

Table 3-12 (Sheet 1 of 4)

Number of Birds/Route¹ Documented Along the USGS Breeding Bird Survey² Watertown (61071), Ogdensburg (61096), and Philadelphia (61113) Routes³ in the Project Vicinity

Common Name	Scientific Name	Number of Birds/Route		
		Watertown	Ogdensburg	Philadelphia
Common Loon	<i>Gavia immer</i>	----	0.05	0.21
Double-crested Cormorant	<i>Phalacrocorax auritus</i>	----	0.16	0.11
Pied-billed Grebe	<i>Podilymbus podiceps</i>	0.05	----	0.05
American Bittern	<i>Botaurus lentiginosus</i>	1.16	0.21	0.26
Great Blue Heron	<i>Ardea herodias</i>	9.26	2.26	6.00
Green Heron	<i>Butorides virescens</i>	0.79	1.74	0.42
Black-crn. Night Heron	<i>Nycticorax nycticorax</i>	0.05	----	
Turkey Vulture	<i>Cathartes aura</i>	0.47	0.26	2.79
Canada Goose	<i>Branta canadensis</i>	2.53	3.63	1.05
Wood Duck	<i>Aix sponsa</i>	0.26	0.68	1.05
American Black Duck	<i>Anas rubripes</i>	0.26	----	0.11
Mallard	<i>Anas platyrhynchos</i>	1.37	2.63	1.74
Blue-winged Teal	<i>Anas discors</i>	----	0.16	0.21
Hooded Merganser	<i>Lophodytes cucullatus</i>	----	----	0.05
Northern Goshawk	<i>Accipiter gentilis</i>	----	0.16	----
Sharp-shinned Hawk	<i>Accipiter striatus</i>	----	----	0.05
Northern Harrier	<i>Circus cyaneus</i>	0.21	0.37	0.26
Broad-winged hawk	<i>Buteo platypterus</i>	----	----	0.05
Red-tailed Hawk	<i>Buteo jamaicensis</i>	0.42	0.79	0.42
American Kestrel	<i>Falco sparverius</i>	0.63	1.89	0.74
Gray Partridge	<i>Perdix perdix</i>	0.11	----	----
Ring-necked Pheasant	<i>Phasianus colchicus</i>	0.74	0.16	0.05
Ruffed Grouse	<i>Bonasa umbellus</i>	0.11	0.21	----
Wild Turkey	<i>Meleagris gallopavo</i>	0.05	0.05	0.53
Virginia Rail	<i>Rallus limicola</i>	0.05	0.16	0.21
Sora	<i>Porzana carolina</i>	----	0.05	0.05
Common Moorhen	<i>Gallinula chloropus</i>	0.05	0.05	0.11
Killdeer	<i>Charadrius vociferus</i>	11.63	10.89	5.79
Spotted Sandpiper	<i>Actitis macularia</i>	0.42	0.05	0.05
Upland Sandpiper	<i>Bartramia longicauda</i>	0.26	0.21	0.26
Common Snipe	<i>Gallinago gallinago</i>	1.05	7.26	3.53
American Woodcock	<i>Scolopax minor</i>	----	----	0.05
Ring-billed Gull	<i>Larus delawarensis</i>	155.74	52.95	5.05
Herring Gull	<i>Larus argentatus</i>	0.11	----	----
Rock Dove	<i>Columba livia</i>	43.89	26.16	10.37
Mourning Dove	<i>Zenaida macroura</i>	17	7.58	7.00
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>	1.26	0.79	1.00
Yellow-billed Cuckoo	<i>Coccyzus americanus</i>	0.16	----	0.05

Table 3-12 (Sheet 2 of 4)

Number of Birds/Route¹ Documented Along the USGS Breeding Bird Survey² Watertown (61071), Ogdensburg (61096), and Philadelphia (61113) Routes³ in the Project Vicinity

