

Table 2. Species list for the Rockwood CBC, 1975-2004.

| | # of counts | Mean per count ¹ | High number (year) | Mean per 10 PH | Comments |
|---|----------------------------|-----------------------------|--------------------|----------------|---|
| Snow Goose (<i>Chen caerulescens</i>) | 8 | 0.33 | 2 (1977, 1999) | 0.04 | |
| Brant (<i>Branta bernicla</i>) | 1 in 1987 in Essex Co., ON | | | | |
| Canada Goose (<i>Branta canadensis</i>) | 30 | 1837.80 | 6476 (1998) | 201.75 | |
| Mute Swan (<i>Cygnus olor</i>) | 26 | 220.13 | 2292 (2004) | 24.17 | The 2004 high total eclipsed the previous high of 611 partly due to the nearly 600 birds counted between Humbug Island and the mainland, the first time this area had been surveyed on the count. |
| Trumpeter Swan (<i>Cygnus columbianus</i>) | 2 in 1999 and 1 in 2003 | | | | |
| Tundra Swan (<i>Cygnus columbianus</i>) | 29 | 727.23 | 3696 (2004) | 79.84 | |
| Wood Duck (<i>Aix sponsa</i>) | 14 | 0.93 | 4 (2001) | 0.10 | |
| Gadwall (<i>Anas strepera</i>) | 23 | 142.43 | 654 (1999) | 45.64 | |
| American Wigeon (<i>Anas americana</i>) | 23 | 18.30 | 104 (1997) | 2.01 | |
| American Black Duck (<i>Anas rubripes</i>) | 30 | 258.67 | 653 (1999) | 24.4 | |
| Mallard (<i>Anas platyrhynchos</i>) | 30 | 2906.73 | 9634 (1999) | 319.10 | |
| Northern Shoveler (<i>Anas clypeata</i>) | 8 | 4.53 | 121 (2001) | 0.50 | |
| Northern Pintail (<i>Anas acuta</i>) | 14 | 5.97 | 47 (2001) | 0.66 | |
| Green-winged Teal (<i>Anas crecca</i>) | 7 | 1.27 | 20 (2001) | 0.14 | |
| Canvasback (<i>Aythya valisineria</i>) | 30 | 7534.67 | 67,202 (2003) | 827.15 | |
| Redhead (<i>Aythya americana</i>) | 30 | 172.20 | 3012 (1995) | 18.90 | |

| | | | | | |
|--|--|---------|-------------|--------|--|
| Ring-necked Duck (<i>Aythya collaris</i>) | 14 | 8.47 | 60 (2000) | 0.93 | |
| Greater Scaup (<i>Aythya marila</i>) | 29 | 386.37 | 6229 (1999) | 42.42 | |
| Lesser Scaup (<i>Aythya affinis</i>) | 27 | 22.07 | 138 (2001) | 2.42 | |
| King Eider (<i>Somateria spectabilis</i>) | 1 in 1979 in Wayne Co., MI | | | | |
| Surf Scoter (<i>Melanitta perspicillata</i>) | 1 in 1979 | | | | |
| White-winged Scoter (<i>Melanitta fusca</i>) | 1 in 1983 and 8 in 1993 | | | | |
| Long-tailed Duck (<i>Clangula hyemalis</i>) | 8 | 0.67 | 8 (1984) | 0.07 | |
| Bufflehead (<i>Bucephala albeola</i>) | 30 | 96.70 | 451 (1998) | 10.62 | |
| Common Goldeneye (<i>Bucephala clangula</i>) | 30 | 640.03 | 2729 (1995) | 70.26 | |
| Hooded Merganser (<i>Lophodytes cucullatus</i>) | 25 | 3.47 | 16 (2004) | 0.38 | |
| Common Merganser (<i>Mergus merganser</i>) | 30 | 1996.33 | 9567 (1992) | 219.16 | |
| Red-breasted Merganser (<i>Mergus serrator</i>) | 24 | 50.10 | 695 (1987) | 5.50 | |
| Ruddy Duck (<i>Oxyura jamaicensis</i>) | 21 | 79.03 | 682 (1975) | 8.68 | |
| Ring-necked Pheasant (<i>Phasianus colchicus</i>) | 30 | 12.47 | 80 (1975) | 1.37 | |
| Northern Bobwhite (<i>Colinus virginianus</i>) | 11 | 1.93 | 12 (1988) | 0.21 | |
| Common Loon (<i>Gavia immer</i>) | Singles in 1983, 1984, 1991, 1997 | | | | |
| Pied-billed Grebe (<i>Podilymbus podiceps</i>) | 11 | 1.00 | 10 (1991) | 0.11 | |
| Horned Grebe (<i>Podiceps auritus</i>) | 27 in 1987 and 1 in 1997 | | | | |
| Northern Gannet (<i>Morus bassanus</i>) | 1 in 2002 in Wayne Co., MI | | | | |
| Double-crested Cormorant (<i>Phalacrocorax auritus</i>) | 1 in 1989, 2 in 1994, 1 in 1998, and 4 in 2001 | | | | |

