

Miramichi Christmas Bird Count (\*\*\*) = seen during count period/ cw = seen during count week - see note at bottom of table)

|                            | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |    |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|
| Double-crested Cormorant   |      |      |      |      |      |      |      |      |      | 10   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |
| Great Blue Heron           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ***  |      |      |      |      |      |      |    |
| Canada Goose               |      |      |      | 1    |      |      |      |      |      | ***  |      |      |      |      |      |      |      |      |      |      |      | 24   |      |      |      |    |
| Barnacle Goose             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |
| Redhead                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |
| American Black Duck        |      |      | 1    |      |      |      |      | 2    | 1    | 13   |      | 6    |      |      |      | 2    |      |      |      |      | 1    |      |      |      | 14   |    |
| Mallard                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ***  |      |      |      |    |
| Common Goldeneye           |      |      |      |      | 1    |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |
| Barrow's Goldeneye         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |
| Common Merganser           | 3    |      | 12   |      |      | 2    |      | 1    |      |      | 15   |      |      |      |      |      |      |      |      |      |      |      |      |      | 6    |    |
| Red-breasted Merganser     |      | 14   | 8    |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      |    |
| Merganser Species**        |      |      |      |      |      |      |      |      |      | 370  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |
| Bald Eagle                 |      |      | 1    | ***  |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      | ***  | ***  | ***  | 1    | ***  |    |
| Northern Harrier           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ***  |      |      |      |      |      |      |    |
| Sharp-shinned Hawk         |      |      |      |      |      | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 3    | 1    |      | 1    |      | ***  |      | 1    | ***  | 1    |      | 2    | 1    |    |
| Cooper's Hawk              |      |      |      |      | ***  |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |    |
| Northern Goshawk           |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      | ***  |    |
| Red-tailed Hawk            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |
| Rough-legged Hawk          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |
| Ring-necked Pheasant       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ***  | 1    | 1    |      |    |
| Spruce Grouse              |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      | 1    |    |
| Ruffed Grouse              |      | 3    | 9    | ***  | ***  | 4    | 2    | 3    | 3    | 3    | 10   | 1    | 3    | 3    | 5    |      | ***  | 2    | 3    | 4    | 2    | 1    | 4    | 2    |      |    |
| Northern Bobwhite          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ***  |      |      |    |
| Ring-billed Gull           |      |      |      |      |      |      |      |      |      | 2    |      |      | 1    |      |      |      | 3    |      |      |      |      |      |      |      |      |    |
| Herring Gull               | 200  | 130  | 110  | 31   | 105  | 505  | ***  | 2    | 56   | 262  | 132  | 640  | 83   | 99   | 279  | 140  | 641  | 12   | 47   | 107  | 49   | 14   | 10   | 9    | 5    |    |
| Iceland Gull               |      | 1    |      |      | 3    |      |      |      | 2    |      | 40   | 2    |      |      | 1    |      | 1    |      | 1    | 2    |      |      |      |      |      |    |
| Glaucous Gull              | 2    | 1    |      |      | 3    | 4    | ***  |      |      | 2    | 3    | 3    | 8    | 1    | 10   | 1    | 25   | 1    | 2    | 3    | 11   |      | 2    |      | ***  |    |
| Great Black-backed Gull    | 200  | 170  | 325  | 8    | 87   | 337  | 3    | 1    | 26   | 395  | 141  | 43   | 193  | 88   | 179  | 110  | 649  | 8    | 54   | 84   | 61   | 2    | 36   | 1    | 55   |    |
| Rock Pigeon                | 110  | 90   | 67   | 47   | 75   | 91   | 155  | 185  | 103  | 226  | 110  | 149  | 203  | 218  | 65   | 190  | 299  | 119  | 149  | 372  | 320  | 173  | 199  | 425  | 314  |    |
| Mourning Dove              |      |      |      |      |      |      | ***  |      |      | 4    |      |      |      | ***  | 7    | 23   | 19   | 23   | 22   | 63   | 79   | 48   | 59   | 28   | 14   | 29 |
| Great Horned Owl           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |    |
| Snowy Owl                  |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      | ***  |      | ***  |      |      |      |    |
| Barred Owl                 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ***  | ***  |      |      |      |      |      |      |      |    |
| Short-eared Owl            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |
| Red-bellied Woodpecker     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |    |
| Downy Woodpecker           | 1    | 1    | 6    | 3    | 5    | 2    | 1    | 1    | 10   | 5    | 5    | 7    | 14   | 14   | 8    | 10   | 6    | 16   | 12   | 10   | 23   | 21   | 20   | 44   | 27   |    |
| Hairy Woodpecker           |      | 4    | 2    | 4    | 2    | 2    | 4    | 6    | 7    | 6    | 7    | 8    | 12   | 11   | 10   | 6    | 11   | 10   | 13   | 11   | 31   | 20   | 28   | 29   | 23   |    |
| Black-backed Woodpecker    |      |      |      |      |      |      |      |      | 2    | 7    | 1    |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      |    |
| American Three-toed Woodp. |      |      |      |      |      |      | 1    |      |      |      | 1    |      | 1    |      |      |      |      |      |      | 1    |      |      |      |      |      |    |
