

Sheet1

MUCKRACE SPECIES BY YEAR	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total yrs seen	
Greater white-fronted Goose												X	X							2	
Cackling Goose																		X		1	
Snow Goose	X					X		X	X	X		X		X	X	X	X	X		11	
Ross's Goose																			X	1	
Canada Goose	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Mute Swan	X	X	X	X		X	X	X	X	X		X	X			X			X	13	
Trumpeter Swan													X	X	X	X	X	X	X	7	
Tundra Swan														X						1	
Wood Duck	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Gadwall	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Eurasian Wigeon			X			X		X		X		X	X							6	
American Wigeon	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
American Black Duck	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Mallard	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Blue-winged Teal	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Northern Shoveler	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Northern Pintail	X	X	X	X		X			X	X	X	X	X	X	X	X	X	X	X	X	16
Green-winged Teal	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Canvasback				X	X		X					X								4	
Redhead	X				X	X	X	X	X	X	X	X	X	X	X				X	13	
Ring-necked Duck	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	16	
Greater Scaup		X														X			X	3	
Lesser Scaup									X	X				X		X				4	
(Scaup sp.)				X		X		X				X								4	
Common Goldeneye								X								X				2	
Hooded Merganser	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	18
Common Merganser		X	X	X		X		X							X		X		X	8	
Red-breasted Merganser					X	X		X		X								X		5	
Ruddy Duck				X		X	X	X	X	X	X	X		X	X	X	X		X	13	
Ring-necked Pheasant		X					X		X	X	X	X						X		7	
Ruffed Grouse		X	X	X	X	X	X	X	X	X	X	X	X	X		X			X	15	
Wild Turkey	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	18
Common Loon		X		X				X						X	X			X		6	
Pied-billed Grebe	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Am. White Pelican									X								X			2	
Double-cr. Cormorant	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
American Bittern	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Least Bittern	X			X	X	X	X	X	X	X	X		X			X	X	X	X	14	
Great Blue Heron	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Great Egret	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Little Blue Heron														X						1	
Cattle Egret																			X	1	
Green Heron	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19

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Black-crowned. Night-Heron		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	18
Glossy Ibis			X						X					X	X				4
Turkey Vulture	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Osprey	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Bald Eagle	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Northern Harrier	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Sharp-shinned Hawk	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Cooper's Hawk	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Northern Goshawk		X											X	X	X				4
Red-shouldered Hawk	X		X		X		X	X	X			X			X			X	9
Broad-winged Hawk				X	X	X	X	X	X	X	X	X	X		X		X	X	14
Red-tailed Hawk	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
American Kestrel	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Merlin	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	18
Peregrine Falcon	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	17
Virginia Rail	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Sora	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Common Gallinule	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Am. Coot		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	18
Sandhill Crane				X	X	X	X		X	X	X	X	X	X	X	X	X	X	15
Black-bellied Plover	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
American Golden-Plover	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	18
Semipalmated Plover	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Killdeer	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Spotted Sandpiper	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Solitary Sandpiper	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Greater Yellowlegs	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Willet	X																		1
Lesser Yellowlegs	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Upland Sandpiper									X				X						2
Whimbrel																	X		1
Hudsonian Godwit								X		X				X				X	4
Ruddy Turnstone	X			X		X	X	X										X	6
Red Knot												X		X					2
Sanderling		X				X	X	X	X	X		X	X	X			X	X	12
Semipalmated Sandpiper	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Western Sandpiper		X	X					X			X	X	X						6
Least Sandpiper	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
White-rumped Sandpiper	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Baird's Sandpiper		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	18
Pectoral Sandpiper	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Dunlin		X		X	X			X		X	X	X	X	X	X	X	X		13
Stilt Sandpiper	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Buff-breasted Sandpiper			X	X							X			X		X	X	X	7
Ruff														X					1
Short-billed Dowitcher	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19

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Long-billed Dowitcher	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	18
Wilson's Snipe	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	18
American Woodcock	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Wilson's Phalarope				X		X				X				X		X		X	X	7
Red-necked Phalarope										X		X		X		X	X			5
Am. Avocet																X				1
Bonaparte's Gull	X			X		X								X				X		5
Ring-billed Gull	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Herring Gull	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Lesser Black-backed Gull	X			X				X		X	X	X								6
Great Black-backed Gull	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	18
Caspian Tern	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		18
Black Tern						X	X	X												3
Common Tern			X	X					X		X			X	X		X			7
Rock Pigeon	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Mourning Dove	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Black-billed Cuckoo		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	17
Yellow-billed Cuckoo	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	18
Eastern Screech-Owl	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Great Horned Owl	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Barred Owl	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Long-eared Owl			X			X	X									X			X	6
Northern Saw-whet Owl										X					X	X		X	X	5
Common Nighthawk	X	X	X	X	X	X	X	X		X	X	X	X	X		X	X	X	X	17
Whip-poor-will						X										X				2
Chimney Swift	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Ruby-throated Hummingbird	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Belted Kingfisher	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Red-headed Woodpecker	X			X	X	X											X		X	6
Red-bellied Woodpecker	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Yellow-bellied Sapsucker		X			X	X	X		X	X		X	X	X		X	X		X	12
Downy Woodpecker	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Hairy Woodpecker	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Northern Flicker	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Pileated Woodpecker	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Olive-sided Flycatcher			X	X	X	X						X	X	X		X	X	X		10
Eastern Wood-Pewee	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Yellow-bellied Flycatcher				X	X	X		X		X	X	X	X	X	X	X	X		X	13
Acadian Flycatcher											X									1
Alder Flycatcher								X	X	X						X		X	X	6
Willow Flycatcher			X			X		X				X	X	X		X	X	X	X	10
(Traill's Flycatcher)		X		X			X				X	X	X					X		7
Least Flycatcher	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	18
Eastern Phoebe	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Great Crested Flycatcher	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Eastern Kingbird	X	X	X		X	X	X		X	X		X	X	X	X	X	X	X	X	16