| | | | | | |
|--|---------------------------------------|--------|-------------|-------|--|
| American Bittern (<i>Botaurus lentiginosus</i>) | Singles in 1975, 1976, and 1977 | | | | |
| Least Bittern (<i>Ixobrychus exilis</i>) | 1 in 1998 | | | | |
| Great Blue Heron (<i>Ardea herodias</i>) | 30 | 80.67 | 216 (1992) | 8.86 | |
| Black-crowned Night-Heron (<i>Nycticorax nycticorax</i>) | 16 | 3.53 | 25 (1976) | 0.39 | |
| Turkey Vulture (<i>Cathartes aura</i>) | Singles in 1988 and 2003 | | | | |
| Bald Eagle (<i>Haliaeetus leucocephalus</i>) | 21 | 4.63 | 44 (2004) | 0.51 | |
| Northern Harrier (<i>Circus cyaneus</i>) | 26 | 5.03 | 14 (1989) | 0.55 | |
| Sharp-shinned Hawk (<i>Accipiter striatus</i>) | 24 | 2.63 | 10 (2004) | 0.29 | |
| Cooper's Hawk (<i>Accipiter cooperii</i>) | 28 | 5.97 | 13 (2002) | 0.66 | |
| Northern Goshawk (<i>Accipiter gentilis</i>) | 8 | 0.30 | 2 (2000) | 0.03 | |
| Red-shouldered Hawk (<i>Buteo lineatus</i>) | 22 | 1.37 | 5 (1977) | 0.15 | |
| Red-tailed Hawk (<i>Buteo jamaicensis</i>) | 30 | 48.20 | 95 (1989) | 5.29 | |
| Rough-legged Hawk (<i>Buteo lagopus</i>) | 20 | 2.57 | 11 (1989) | 0.28 | |
| American Kestrel (<i>Falco sparverius</i>) | 30 | 31.2 | 54 (1987) | 3.43 | |
| Peregrine Falcon (<i>Falco peregrinus</i>) | Singles in 1992, 2001, 2002, and 2003 | | | | |
| Virginia Rail (<i>Rallus limicola</i>) | 1 in 1978, 1 in 1980, and 2 in 1981 | | | | |
| American Coot (<i>Fulica americana</i>) | 25 | 430.70 | 3196 (1999) | 47.28 | |
| Sandhill Crane (<i>Grus canadensis</i>) | 1 in 2000 | | | | |
| Killdeer (<i>Charadrius vociferus</i>) | 11 | 1.07 | 9 (1978) | 0.12 | |
| Dunlin (<i>Calidris alpina</i>) | 6 in 1990, 2 in 1991, and 1 in 2003 | | | | |