| Northern Flicker           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    |    |
| Pileated Woodpecker        |      |      | ***  |      |      |      | 3    |      | 2    |      |      |      | 2    | 1    | 2    | ***  | 2    | ***  | ***  |      | 1    | 3    | ***  | 2    | 2    |    |
| Horned Lark                |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3    |      |      |      |      |      | 2    |    |
| Canada Jay                 |      | 5    | 10   | 4    | 9    | 5    | 10   | 3    | 5    | 8    | 6    | 18   | 10   | 3    | 12   | 8    | 9    | ***  | 8    | 9    | 8    | 29   | 8    | 33   | 19   |    |
| Blue Jay                   | 14   | 23   | 85   | 93   | 61   | 119  | 91   | 138  | 126  | 67   | 74   | 132  | 167  | 80   | 134  | 110  | 52   | 61   | 69   | 115  | 78   | 78   | 39   | 103  | 151  |    |
| American Crow              | 4    | 8    | 1    | 3    | 23   | 10   | 3    | 9    | 2    | 20   | 32   | 17   | 23   | 41   | 17   | 32   | 34   | 18   | 16   | 8    | 14   | 53   | 21   | 12   | 18   |    |
| Common Raven               | 120  | 100  | 58   | 93   | 103  | 47   | 69   | 91   | 68   | 65   | 93   | 80   | 114  | 151  | 70   | 117  | 150  | 89   | 60   | 84   | 55   | 66   | 29   | 26   | 59   |    |
| Black-capped Chickadee     | 7    | 10   | 70   | 67   | 78   | 59   | 42   | 42   | 74   | 66   | 102  | 108  | 132  | 159  | 187  | 128  | 229  | 217  | 211  | 216  | 248  | 268  | 195  | 527  | 423  |    |
| Boreal Chickadee           |      | 13   | 15   | 19   | 20   | 2    | 5    | 5    | 6    | 3    | 9    | 11   | 4    | 4    | 4    | 3    | 5    | 4    |      | 6    | 1    | 1    | 1    |      |      |    |
| Red-breasted Nuthatch      |      | 4    |      | 6    | 9    | 1    | 1    | 1    | 1    | 1    | 6    |      |      | 8    | 5    | 7    | 34   | 10   | 18   | 10   | 24   | 12   | 16   | 50   | 30   |    |
| White-breasted Nuthatch    |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |    |
| Brown Creeper              |      |      | 3    | 2    | 2    |      |      |      |      | 1    | 3    |      |      | ***  | 3    | 1    | 2    | 1    | 4    |      | 3    | ***  |      |      | 1    |    |
| Carolina Wren              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |
| Golden-crowned Kinglet     |      |      |      |      | 5    |      |      | 1    | 7    |      | 1    | 31   |      | 5    |      |      | 17   |      |      | 4    |      | ***  |      |      | 1    |    |
| Gray-cheeked Thrush        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |
| Hermit Thrush              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |
| American Robin             |      | 1    |      | 1    | 5    |      | 2    | 2    |      |      | 2    |      | 3    | 2    |      |      | ***  | ***  | ***  | ***  | ***  | 2    | 8    | 2    | 24   |    |
| Varied Thrush              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ***  |      |    |
| Mistle Thrush              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |
| Northern Mockingbird       |      |      |      | ***  |      | 1    |      | 1    | ***  |      |      |      |      |      | ***  | ***  |      | ***  |      |      | 1    | 1    |      |      | 1    |    |
| Brown Thrasher             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    |
| Bohemian Waxwing           |      |      |      | 2    | 20   | 10   | 9    |      | 22   |      |      |      | ***  | 51   | 1    | 19   |      | 21   | 51   | 16   | 200  |      |      | 129  | 31   |    |

Miramichi Christmas Bird Count (\*\*\*) = seen during count period/ cw = seen during count week - see note at bottom of table)

|  | 1972        | 1973        | 1974        | 1975        | 1976        | 1977        | 1978        | 1979        | 1980        | 1981        | 1982        | 1983        | 1984        | 1985        | 1986        | 1987        | 1988        | 1989        | 1990        | 1991        | 1992        | 1993        | 1994        | 1995        | 1996        |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Cedar Waxwing  |             |             |             |             |             |             |             |             |             |             | 3           |             |             |             |             |             |             |             | 2           |             |             |             |             |             | 25          |
| Northern Shrike  |             |             | 1           |             | 2           | 1           |             |             |             |             |             |             | 1           |             |             | ***         | 1           | ***         | ***         | 1           |             |             |             | 1           | 1           |
| European Starling  | 40          | 42          | 66          | 78          | 87          | 175         | 84          | 184         | 147         | 281         | 324         | 480         | 441         | 795         | 662         | 997         | 744         | 386         | 403         | 474         | 244         | 294         | 584         | 430         | 709         |
| Black-throated Blue Warbler  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             | ***         |
| Yellow-rumped Warbler  |             |             |             |             |             |             |             | 1           |             |             |             |             | 1           |             |             |             |             |             |             |             |             | 2           |             |             |             |