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Yellow-throated Vireo	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19	
Blue-headed Vireo		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	18
Warbling Vireo	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Philadelphia Vireo	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Red-eyed Vireo	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Blue Jay	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
American Crow	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Fish Crow																	X				1
Common Raven												X	X			X			X		4
Horned Lark	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Purple Martin	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Tree Swallow	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
N. Rough-winged Swallow	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	18
Bank Swallow	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Cliff Swallow	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Barn Swallow	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	18
Black-capped Chickadee	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Tufted Titmouse	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Red-breasted Nuthatch	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	18
White-breasted Nuthatch	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Brown Creeper		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	18
Carolina Wren	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	17
House Wren	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Winter Wren	X	X	X	X	X	X	X		X	X		X	X	X						X	13
Sedge Wren							X			X		X		X							4
Marsh Wren	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Golden-crowned Kinglet		X	X	X	X		X		X	X			X			X	X	X			11
Ruby-crowned Kinglet	X	X	X	X			X	X	X	X	X	X	X			X	X	X	X	X	15
Blue-gray Gnatcatcher	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Eastern Bluebird	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Veery	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Gray-checked Thrush			X	X		X	X	X	X	X	X	X	X	X	X		X	X	X	X	15
Swainson's Thrush	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	18
Hermit Thrush		X	X	X		X	X	X	X	X	X	X			X					X	13
Wood Thrush	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
American Robin	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Gray Catbird	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Northern Mockingbird					X	X	X	X			X	X	X	X	X	X	X	X	X	X	13
Brown Thrasher	X			X					X	X	X	X	X	X	X	X	X	X			12
European Starling	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
American Pipit	X	X	X	X	X			X	X	X		X	X	X	X	X		X	X		15
Cedar Waxwing	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Blue-winged Warbler	X	X	X		X	X	X	X	X	X		X	X	X		X				X	15
Golden-winged Warbler						X	X														3
Tennessee Warbler	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Orange-crowned Warbler									X	X		X						X		X	5

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Nashville Warbler	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	18
Northern Parula		X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	17
Yellow Warbler	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	18
Chestnut-sided Warbler		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	18
Magnolia Warbler	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Cape May Warbler						X	X			X	X	X	X	X	X	X	X		X	11
Black-throated Blue Warbler	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Yellow-rumped Warbler	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	18
Black-throated Green Warbler	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Blackburnian Warbler	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Pine Warbler		X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	16
Prairie Warbler		X		X			X					X								4
Palm Warbler		X		X	X		X		X	X	X	X	X	X	X			X	X	14
Bay-breasted Warbler	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	18
Blackpoll Warbler	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Cerulean Warbler	X		X		X	X	X	X		X	X	X				X	X			11
Black-and-white Warbler	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Kentucky Warbler																X				1
Connecticut Warbler																X			X	2
American Redstart	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Ovenbird	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	18
Northern Waterthrush			X					X	X	X	X		X					X		7
(waterthrush sp.)						X														1
Mourning Warbler		X		X				X	X		X	X	X	X	X	X			X	11
Common Yellowthroat	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Hooded Warbler	X			X		X		X		X	X	X	X		X	X	X	X	X	13
Wilson's Warbler	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Canada Warbler		X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	16
Yellow-breasted Chat			X									X								2
Scarlet Tanager	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Eastern Towhee			X					X	X	X	X	X	X				X		X	9
Chipping Sparrow	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Clay-colored Sparrow											X									1
Field Sparrow	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Vesper Sparrow			X	X	X	X	X	X	X	X	X						X	X	X	12
Savannah Sparrow	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Grasshopper Sparrow				X			X										X		X	4
Nelson's Sharp-tailed Sparrow			X																	1
Fox Sparrow					X				X					X		X				4
Song Sparrow	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Lincoln's Sparrow			X	X		X			X	X		X	X	X	X		X	X	X	12
Swamp Sparrow	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
White-throated Sparrow	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Dark-eyed Junco	X	X		X					X		X	X	X		X	X	X			11
Northern Cardinal	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Rose-breasted Grosbeak	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19

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Indigo Bunting	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Dickcissel									X	X										2
Bobolink	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Red-winged Blackbird	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Eastern Meadowlark			X	X			X			X		X	X					X	X	8
Yellow-headedBlackbird														X					X	2
Rusty Blackbird	X		X					X		X	X						X		X	7
Common Grackle	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Brown-headed Cowbird	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Orchard Oriole									X											1
Baltimore Oriole	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	18
Purple Finch	X	X	X		X	X	X	X	X		X	X	X	X	X	X	X	X		16
House Finch	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	19
Red Crossbill												X								1
American Goldfinch	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	18
House Sparrow	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	18
Totals	155	165	172	179	163	178	174	180	182	187	178	188	183	185	169	183	182	175	188	243