| | | | | | |
|---|---|---------|-------------------|--------|--|
| Wilson's Snipe (<i>Gallinago gallinago</i>) | Singles in 1990 and 1997 | | | | |
| Little Gull (<i>Larus minutus</i>) | Singles in 1984 and 1998 | | | | |
| Bonaparte's Gull (<i>Larus philadelphia</i>) | 20 | 341.03 | 2295 (1984) | 37.44 | |
| Ring-billed Gull (<i>Larus delawarensis</i>) | 30 | 2607.03 | 26,404 (1984) | 286.20 | |
| Herring Gull (<i>Larus argentatus</i>) | 30 | 2825.00 | 15,106 (1975) | 310.13 | |
| Thayer's Gull (<i>Larus thayeri</i>) | 1 in 2004 | | | | |
| Iceland Gull (<i>Larus glaucooides</i>) | Singles in 1989 and 1999 | | | | |
| Lesser Black-backed Gull (<i>Larus fuscus</i>) | 1 in 1999 and 2 in 2004 | | | | |
| Glaucous Gull (<i>Larus hyperboreus</i>) | 12 | 0.80 | 5 (1980) | 0.09 | |
| Great Black-backed Gull (<i>Larus marinus</i>) | 29 | 187.13 | 1114 (1992) | 20.54 | |
| Forster's Tern (<i>Sterna forsteri</i>) | 1 in 1982 | | | | |
| Rock Pigeon (<i>Columba livia</i>) | 30 | 476.30 | 1346 (1991) | 52.29 | |
| Mourning Dove (<i>Zenaida macroura</i>) | 30 | 1291.43 | 3841 (1986) | 141.77 | |
| Barn Owl (<i>Tyto alba</i>) | 1 in 1975 | | | | |
| Eastern Screech-Owl (<i>Otus asio</i>) | 30 | 11.83 | 34 (1989) | 1.30 | |
| Great Horned Owl (<i>Bubo virginianus</i>) | 30 | 4.97 | 13 (1979) | 0.55 | |
| Snowy Owl (<i>Nyctea scandiaca</i>) | 12 | 0.70 | 3 (1986, 1987) | 0.08 | |
| Barred Owl (<i>Strix varia</i>) | Singles in 1981 and 1987 | | | | |
| Long-eared Owl (<i>Asio otus</i>) | 1 in 1991, 2 in 1995, 1 in 1999, 3 in 2001, and 1 in 2003 | | | | |
| Short-eared Owl (<i>Asio flammeus</i>) | 11 | 1.20 | 8 (1975) | 0.13 | |
| Northern Saw-whet Owl (<i>Aegolius acadicus</i>) | Singles in 1991, 1992, and 2003 | | | | |

| | | | | | |
|--|---------------------------------------|--------|-------------|-------|--|
| Belted Kingfisher (<i>Ceryle alcyon</i>) | 29 | 4.53 | 14 (1981) | 0.50 | |
| Red-headed Woodpecker (<i>Melanerpes erythrocephalus</i>) | 17 | 0.87 | 3 (1980) | 0.10 | |
| Red-bellied Woodpecker (<i>Melanerpes carolinus</i>) | 29 | 9.27 | 32 (2003) | 1.02 | |
| Yellow-bellied Sapsucker (<i>Sphyrapicus varius</i>) | 6 | 0.23 | 2 (1980) | 0.03 | |
| Downy Woodpecker (<i>Picoides pubescens</i>) | 30 | 92.87 | 160 (1995) | 10.19 | |
| Hairy Woodpecker (<i>Picoides villosus</i>) | 30 | 9.40 | 23 (1980) | 1.03 | |
| Northern Flicker (<i>Colaptes auratus</i>) | 30 | 37.43 | 78 (1987) | 4.11 | |
| Eastern Phoebe (<i>Sayornis phoebe</i>) | Singles in 1997 and 2004 | | | | |
| Northern Shrike (<i>Lanius excubitor</i>) | 16 | 0.97 | 4 (1995) | 0.11 | |
| Blue Jay (<i>Cyanocitta cristata</i>) | 30 | 150.47 | 239 (1996) | 16.52 | |
| American Crow (<i>Corvus brachyrhynchos</i>) | 30 | 576.10 | 2966 (1981) | 63.24 | |
| Horned Lark (<i>Eremophila alpestris</i>) | 29 | 139.20 | 970 (1985) | 15.28 | |
| Tree Swallow (<i>Tachycineta bicolor</i>) | 4 (together) in 2002 in Gibraltar, MI | | | | |
| Black-capped Chickadee (<i>Poecile atricapillus</i>) | 30 | 146.20 | 309 (1995) | 16.05 | |
| Tufted Titmouse (<i>Baeolophus bicolor</i>) | 30 | 41.23 | 97 (1997) | 4.53 | |
| Red-breasted Nuthatch (<i>Sitta canadensis</i>) | 29 | 5.43 | 17 (2003) | 0.60 | |
| White-breasted Nuthatch (<i>Sitta carolinensis</i>) | 30 | 42.67 | 83 (1989) | 4.68 | |
| Brown Creeper (<i>Certhia americana</i>) | 29 | 13.80 | 37 (1979) | 1.51 | |
| Carolina Wren (<i>Thryothorus ludovicianus</i>) | 21 | 7.23 | 38 (2003) | 0.79 | |
| Winter Wren (<i>Troglodytes troglodytes</i>) | 21 | 2.40 | 11 (1992) | 0.26 | |