| Pine Warbler   |             |             |             |             |             |             |             |             |             |             |             | 2           |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Yellow-breasted Chat   |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Dickcissel   |             | 1           |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Northern Cardinal  |             |             |             |             |             |             | 1           | 1           |             | 2           |             |             |             |             |             | 1           |             |             |             |             |             | ***         |             | 5           |             |
| American Tree Sparrow  |             |             | 10          | 14          | 52          | 2           | 2           | 15          | 15          | 8           |             | 9           | 2           | 41          | 11          | 24          | 8           | 27          | 10          | 12          | 22          | 16          | 24          | 82          | 27          |
| Field Sparrow  |             |             |             |             |             |             |             |             |             |             | ***         |             |             |             |             |             |             | ***         |             |             |             |             |             |             |             |
| Chipping Sparrow   |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Song Sparrow   |             |             |             | 1           | 2           |             |             | 3           |             | 1           | 1           |             |             | 5           | 1           |             |             | 1           | 1           |             |             |             |             |             |             |
| Swamp Sparrow  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             | 1           |             |             |             |             |             |             |             |
| Fox Sparrow  |             |             |             |             |             |             |             |             |             |             |             |             |             | 1           |             |             |             |             |             |             |             |             |             |             |             |
| White-throated Sparrow   |             |             |             |             | 8           | 2           |             |             |             |             |             |             | 2           | 1           | 1           | ***         |             |             |             |             |             |             |             |             | 1           |
| White-crowned Sparrow  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Dark-eyed Junco  |             | 2           |             | 12          | 14          |             |             | 2           | 4           |             |             |             | 5           | 8           | 5           | 15          | 5           | 5           | 12          | 6           | 26          | 17          | 17          | 20          | 47          |
| Lapland Longspur   |             |             |             |             |             |             |             | 1           |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Snow Bunting   |             | 3           | 1           | 105         | 238         | 1           | 136         | 69          | 56          |             | 2           | 4           | 100         | 165         | ***         | 163         | 7           | 123         | 8           |             | 100         |             | 50          | 30          | 113         |
| Red-winged Blackbird   |             | ***         | 2           | 1           | ***         | 1           | 1           | 2           |             |             |             |             |             |             |             | ***         |             |             |             |             |             |             |             |             |             |
| Rusty Blackbird  |             |             | 1           |             |             |             |             | 1           |             |             |             |             | 1           |             |             |             |             | 1           |             |             |             | ***         |             |             |             |
| Common Grackle   |             | 2           | 3           | 3           | 5           | 6           | 2           | 2           |             |             | 1           | 5           | 1           |             | ***         | ***         | 5           |             |             |             |             |             |             | 4           |             |
| Brown-headed Cowbird   | 2           | 6           | 13          | 4           | 2           |             |             |             |             | 2           | ***         |             | ***         |             |             |             | 4           | 1           |             |             | ***         |             |             |             |             |
| Baltimore Oriole   |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Pine Grosbeak  | 2           | 10          |             | 137         | 9           | 60          | 17          |             | 18          | 35          |             | 3           |             | 105         | 35          | 3           | ***         | 14          |             | ***         |             | ***         | 250         | 32          |             |
| Purple Finch   |             |             |             |             | 1           |             |             |             |             |             |             | 2           |             |             |             |             |             |             |             |             |             |             |             |             | 7           |
| House Finch  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             | ***         |             |             |             |             |             |             |             | 2           |
