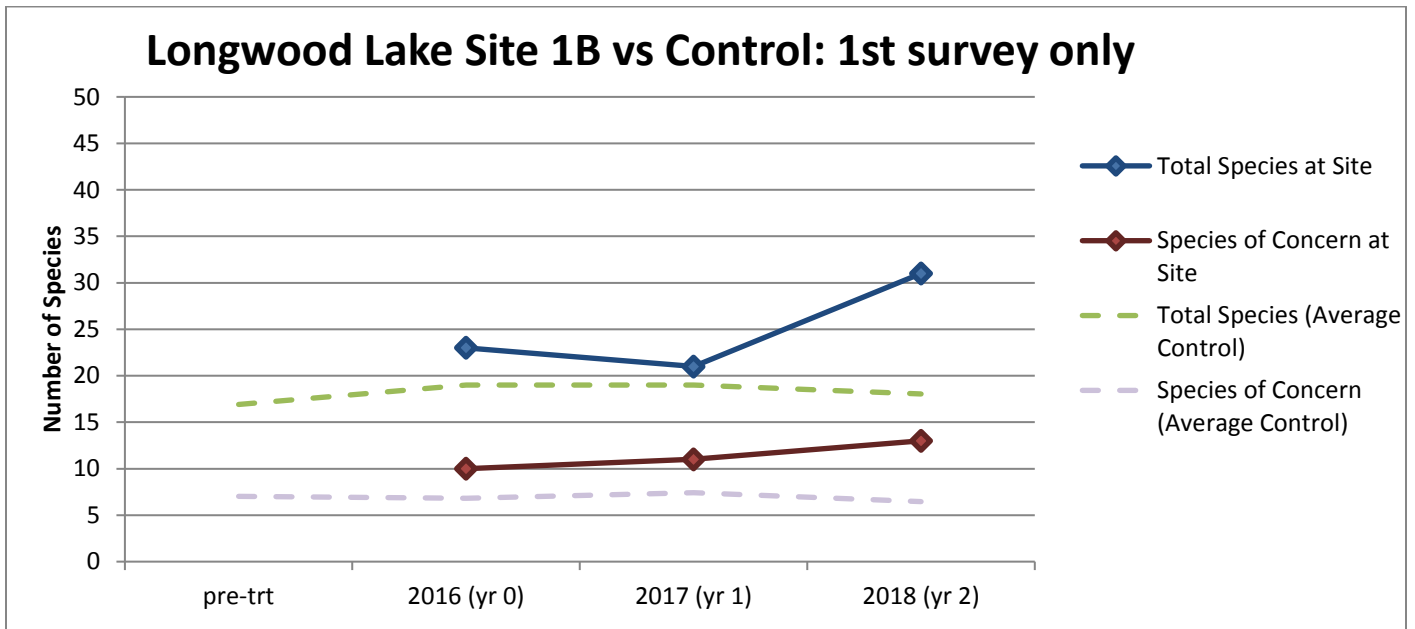
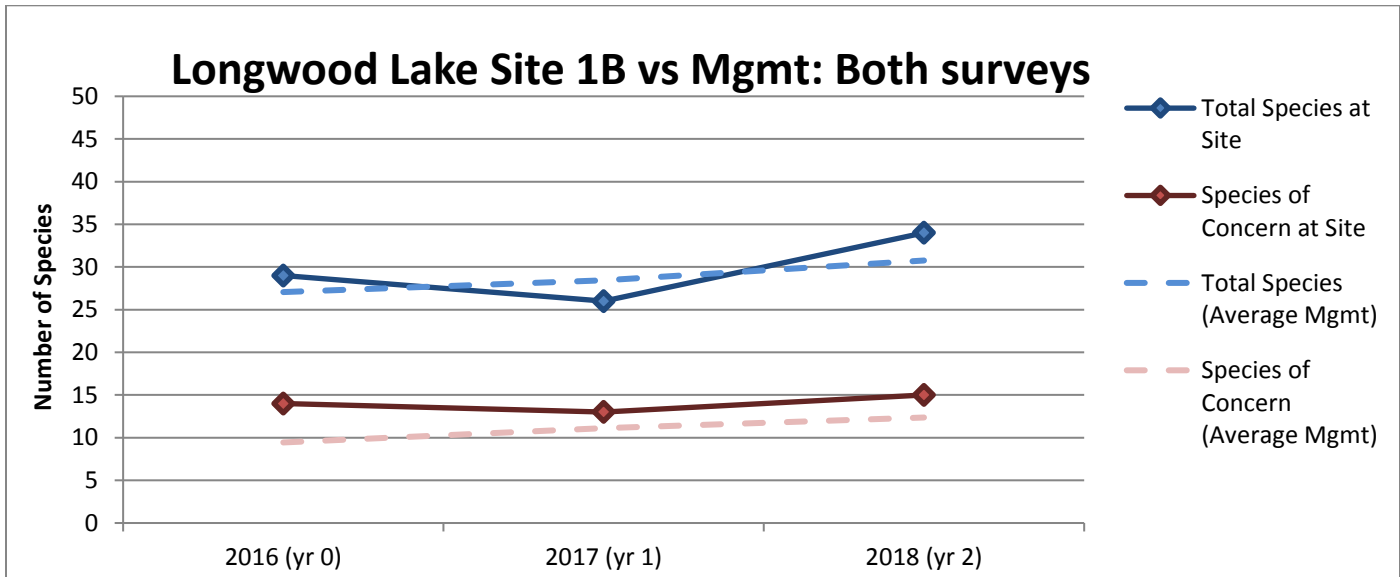
2018 Bird Results