| | | | | | |
|--|---|---------|-------------------|--------|--|
| Marsh Wren (<i>Cistothorus palustris</i>) | 2 in 1980, 6 in 1981, 3 in 1982, 1 in 1991, and 1 in 2003 | | | | |
| Golden-crowned Kinglet (<i>Regulus satrapa</i>) | 27 | 11.43 | 47 (2004) | 1.26 | |
| Ruby-crowned Kinglet (<i>Regulus calendula</i>) | 9 | 0.37 | 2 (1994, 2002) | 0.04 | |
| Eastern Bluebird (<i>Sialia sialis</i>) | 20 | 11.17 | 52 (1997) | 1.23 | |
| Hermit Thrush (<i>Catharus guttatus</i>) | 23 | 3.97 | 13 (1989) | 0.44 | |
| American Robin (<i>Turdus migratorius</i>) | 30 | 59.63 | 480 (2004) | 6.55 | |
| Gray Catbird (<i>Dumetella carolinensis</i>) | 7 | 0.33 | 3 (1989) | 0.04 | |
| Northern Mockingbird (<i>Mimus polyglottos</i>) | 7 | 0.30 | 2 (1993, 1995) | 0.03 | |
| Brown Thrasher (<i>Toxostoma rufum</i>) | 6 | 0.23 | 2 (1979) | 0.03 | |
| European Starling (<i>Sturnus vulgaris</i>) | 30 | 2976.03 | 11,649 (1987) | 326.71 | |
| American Pipit (<i>Anthus rubescens</i>) | Singles in 1991 and 2004 | | | | |
| Cedar Waxwing (<i>Bombycilla cedrorum</i>) | 29 | 109.63 | 621 (1999) | 12.04 | |
| Yellow Warbler (<i>Dendroica petechia</i>) | 1 in 1997 in Monroe Co., MI | | | | |
| Yellow-rumped Warbler (<i>Dendroica coronata</i>) | 28 | 33.13 | 152 (2002) | 3.64 | |
| Common Yellowthroat (<i>Geothlypis trichas</i>) | 3 in 1978, singles in 1979, 1995, and 1996 | | | | |
| Eastern Towhee (<i>Pipilo erythrophthalmus</i>) | 8 | 0.40 | 3 (1976) | 0.04 | |
| American Tree Sparrow (<i>Spizella arborea</i>) | 30 | 557.27 | 1482 (1975) | 61.18 | |
| Chipping Sparrow (<i>Spizella passerina</i>) | 4 in 2002 | | | | |
| Field Sparrow (<i>Spizella pusilla</i>) | 16 | 1.13 | 5 (1989) | 0.12 | |
| Savannah Sparrow (<i>Passerculus sandwichensis</i>) | 2 in 1976, 1 in 1977 | | | | |