| Red Crossbill  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             | ***         |             |             | 24          |
| White-winged Crossbill   |             |             |             |             |             |             |             |             |             |             | 1           |             | 8           |             |             |             |             |             |             |             |             |             |             |             | 33          |
| Common Redpoll   |             |             | 80          | 107         | ***         | 67          | 86          |             | 74          | 545         |             | 48          |             | 313         | 686         | 136         | 43          | 76          | 3           | 241         |             | 174         | 18          | 151         |             |
| Hoary Redpoll  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Pine Siskin  |             |             |             |             | 30          |             |             | 30          |             |             |             |             | 1           | 1           |             | 37          | 62          |             | ***         | 4           |             | ***         |             |             |             |
| American Goldfinch   |             |             |             |             |             |             |             |             |             |             |             |             | 16          | 4           | 60          |             |             | 226         | 91          | 119         | 54          | 128         | 34          | 528         |             |
| Evening Grosbeak   |             | 30          | 42          | 1           | 113         | 3           | 198         | 119         | 78          | 22          | 205         | 240         | 190         | 442         | 277         | 421         | 616         | 81          | 156         | 350         | 244         | 174         | 326         | 529         |             |
| House Sparrow  | 1110        | 400         | 1200        | 654         | 742         | 875         | 495         | 334         | 594         | 515         | 273         | 410         | 733         | 640         | 204         | 225         | 213         | 73          | 8           | 45          | 44          |             |             | 1           |             |
| Unidentified Birds   |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Unidentified - Owl sp.   |             |             |             |             |             |             |             |             |             |             |             |             |             | 1           |             |             |             |             |             |             |             |             |             |             |             |
| Unidentified - Hawk sp.  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             | 1           |             |             |             | 2           |             |             |             | 1           |
| Unidentified - Gull sp.  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Unidentified - Finch sp.   |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Unidentified - Thrush sp.  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| <b>Total # Birds</b>   | <b>1815</b> | <b>1075</b> | <b>2210</b> | <b>1502</b> | <b>1921</b> | <b>2395</b> | <b>1424</b> | <b>1258</b> | <b>1510</b> | <b>2950</b> | <b>1605</b> | <b>2461</b> | <b>2478</b> | <b>3465</b> | <b>2899</b> | <b>2990</b> | <b>3902</b> | <b>1400</b> | <b>1615</b> | <b>2370</b> | <b>1985</b> | <b>1557</b> | <b>2049</b> | <b>2785</b> | <b>2952</b> |
| # Species - Count Day  | 14          | 27          | 30          | 29          | 33          | 29          | 27          | 32          | 28          | 33          | 31          | 28          | 32          | 33*         | 29          | 32          | 32          | 28          | 30          | 31          | 31          | 26          | 28*         | 33          | 32          |
| # Species - Count Week (cw)  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| # Species - Count Period (***)   | 0           | 1           | 1           | 3           | 4           | 0           | 3           | 0           | 2           | 1           | 1           | 0           | 4           | 1           | 3           | 6           | 5           | 6           | 7           | 3           | 5           | 12          | 4           |             | 4           |
| Total # Species  | 14          | 28          | 31          | 32          | 37          | 29          | 30          | 32          | 30          | 34          | 32          | 28          | 36          | 34          | 32          | 38          | 37          | 34          | 37          | 34          | 36          | 38          | 32          | 33          | 36          |
| Date of Count  | Dec-23      | Dec-29      | Dec-21      |             | Dec-19      | Dec-26      | Dec-23      | Dec-22      | Dec-27      | Dec-19      | Dec-27      | Dec-17      | Dec-29      | Dec-28      | Dec-27      | Jan-02      | Dec-28      | Dec-27      | Dec-27      | Dec-28      | Dec-28      |             | Dec-28      |             | Dec-28      |
| <b>Notes:</b>  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| cw - we began noting count week species in 2015; previously only noted count period species                                      |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| *added unidentified species to total # of species  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| **1981 - 370 Mergansers were recorded - combination of Common and R.B. Mergansers  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| 1992 - Gray-cheeked Thrush noted as ? By Harry Walker  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| 1996 - Purple Finch noted as ? By Harry Walker   |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| 1997 - Field Sparrow noted as ? By Harry Walker  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| 2017 - Mistle Thrush visiting Peter and Deana Gadd's feeders (473 Manny) starting Dec. 9 - first time recorded in North America! |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |

Miramichi Christmas Bird Count (\*\*\*) = seen during count period/ cw = seen during count week - see note at bottom of table

|                            | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015  | 2016 | 2017 | 2018 |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|
| Double-crested Cormorant   |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ***  |      |      |      | 2     |      |      |      |
| Great Blue Heron           |      | ***  |      |      |      |      |      |      |      |      |      |      | ***  | 1    |      |      |      |      |       |      |      |      |
| Canada Goose               |      | 17   | 1    | ***  | ***  |      |      |      |      |      |      |      |      | 5    | ***  | 7    |      | ***  | 51    |      |      |      |
| Barnacle Goose             |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ***  |      |      |      |       |      |      |      |
| Redhead                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      | 1    |      |
| American Black Duck        |      | 7    |      |      | 2    |      |      |      |      | 9    | 3    | 7    |      | 12   | 11   | 31   | 15   | 17   | 8     | 9    |      |      |
| Mallard                    |      |      |      |      |      |      |      | ***  | 5    | 9    | 29   | 34   | 57   | 41   | 87   | 82   | 49   | 40   | 127   | 66   | 140  | 198  |
| Common Goldeneye           |      |      |      |      | 2    |      |      |      |      |      |      |      | 6    | 19   | 2    |      |      |      | 21    | ***  |      |      |
| Barrow's Goldeneye         |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      |       |      |      |      |
| Common Merganser           |      | 1    | 90   | ***  | 580  | 59   | 41   |      |      | 31   |      | ***  | 2    | 18   | 123  |      |      | 7    | 1,061 |      | cw   |      |
| Red-breasted Merganser     |      |      |      |      | 11   | 12   |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |
| Merganser Species**        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |
| Bald Eagle                 | 1    | 1    | 1    | ***  | 1    | 2    | 3    | 3    | 1    | 3    | ***  | 3    | 4    | 5    | 6    | 2    | 1    | 6    | 5     | 1    | 4    | 2    |
| Northern Harrier           |      |      |      |      |      |      |      | ***  |      |      |      |      |      |      |      |      |      |      |       |      |      |      |
| Sharp-shinned Hawk         |      |      |      | 1    | ***  |      |      |      | 1    | 1    | 1    | ***  | 1    | ***  | 1    |      |      | 1    | ***   | ***  | 1    | ***  |
| Cooper's Hawk              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      | ***  |
| Northern Goshawk           |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |       |      |      |      |
| Red-tailed Hawk            |      |      |      |      | ***  |      |      |      |      |      |      |      |      |      |      |      |      | 1    |       |      |      |      |
| Rough-legged Hawk          |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |
| Ring-necked Pheasant       | 1    | 1    |      | 1    |      | 1    | ***  |      |      |      |      | 1    |      |      |      |      | 1    | 1    |       |      |      |      |
| Spruce Grouse              |      |      |      |      |      | 2    | 3    |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |
| Ruffed Grouse              | 4    | 4    | 3    | 7    | 3    | 1    | 9    | 18   | 2    | 2    | 5    | 5    | ***  | ***  | 5    |      | ***  | ***  | 1     |      | 2    |      |
| Northern Bobwhite          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |
| Ring-billed Gull           |      |      |      |      | 3    |      |      |      |      |      |      |      | ***  |      | 5    | 8    |      |      | 39    | ***  | cw   |      |
| Herring Gull               | 2    | 2    | 48   |      | 20   | 1    | 2    |      | ***  | 1    | 3    | ***  | 5    | 4    | 26   | 14   | 11   | 25   | 1     | 5    | 6    | 6    |
| Iceland Gull               |      |      |      |      | ***  |      |      |      |      |      |      |      | 4    |      | ***  | 1    | 6    | 1    | 6     | 1    |      |      |
| Glaucous Gull              |      | 1    | 5    |      |      | 2    |      |      | ***  |      |      |      |      | 1    | 1    |      |      | 1    | ***   | 2    | 3    |      |
| Great Black-backed Gull    | 22   | 2    | 45   | 2    | 40   |      | 15   |      | ***  | 16   | 3    | 7    | 22   | 20   | 27   | 18   | 5    | 19   | 68    | ***  | 3    | 6    |
| Rock Pigeon                | 206  | 245  | 252  | 259  | 187  | 295  | 308  | 187  | 409  | 274  | 235  | 495  | 300  | 365  | 191  | 191  | 281  | 404  | 379   | 281  | 382  | 514  |
| Mourning Dove              | 63   | 50   | 79   | 92   | 95   | 88   | 128  | 143  | 81   | 75   | 56   | 67   | 105  | 71   | 52   | 60   | 39   | 47   | 38    | 37   | 53   | 28   |
| Great Horned Owl           |      |      |      |      |      |      |      |      |      |      |      | ***  |      |      |      |      |      |      |       |      |      |      |
| Snowy Owl                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ***  |       |      |      |      |
| Barred Owl                 |      |      |      |      |      |      | 1    |      |      |      |      |      |      | ***  |      |      |      |      |       | ***  | cw   |      |
| Short-eared Owl            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ***   |      |      |      |
| Red-bellied Woodpecker     |      |      |      |      |      |      | 2    | 1    |      |      |      |      |      |      | 1    |      |      |      |       |      |      |      |