Below is the 2018 list of birds observed in your site enrolled in Working Lands for Wildlife, as well as a couple graphs. The first graph will show you how the total number of bird species at your site has changed over time and how this number compares with the average of the total number of bird species on all other sites managed for golden-winged warblers. The second graph will show you how the total number of bird species observed during the first survey at your site compares with the average of the total number of bird species in all control sites (shrubby wetlands, rights-of-way) surveyed.

List of all bird species observed on your WLFW site during the 2018 surveys, including their status and some basic information on where they nest and migrate. Short-distance migrants tend to spend the winters in the southern US, whereas Neotropical migrants spend the winters in the tropics of Central or South America.

Longwood Lake Site 1b: Surveyed 5/21/18 and 6/8/18

| Common Name | Status | Nesting Strata | Migration Strategy |
|---------------------------|-----------------------|----------------|--------------------|
| American Redstart | Common | subcanopy | Neotropical |
| American Robin | Common | subcanopy | Short distance |
| American Woodcock | Regional Concern Game | ground | Short distance |
| Baltimore Oriole | Regional Concern | canopy | Neotropical |
| Blue-winged Warbler | Regional Concern | ground | Neotropical |
| Brewster's Warbler | Hybrid | ground | Neotropical |
| Brown-headed Cowbird | Common | nest parasite | Short distance |
| Carolina Wren | Common | cavity | Resident |
| Cedar Waxwing | Common | canopy | Short distance |
| Chestnut-sided Warbler | Common | shrub | Neotropical |
| Common Grackle | Common | subcanopy | Short distance |
| Common Yellowthroat | Common | ground | Neotropical |
| Eastern Towhee | Regional Concern | ground | Short distance |
| Eastern Wood-Pewee | Regional Concern | subcanopy | Neotropical |
| Field Sparrow | Regional Concern | ground | Short distance |
| Gray Catbird | Regional Concern | shrub | Short distance |
| Great Crested Flycatcher | Uncommon | cavity | Neotropical |
| Indigo Bunting | Regional Concern | shrub | Neotropical |
| Magnolia Warbler | Uncommon | subcanopy | Neotropical |
| Mourning Dove | Game | subcanopy | Short distance |
| Northern Flicker | Regional Concern | cavity | Short distance |
| Ovenbird | Common | ground | Neotropical |
| Prairie Warbler | Regional Concern | shrub | Neotropical |
| Red-bellied Woodpecker | Common | cavity | Resident |
| Red-eyed Vireo | Uncommon | shrub | Neotropical |
| Rose-breasted Grosbeak | Regional Concern | subcanopy | Neotropical |
| Ruby-throated Hummingbird | Common | subcanopy | Neotropical |
| Scarlet Tanager | Regional Concern | canopy | Neotropical |
| Tufted Titmouse | Common | cavity | Resident |
| Veery | Special Concern | ground | Neotropical |
| White-breasted Nuthatch | Common | cavity | Resident |
| Wood Thrush | Special Concern | subcanopy | Neotropical |
| Yellow Warbler | Common | shrub | Neotropical |



Since you did the management (between pre-trt and yr 0), your site has had more species than the average control site, even before the end of the first growing season (year 0)! Most management sites have fewer bird species pre-treatment than the control sites, so this is a good indicator that the habitat has improved. Furthermore, the number of bird species in this site remains above the average for control sites with a significant increasing trend of 4 species per year.

In summary, with around 30 species of birds in total and about 1/3 of them being species of concern (state listed or regional concern), the bird response at your site has been consistent with other management sites. Some of the bird species of concern that are there because you did the management include the indigo bunting, blue-winged warbler, prairie warbler, and eastern towhee and, once again, the Brewster's warbler!

Thank you for managing your property for golden-winged warblers and making a positive impact on NJ's breeding bird population!

Sharon Petzinger, Senior Zoologist

NJ Division of Fish and Wildlife's Endangered and Nongame Species Program