| | | | | | |
|---|---|--------|-------------|-------|--|
| Sharp-tailed Sparrow sp. (<i>Ammodramus</i> sp.) | 1 in 1975, before the species was split into Nelson's Sharp-tailed Sparrow and Saltmarsh Sharp-tailed Sparrow, although it is highly likely this was Nelson's (<i>A. nelsoni</i>) | | | | |
| Fox Sparrow (<i>Passerella iliaca</i>) | 12 | 0.67 | 5 (2004) | 0.07 | |
| Song Sparrow (<i>Melospiza melodia</i>) | 30 | 108.43 | 361 (1975) | 11.9 | |
| Lincoln's Sparrow (<i>Melospiza lincolni</i>) | 1 in 1991 | | | | |
| Swamp Sparrow (<i>Melospiza georgiana</i>) | 30 | 34.87 | 119 (1981) | 3.93 | |
| White-throated Sparrow (<i>Zonotrichia albicollis</i>) | 30 | 47.10 | 155 (2004) | 5.17 | |
| White-crowned Sparrow (<i>Zonotrichia leucophrys</i>) | 16 | 2.27 | 24 (1980) | 0.25 | |
| Dark-eyed Junco (<i>Junco hyemalis</i>) | 30 | 308.77 | 674 (1975) | 33.9 | |
| Lapland Longspur (<i>Calcarius lapponicus</i>) | 13 | 2.27 | 16 (1993) | 0.25 | |
| Snow Bunting (<i>Plectrophenax nivalis</i>) | 25 | 153.87 | 1005 (1983) | 16.89 | |
| Northern Cardinal (<i>Cardinalis cardinalis</i>) | 30 | 232.03 | 498 (1995) | 25.47 | |
| Bobolink (<i>Dolichonyx oryzivorus</i>) | 1 in 2001 in Monroe Co., MI | | | | |
| Red-winged Blackbird (<i>Agelaius phoeniceus</i>) | 29 | 121.40 | 1560 (1988) | 13.33 | |
| Eastern Meadowlark (<i>Sturnella magna</i>) | 11 | 2.53 | 30 (1975) | 0.28 | |
| Yellow-headed Blackbird (<i>Xanthocephalus xanthocephalus</i>) | 1 in 1996 in Wayne Co., MI | | | | |
| Rusty Blackbird (<i>Euphagus carolinus</i>) | 18 | 47.37 | 1125 (1990) | 5.20 | |
| Brewer's Blackbird (<i>Euphagus cyanocephalus</i>) | 1 in 1991 | | | | |
| Common Grackle (<i>Quiscalus quiscula</i>) | 30 | 30.10 | 429 (1990) | 4.18 | |
| Brown-headed Cowbird (<i>Molothrus ater</i>) | 30 | 655.10 | 5318 (1990) | 71.92 | |

| | | | | | |
|---|---------------------------------------|---------|-------------|--------|--|
| Pine Grosbeak (<i>Pinicola enucleator</i>) | 6 in 1977 and 3 in 1985 | | | | |
| Purple Finch (<i>Carpodacus purpureus</i>) | 24 | 9.57 | 75 (1987) | 1.05 | |
| House Finch (<i>Carpodacus mexicanus</i>) | 22 | 248.30 | 904 (1991) | 27.26 | |
| Red Crossbill (<i>Loxia curvirostra</i>) | 6 (together) in 1984 in Wayne Co., MI | | | | |
| White-winged Crossbill (<i>Loxia leucoptera</i>) | 8 in 1997 | | | | |
| Common Redpoll (<i>Carduelis flammea</i>) | 10 | 8.50 | 170 (1985) | 0.93 | |
| Pine Siskin (<i>Carduelis pinus</i>) | 19 | 13.23 | 114 (1989) | 1.45 | |
| American Goldfinch (<i>Carduelis tristis</i>) | 30 | 201.97 | 461 (1997) | 22.17 | |
| Evening Grosbeak (<i>Coccothraustes vespertinus</i>) | 7 | 4.30 | 22 (1975) | 0.47 | |
| House Sparrow (<i>Passer domesticus</i>) | 30 | 1416.17 | 2369 (1982) | 155.47 | |

[†] Averaged across all 30 years, even for species not recorded annually.