| Downy Woodpecker           | 33   | 25   | 31   | 25   | 22   | 28   | 35   | 30   | 20   | 19   | 23   | 25   | 17   | 19   | 11   | 8    | 9    | 10   | 9     | 10   | 8    | 8    |
| Hairy Woodpecker           | 30   | 30   | 21   | 15   | 30   | 19   | 23   | 31   | 20   | 19   | 19   | 17   | 16   | 22   | 14   | 7    | 13   | 7    | 11    | 9    | 9    | 14   |
| Black-backed Woodpecker    |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ***  |      |      |      |       |      |      |      |
| American Three-toed Woodp. |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |
| Northern Flicker           | 1    | 1    |      |      | ***  | ***  | 1    |      |      | ***  |      |      |      |      |      |      |      |      |       |      |      |      |
| Pileated Woodpecker        | 4    | ***  | 2    | 4    | 1    | 1    | 3    | ***  | 3    | 1    | ***  | 3    | 3    | 3    | 3    |      | ***  | 2    | cw    | 1    | 1    | 3    |
| Horned Lark                |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |
| Canada Jay                 | 16   | 16   | 15   | 15   | 13   | 15   | 8    | 4    | 7    | 1    | ***  | 3    | 4    | 1    | 1    | 2    |      | ***  | cw    | 4    | 1    | 4    |
| Blue Jay                   | 82   | 73   | 126  | 67   | 82   | 43   | 78   | 38   | 68   | 20   | 22   | 79   | 104  | 51   | 48   | 38   | 57   | 64   | 38    | 44   | 46   | 64   |
| American Crow              | 59   | 36   | 21   | 80   | 72   | 72   | 58   | 70   | 65   | 64   | 53   | 85   | 77   | 44   | 90   | 26   | 136  | 129  | 71    | 58   | 97   | 150  |
| Common Raven               | 31   | 83   | 32   | 32   | 48   | 56   | 17   | 73   | 32   | 10   | 13   | 30   | 17   | 61   | 16   | 12   | 11   | 27   | 5     | 13   | 14   | 3    |
| Black-capped Chickadee     | 404  | 276  | 279  | 264  | 295  | 240  | 393  | 357  | 402  | 169  | 293  | 321  | 190  | 238  | 232  | 156  | 49   | 218  | 119   | 135  | 118  | 170  |
| Boreal Chickadee           |      |      |      |      | ***  |      |      |      |      |      |      |      |      |      | ***  |      |      |      |       |      |      |      |
| Red-breasted Nuthatch      | 17   | 27   | 27   | 21   | 27   | 19   | 40   | 37   | 22   | 12   | 25   | 21   | 25   | 34   | 22   | 14   | 2    | 11   | 7     | 9    | 25   | 22   |
| White-breasted Nuthatch    | 3    |      | 4    | 5    | 2    |      | 1    |      |      |      |      |      | 2    | 1    |      |      |      | 1    |       |      | cw   |      |
| Brown Creeper              |      |      |      | 1    | 1    | ***  |      |      |      |      |      |      | ***  |      |      |      |      |      |       |      |      | 1    |
| Carolina Wren              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      | 1    |
| Golden-crowned Kinglet     |      |      |      | ***  |      | 2    | 1    |      |      |      |      | 1    | 6    | ***  | 2    |      |      | ***  |       | cw   | 3    |      |
| Gray-cheeked Thrush        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |
| Hermit Thrush              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |
| American Robin             |      | 1    | 6    | 95   | 1    | 2    | 4    | 15   | 4    | 50   |      | 1    | ***  | ***  | 4    | 2    |      | 2    | 1     |      | 4    | 1    |
| Varied Thrush              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |
| Mistle Thrush              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      | 1    |
| Northern Mockingbird       |      |      |      |      |      |      | ***  |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |
| Brown Thrasher             |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |
| Bohemian Waxwing           | 13   | ***  | 63   | 447  | 76   | 160  | 31   | 50   | 35   | 127  | 83   | 8    | 124  | ***  | 800  | 26   | ***  | 17   | 660   | cw   | 118  | 22   |

Miramichi Christmas Bird Count (\*\*\*) = seen during count period/ cw = seen during count week - see note at bottom of table)

|                                       | 1997        | 1998        | 1999        | 2000        | 2001        | 2002        | 2003        | 2004        | 2005        | 2006        | 2007        | 2008        | 2009        | 2010        | 2011        | 2012        | 2013        | 2014        | 2015        | 2016        | 2017        | 2018        |
|---------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Cedar Waxwing                         |             |             |             | 45          |             | ***         |             |             |             | 3           |             |             |             |             |             |             |             |             |             |             |             |             |
| Northern Shrike                       |             |             | ***         | ***         |             | 1           | 2           | ***         | 1           |             | ***         | 1           | 4           |             |             |             | ***         |             |             |             | cw          | 2           |
| European Starling                     | 412         | 380         | 246         | 486         | 408         | 471         | 703         | 312         | 383         | 548         | 259         | 316         | 333         | 436         | 882         | 225         | 227         | 340         | 225         | 248         | 345         | 177         |
| Black-throated Blue Warbler           |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Yellow-rumped Warbler                 |             |             |             |             |             | 1           | 2           |             |             | 2           |             |             |             |             |             |             |             |             |             |             |             |             |
| Pine Warbler                          |             | 4           | 1           |             |             |             |             |             |             | 1           |             |             |             |             |             | 1           |             |             |             |             |             |             |