Common Name	Scientific Name	Number of Birds/Route		
Eastern Screech-Owl	<i>Otus asio</i>	0.11	-----	-----
Great Horned Owl	<i>Bubo virginianus</i>	0.11	-----	-----
Common Nighthawk	<i>Chordeiles minor</i>	-----	0.11	-----
Chimney Swift	<i>Chaetura pelagica</i>	2.63	0.95	1.32
Ruby-thr. Hummingbird	<i>Archilochus colubris</i>	0.11	0.11	-----
Belted Kingfisher	<i>Ceryle alcyon</i>	0.47	0.47	0.79
Red-headed Woodpecker	<i>Melanerpes erythrocephalus</i>	0.11	-----	-----
Red-bellied Woodpecker	<i>Melanerpes carolinus</i>	0.05	-----	0.05
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	-----	-----	0.11
Downy Woodpecker	<i>Picoides pubescens</i>	1.42	0.68	0.68
Hairy Woodpecker	<i>Picoides villosus</i>	0.05	0.11	0.16
Northern Flicker	<i>Colaptes spp.</i>	3.47	3.16	2.21
Pileated Woodpecker	<i>Dryocopus pileatus</i>	0.05	0.26	0.42
Eastern Wood-Pewee	<i>Contopus virens</i>	6.16	4.84	3.47
Alder Flycatcher	<i>Empidonax alnorum</i>	5.00	2.32	1.26
Willow Flycatcher	<i>Empidonax traillii</i>	10.37	0.89	0.74
Willow/Alder Flycatcher	<i>Empidonax spp.</i>	15.37	3.21	2.00
Least Flycatcher	<i>Empidonax minimus</i>	3.63	1.32	1.37
Eastern Phoebe	<i>Sayornis phoebe</i>	4.68	3.68	4.84
Grt. Crested Flycatcher	<i>Myiarchus crinitus</i>	2.74	1.95	1.53
Eastern Kingbird	<i>Tyrannus tyrannus</i>	5.89	5.32	8.16
Loggerhead Shrike	<i>Lanius ludovicianus</i>	-----	0.16	0.05
Yellow-throated Vireo	<i>Vireo flavifrons</i>	0.21	0.32	1.53
Blue-headed Vireo	<i>Vireo solitarius</i>	-----	-----	0.05
Warbling Vireo	<i>Vireo gilvus</i>	15.37	8.26	8.05
Red-eyed Vireo	<i>Vireo olivaceus</i>	5.68	4.58	9.58
Blue Jay	<i>Cyanocitta cristata</i>	3.53	4.68	5.26
American Crow	<i>Corvus brachyrhynchos</i>	35.68	38.21	32.79
Common Raven	<i>Corvus corax</i>	-----	-----	0.21
Horned Lark	<i>Eremophila alpestris</i>	3.68	0.42	0.11
Purple Martin	<i>Progne subis</i>	1.63	0.84	0.53
Tree Swallow	<i>Tachycineta bicolor</i>	8.79	9.95	7.58
N. Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>	0.21	0.21	0.21
Bank Swallow	<i>Riparia riparia</i>	7.37	5.58	0.21
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>	-----	0.05	1.68
Barn Swallow	<i>Hirundo rustica</i>	19.11	16.89	26.89
Black-capped Chickadee	<i>Poecile atricapillus</i>	5.63	2.32	5.95
White-breasted Nuthatch	<i>Sitta carolinensis</i>	0.16	0.32	1.79
House Wren	<i>Troglodytes aedon</i>	13.63	11.11	10.89
Winter Wren	<i>Troglodytes troglodytes</i>	0.05	-----	0.16
Sedge Wren	<i>Cistothorus platensis</i>	-----	0.16	0.21

Table 3-12 (Sheet 3 of 4)

Number of Birds/Route¹ Documented Along the USGS Breeding Bird Survey² Watertown (61071),
Ogdensburg (61096), and Philadelphia (61113) Routes³ in the Project Vicinity

