

LEGEND:**APPENDIX 10****BIRD HABITATS IN KELTIC SITE AND MEADOW LAKE STUDY AREAS**

- Numbers represent the largest number of birds observed at any one time in any one habitat location.
- For these purposes, birds seen approximately 0.5 m offshore are included in the Keltic site counts.
- A **maximum** of 20 was used for most land birds; beyond this amount, counts become increasingly more estimated, and possibly less accurate. **Maxima** of 100 or 200, whichever seemed more appropriate, were used for estimates of birds that occur in large flocks.

Appendix 10 Bird Habitats in Keltic site study area and Meadow Lake study area

Species	Habitat															
	MCF	ICF	MMF	IMF	TS	LS	CST	CB	BF	MOW	FOW	MSL	FSL	OF	RO	FLO
Keltic Site Study Area																
Alder Flycatcher					8											
American Black Duck											1	14	4			
American Crow												3				10
American Goldfinch		6	6	6												
American Kestrel						1										
American Redstart			4	4												
Arctic Tern										6						
Bald Eagle																1
Barn Swallow																1
Belted Kingfisher																1
Black Guillemot										1						
Black-and-white Warbler		4	2													
Black-capped Chickadee			8		8											
Black-throated Green Warbler		8	8	12												
Blue Jay			4													
Boreal Chickadee	4		10	6												
Broad-winged Hawk																1
Brown Creeper		2		1												
Brown-headed Cowbird														2		
Canada Goose											10					
Cedar Waxwing			2													
Chesnut-sided Warbler			6													
Common Eider										100		9				
Common Grackle						4								6		
MCF = Mature Conifer Forest; ICF – Immature Conifer Forest; MMF = Mature Mixed Forest; IMF = Immature Mixed Forest; TS = Tall Shrub; LS = Low Shrub; CST = Conifer Swamp/Treed Bog; CB = Cobble/Gravel Beach; BF = Open Bog/Fen; MOW = Marine Open Water; FOW = Fresh Open Water; MSL = Marine Shoreline; FSL = Fresh water Shoreline; OF = Old Field; RO = Roadside; FLO = Fly-over																

Species	Habitat															
	MCF	ICF	MMF	IMF	TS	LS	CST	CB	BF	MOW	FOW	MSL	FSL	OF	RO	FLO
Common Loon										20						
Common Merganser											2					
Common Raven												2		2		8
Common Scoter										35						
Common Tern										6						
Common Yellowthroat	2		8	6	10											
Dark-eyed Junco	1			14	2	4										
Double-crested Cormorant										60						12
Downy Woodpecker			1													
European Starling														8		
Golden-crowned Kinglet	8	6	8													
Gray Jay				2												
Great Black-backed Gull										6						3
Great Blue Heron													1			1
Greater Yellowlegs				1				4								
Green-winged Teal											15					
Hairy Woodpecker			2													
Hermit Thrush		10	2													
Herring Gull										80		35				30
Least Sandpiper								9								
Magnolia Warbler		10		8	6											
Merlin																2
Mourning Dove		2														
Nashville Warbler				2												
Northern Flicker			4		1								2		13	
Northern Harrier												1				2
Old Squaw										200						

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Species	Habitat															
	MCF	ICF	MMF	IMF	TS	LS	CST	CB	BF	MOW	FOW	MSL	FSL	OF	RO	FLO
Osprey																1
Palm Warbler						8			2							
Pine Grosbeak			1													
Pine Siskin			8													
Purple Finch			6													
Red Crossbill	4															
Red-breasted Merganser											9					
Red-breasted Nuthatch			10	1												
Red-eyed Vireo		1	1													
Red-necked Grebe										6						
Ring-necked Pheasant																1
Robin			8	8										10	6	
Roseate Tern										1						
Ruby-crowned Kinglet			8													
Ruffed Grouse			1													
Sanderling								3								
Savannah Sparrow												1		1		
Semipalmated Plover								18								
Semipalmated Sandpiper								27								
Sharp-shinned hawk																2
Short-eared Owl						2										
Snow Bunting												100				
Solitary Vireo		1		4												
Song Sparrow				7		6			3			3		3		
Spotted Sandpiper												10				
Spruce Grouse																1
Surf Scoter										100						
Swainson's Thrush	10		8													

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Species	Habitat															
	MCF	ICF	MMF	IMF	TS	LS	CST	CB	BF	MOW	FOW	MSL	FSL	OF	RO	FLO
Swamp Sparrow				2	2											
Tree Swallow																9
Veery						1										
Water Pipet												2				
Whimbrel																1
White-throated Sparrow				4	10	8										
White-winged Crossbill			4													
White-winged Scoter										25						
Willet													4			
Winter Wren			5													
Yellow Warbler					4											
Yellow-bellied Flycatcher		2			1											
Yellow-rumped Warbler		20	20	10	8											
Total	29	72	155	98	60	34	0	61	5	646	37	180	11	32	21	86
Meadow Lake Study Area																
Alder Flycatcher				4		10										
American Crow													6			10
American Goldfinch					4											
American Redstart				12	4				4							
Bald Eagle																2
Bay-breasted Warbler				1												
Belted Kingfisher																2
Black-and-white Warbler	8	6														
Blackburnian Warbler	2															
Black-capped Chickadee			4	15												
Black-throated Green Warbler	20	10	20													
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Species	Habitat															
	MCF	ICF	MMF	IMF	TS	LS	CST	CB	BF	MOW	FOW	MSL	FSL	OF	RO	FLO
Blue Jay				1												
Boreal Chickadee	4		2													
Cape May Warbler	1															
Cedar Waxwing			20													
Chesnut-sided Warbler			6													
Common Grackle															15	
Common Loon											2					
Common Merganser											12					
Common Raven																4
Common Snipe																1
Common Yellowthroat				20	2	2										
Dark-eyed Junco				20		10										
Double-crested Cormorant											6					
European Starling															6	
Golden-crowned Kinglet	8		10													
Gray Jay			2				2									
Great Black-backed Gull											2					
Greater Yellowlegs							1									
Hairy Woodpecker			2													
Hermit Thrush	20			2												
Herring Gull											16					
Least Flycatcher						2										
Magnolia Warbler		20	20	6												

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Species	Habitat															
	MCF	ICF	MMF	IMF	TS	LS	CST	CB	BF	MOW	FOW	MSL	FSL	OF	RO	FLO
Nashville Warbler				2												
Northern Flicker															8	
Northern Harrier						1										
Osprey																2
Palm Warbler						20	2									
Purple Finch	2															
Red-eyed Vireo			8	4												
Red-tailed Hawk																2
Ring-necked Duck											10					
Robin			6	20												
Ruby-crowned Kinglet			20	10	4											
Ruby-throated Hummingbird					1											
Ruffed Grouse															4	
Semipalmated Plover													20			
Sharp-shinned Hawk																1
Solitary Sandpiper													1			
Solitary Vireo	4	8	8													
Song Sparrow				4												
Spotted Sandpiper													4			
Spruce Grouse		2														
Swamp Sparrow					6	2	2									
Tree Swallow																6
White-throated Sparrow				8		6										
Yellow Warbler				2												
Yellow-bellied Flycatcher			3													
Yellow-rumped Warbler		20	20	20	20											
Total	69	66	121	151	12	53	7	0	4	0	48	0	31	0	33	30

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