| Yellow-breasted Chat                  |             |             |             |             |             |             |             |             |             | 1           |             |             |             |             |             |             |             |             |             |             |             |             |
| Dickcissel                            |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Northern Cardinal                     |             |             |             |             |             |             |             | ***         | 1           |             | ***         |             |             | ***         |             | 2           | 1           | 1           | cw          | ***         |             | 1           |
| American Tree Sparrow                 |             | 20          | 32          | 21          | 13          | 51          | 32          | 14          | 7           | ***         | 2           | 20          |             | 29          | 16          | 2           |             | 6           | cw          | 6           | 10          |             |
| Field Sparrow                         | 1           |             |             |             |             |             |             |             |             | 1           |             |             |             |             |             |             |             |             |             |             |             |             |
| Chipping Sparrow                      |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             | cw          |             |
| Song Sparrow                          |             |             |             | ***         | 1           | 1           | 2           |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Swamp Sparrow                         |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Fox Sparrow                           |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| White-throated Sparrow                |             |             |             | 4           |             | 1           | 4           | 2           | 2           |             | 1           |             |             |             | 1           | ***         |             |             |             |             | 1           | 1           |
| White-crowned Sparrow                 |             |             |             |             | 1           |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Dark-eyed Junco                       | 24          | 1           | 9           | 47          | 9           | 13          | 26          | 8           | 12          | 9           | 14          | 7           | ***         | 4           |             | 6           | 1           | 18          | 2           | 9           | ***         | 7           |
| Lapland Longspur                      |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Snow Bunting                          | 52          | 14          | ***         | 64          | 12          | 100         | 10          | 20          | 27          | 153         | 67          | 27          | 27          | 12          | 41          | 20          | 40          | 43          | 36          | 36          | 74          | cw          |
| Red-winged Blackbird                  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Rusty Blackbird                       |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Common Grackle                        | 1           | 3           | ***         | ***         |             |             | 2           |             | 1           |             |             |             |             |             | 1           | ***         |             |             |             |             |             |             |
| Brown-headed Cowbird                  |             | 4           | ***         | ***         |             |             |             |             |             | 2           |             |             |             |             |             |             |             |             |             |             |             |             |
| Baltimore Oriole                      |             |             |             |             |             |             |             |             |             | 1           |             |             |             |             |             |             |             |             |             |             |             |             |
| Pine Grosbeak                         | 37          | 6           | 36          |             | 15          | 5           | 33          | 10          | ***         |             | 282         | 9           |             |             |             | 5           |             | 1           |             |             | 5           | cw          |
| Purple Finch                          |             | 18          | 2           | 10          | 12          | 6           | 1           | 8           | 6           | 16          | 5           |             | 4           |             |             |             | 12          | 5           | ***         |             | ***         |             |
| House Finch                           | 8           | ***         | 2           |             | 6           | 12          | 17          | 4           | 3           |             |             | ***         |             |             |             |             |             |             |             | ***         |             |             |
| Red Crossbill                         |             |             | 5           |             | ***         |             |             |             |             |             | 14          |             | 2           |             |             |             |             |             |             |             |             |             |