Common Name	Scientific Name	Number of Birds/Route		
Marsh Wren	<i>Cistothorus palustris</i>	0.11	0.05	3.32
Eastern Bluebird	<i>Sialia sialis</i>	0.11	0.42	0.26
Veery	<i>Catharus fuscescens</i>	3.42	2.16	0.95
Hermit Thrush	<i>Catharus guttatus</i>	----	----	0.21
Wood Thrush	<i>Hylocichla mustelina</i>	8.74	4.21	5.05
American Robin	<i>Turdus migratorius</i>	56.26	43.26	47.89
Gray Catbird	<i>Dumetella carolinensis</i>	6.63	4.89	6.58
Northern Mockingbird	<i>Mimus polyglottos</i>	----	----	0.16
Brown Thrasher	<i>Toxostoma rufum</i>	1.32	2.47	2.37
European Starling	<i>Sturnus vulgaris</i>	111.63	34.89	21.26
Cedar Waxwing	<i>Bombycilla cedrorum</i>	10.37	4.11	4.89
Blue-winged Warbler	<i>Vermivora pinus</i>	0.11	----	0.05
Golden-winged Warbler	<i>Vermivora chrysoptera</i>	0.16	0.11	2.21
Nashville Warbler	<i>Vermivora ruficapilla</i>	0.05	0.05	----
Yellow Warbler	<i>Dendroica petechia</i>	33.05	39.11	32.32
Chestnut-sided Warbler	<i>Dendroica pensylvanica</i>	5.32	1.42	2.26
Yellow-rumped Warbler	<i>Dendroica coronata</i>	0.05	0.05	0.11
Black-thr. Green Warbler	<i>Dendroica virens</i>	0.11	0.05	0.32
Pine Warbler	<i>Dendroica pinus</i>	0.05	0.26	0.42
Cerulean Warbler	<i>Dendroica cerulean</i>	----	----	0.16
Black-and-white Warbler	<i>Mniotilta varia</i>	1.00	1.47	2.84
American Redstart	<i>Setophaga ruticilla</i>	2.47	2.47	4.37
Ovenbird	<i>Seiurus aurocapillus</i>	0.89	1.11	2.89
Northern Waterthrush	<i>Seiurus noveboracensis</i>	0.05	----	0.68
Common Yellowthroat	<i>Geothlypis trichas</i>	29.89	20.05	30.37
Yellow-breasted Chat	<i>Icteria virens</i>	----	0.05	----
Canada Warbler	<i>Wilsonia canadensis</i>	0.11	----	----
Scarlet Tanager	<i>Piranga olivacea</i>	0.58	0.32	2.05
Eastern Towhee	<i>Pipilo erythrophthalmus</i>	3.42	2.74	9.79
Chipping Sparrow	<i>Spizella passerina</i>	12.32	8.84	11.37
Field Sparrow	<i>Spizella pusilla</i>	3.84	2.89	7.79
Vesper Sparrow	<i>Poocetes gramineus</i>	1.32	0.26	0.05
Savannah Sparrow	<i>Passerculus sandwichensis</i>	35.11	12.42	12.26
Grasshopper Sparrow	<i>Ammodramus savannarum</i>	1.42	----	----
Henslow's Sparrow	<i>Ammodramus henslowii</i>	0.42	----	0.05
Song Sparrow	<i>Melospiza melodia</i>	40.89	39.63	31.11
Swamp Sparrow	<i>Melospiza georgiana</i>	3.58	1.84	6.84
White-throated Sparrow	<i>Zonotrichia albicollis</i>	0.32	1.37	0.37
Dark-eyed Junco	<i>Junco hyemalis</i>	----	----	0.21
Northern Cardinal	<i>Cardinalis cardinalis</i>	2.63	1.84	0.74
Rose-breasted Grosbeak	<i>Pheucticus ludovicianus</i>	2.11	4.26	4.58

Table 3-12 (Sheet 4 of 4)

Number of Birds/Route¹ Documented Along the USGS Breeding Bird Survey² Watertown (61071), Ogdensburg (61096), and Philadelphia (61113) Routes³ in the Project Vicinity

Common Name	Scientific Name	Number of Birds/Route		
Indigo Bunting	<i>Passerina cyanea</i>	0.79	2.11	8.21
Bobolink	<i>Dolichonyx oryzivorus</i>	36.00	28.32	27.00
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	166.05	74.47	86.63
Eastern Meadowlark	<i>Sturnella magna</i>	25.47	21.84	23.84
Common Grackle	<i>Quiscalus quiscula</i>	35.00	14.42	16.63
Brown-headed Cowbird	<i>Molothrus ater</i>	10.84	5.68	4.84
Baltimore Oriole	<i>Icterus galbula</i>	10.47	5.47	3.16
Purple Finch	<i>Carpodacus purpureus</i>	0.05	0.26	0.26
House Finch	<i>Carpodacus mexicanus</i>	4.00	0.37	1.05
American Goldfinch	<i>Carduelis tristis</i>	35.05	13.58	17.58
House Sparrow	<i>Passer domesticus</i>	27.32	27.84	15.74
Total Number of Species		110	104	117

¹ Based on 50 stops per route, 3-minute counts per stop, and representing the averages of the total counts along the route for the period 1966-2005.

² Source: Sauer *et al.* (2005), United States Geological Survey. 1966-2005 North American Breeding Bird Survey Database [Online].

³ The Watertown route is located approximately 10 miles southeast of the Project Area; the Ogdensburg route is located approximately 20 miles northeast; and the Philadelphia route is located approximately 30 miles east.

Table 3-13 (Sheet 1 of 3)

Avian Species Observed During Project Breeding Bird Surveys

Species/Group ¹	Number of Individuals	Number of Groups	Mean Use
Waterbirds			
Great Blue heron	4	4	0.1
Green heron	1	1	0.025
Ring-billed gull	47	6	1.175
Unidentified gull	38	2	0.95
Waterfowl			
Canada goose	27	4	0.675
Mallard	2	1	0.05
Shorebirds			
Killdeer	16	10	0.4
Raptors/Vultures			
American kestrel	2	2	0.05
Northern harrier ^T	4	3	0.1
Red-tailed hawk	4	3	0.1
Turkey vulture	9	7	0.225
Passerines			
American crow	53	11	1.325