| White-winged Crossbill                |             |             | 1           | 18          | 17          |             |             | 2           | 30          | 4           | ***         |             | 2           | ***         |             |             |             |             |             |             |             |             |
| Common Redpoll                        | 312         | 85          | 341         |             | 268         | 15          | 149         | ***         | 216         | ***         | 410         | 123         |             | 278         | 31          | 62          |             | 39          | 11          |             |             | 85          |
| Hoary Redpoll                         |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Pine Siskin                           | 30          | 3           |             | 28          | 10          |             | 18          |             | 8           | 3           | 3           |             | 5           | 9           |             |             |             | ***         |             |             | 8           | ***         |
| American Goldfinch                    | 43          | 449         | 1           | 232         | 22          | 94          | 35          | 305         | 83          | 136         | 8           | 40          | 177         | 23          | 91          | 3           | 152         | 2           | 89          | 47          | 85          | 8           |
| Evening Grosbeak                      | 187         | 112         | 184         | 184         | 76          |             | 102         | 237         | 102         | 184         | 1           | 51          | 103         | 58          | 116         |             |             | 81          | 26          | 16          |             | 25          |
| House Sparrow                         | 1           | 22          | ***         | 15          | 1           | 3           | 5           | 7           | 12          | 12          |             |             |             |             | 5           |             |             |             |             |             |             |             |
| Unidentified Birds                    |             |             |             | 20          | 77          |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Unidentified - Owl sp.                |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Unidentified - Hawk sp.               |             |             |             |             |             |             |             | 1           |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| Unidentified - Gull sp.               |             |             |             |             |             | 1           |             | 5           |             |             |             |             |             |             | 1           |             |             |             |             |             |             | 3           |
| Unidentified - Finch sp.              |             |             |             |             |             | 9           |             | 1           |             |             |             |             |             |             |             |             |             |             |             |             |             | 5           |
| Unidentified - Thrush sp.             |             |             |             |             |             | 1           |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| <b>Total # Birds</b>                  | <b>2100</b> | <b>2020</b> | <b>2011</b> | <b>2608</b> | <b>2563</b> | <b>1904</b> | <b>2349</b> | <b>1994</b> | <b>2074</b> | <b>1803</b> | <b>1982</b> | <b>1862</b> | <b>1645</b> | <b>1884</b> | <b>2852</b> | <b>1148</b> | <b>1118</b> | <b>1571</b> | <b>3142</b> | <b>1056</b> | <b>1552</b> | <b>1534</b> |
| # Species - Count Day                 | 31          | 35          | 33          | 32          | 40          | 36          | 42*         | 29*         | 34          | 36          | 28          | 31          | 30          | 29          | 35          | 31          | 22          | 33          | 30          | 26          | 27          | 28          |
| # Species - Count Week (cw)           |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             | 4           | 4           | 4           | 2           |
| # Species - Count Period (***)        |             | 4           | 5           | 8           | 7           | 3           | 6           | 6           | 5           | 3           | 7           | 5           | 6           | 8           | 6           | 3           | 5           | 5           | 4           | 7           | 2           | 3           |
| Total # Species                       | 31          | 39          | 38          | 40          | 47          | 39          | 48          | 35          | 39          | 39          | 35          | 36          | 36          | 37          | 41          | 34          | 27          | 38          | 38          | 37          | 33          | 33          |
| Date of Count                         | Dec-27      | Dec-28      |             |             |             | Dec-28      | Dec-29      | Dec-29      | Dec-28      | Dec-30      | Dec-29      | Dec-20      | Dec-27      | Jan-03      | Dec-18      | Dec-16      | Dec-29      | 20-Dec      | 20-Dec      | 02-Jan      | 17-Dec      | 16-Dec      |
| <b>Notes:</b>                         |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| cw - we began noting count week sp.   |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| *added unidentified species to total  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| **1981 - 370 Mergansers were recor    |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| 1992 - Gray-cheeked Thrush noted a    |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| 1996 - Purple Finch noted as ? By Ha  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| 1997 - Field Sparrow noted as ? By H  |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| 2017 - Mistle Thrush visiting Peter a |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |