

INTRODUCTION

The tables and other information in this section will help you customize the Birds in Forested Landscapes project for your geographic area or particular interests. The first table lists which species breed in each state and province. After identifying the species that you can potentially study, you should check the individual species accounts located in the *References: Species Accounts* section of this manual for detailed range maps and habitat preferences. This will narrow down the choice of species that you can survey for at any particular study site. The summary table of breeding chronology can then be used to plan when to make your visits to each study site. From the list of possible species, you may choose to survey for as few or as many species as you feel comfortable studying.

We have also included other information such as identification and behavior tips for some species or species groups. We hope to be able to add more of these tips in future years of the BFL project.

WHICH SPECIES CAN I STUDY?

Distribution of BFL study species by state and province

The following table shows which species breed in each state or province. If a species can be found throughout a state or province, or if it breeds in many localities within a state, it is indicated by a diamond (◆). If the breeding distribution is restricted to a small area within the state or province, a letter is used to indicate where the species may be found. Please see the individual species accounts for detailed range maps and habitat information.

- ◆ breeds in most or all of the state or province
- M mountains only
- C center only
- N north only
- E east only
- S south only
- W west only
- NE northeast only
- SE southeast only
- SW southwest only
- NW northwest only

TABLE 3

	AK	AL	AR	AZ	CA	CO	CT	DC	DE	FL	GA
Sharp-shinned Hawk	◆	N		M	◆	◆	◆	◆	◆		N
Yellow-bellied Sapsucker	E						NW				
Veery				E		◆	◆	◆	N		M
Bicknell's Thrush											
Black-throated Blue Warbler							◆				M
Blackburnian Warbler							◆				M
Bay-breasted Warbler											
Canada Warbler							◆				M
Broad-winged Hawk		◆	◆				◆	◆	◆	N	◆
Eastern Wood-Pewee		◆	◆				◆	◆	◆	N	◆
Wood Thrush		◆	◆				◆	◆	◆	N	◆
Cerulean Warbler		N	◆				◆	◆	N		N
Worm-eating Warbler		◆	◆				◆	◆	◆	NW	N
Louisiana Waterthrush		◆	◆				◆	◆	◆	N	◆
Brown-headed Nuthatch		◆	S						S	◆	◆
Red-headed Woodpecker		◆	◆			E	◆	◆	◆	◆	◆
Red-shouldered Hawk		◆	◆		◆		◆	◆	◆	◆	◆
Acadian Flycatcher		◆	◆				◆	◆	◆	N	◆
Yellow-throated Vireo		◆	◆				◆	◆	◆	N	◆
Northern Parula		◆	◆					◆	◆	◆	◆
Prothonotary Warbler		◆	◆				◆	◆	◆	N	◆
Swainson's Warbler		◆	◆							N	◆
Kentucky Warbler		◆	◆					◆	◆	NW	◆
Hooded Warbler		◆	◆				◆	◆	◆	N	◆
Red-breasted Sapsucker	SE				◆						
Williamson's Sapsucker				NE	M	W					
Lewis's Woodpecker				N	◆	◆					
White-headed Woodpecker					M						
Olive-sided Flycatcher	◆			N	◆	M					
Chestnut-backed Chickadee	SE				N						
Cassin's Vireo					◆						
Swainson's Thrush	◆			N	M	M					
Hermit Thrush	S			M	◆	◆	◆				
Varied Thrush	◆				NW						
Black-throated Gray Warbler				M	◆	◆					
Hermit Warbler					◆						
Townsend's Warbler	SE										
Cooper's Hawk		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Yellow-billed Cuckoo		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Willow Flycatcher			N	◆	◆	W	◆	◆	◆		
Strickland's Woodpecker				SE							
Greater Pewee				M							
Bridled Titmouse				M							
Grace's Warbler				M		SW					
Red-faced Warbler				M							
Scott's Oriole				M	S	W					
Nuttall's Woodpecker					◆						
Oak Titmouse					◆						

(Continued)

	IA	ID	IL	IN	KS	KY	LA	MA	MD	ME	MI
Sharp-shinned Hawk	◆	◆		◆	E	◆		◆	M	◆	◆
Yellow-bellied Sapsucker	N							W	M	◆	◆
Veery		◆	N	N		M		◆	◆	◆	◆
Bicknell's Thrush										M	
Black-throated Blue Warbler						M		◆	M	◆	◆
Blackburnian Warbler						M		◆	M	◆	◆
Bay-breasted Warbler										◆	N
Canada Warbler						M		◆		◆	◆
Broad-winged Hawk	◆		◆	◆	NE	◆	◆	◆	◆	◆	◆
Eastern Wood-Pewee	◆		◆	◆	E	◆	◆	◆	◆	◆	◆
Wood Thrush	◆		◆	◆	E	◆	◆	◆	◆	◆	◆
Cerulean Warbler	◆		◆	◆	E	◆		◆	◆		◆
Worm-eating Warbler	E		◆	S	E	◆	◆	◆	◆		S
Louisiana Waterthrush	◆		◆	◆	E	◆	◆	◆	◆	SW	S
Brown-headed Nuthatch							◆		S		
Red-headed Woodpecker	◆		◆	◆	◆	◆	◆	◆	◆		◆
Red-shouldered Hawk	E		◆	◆	E	◆	◆	◆	◆	◆	◆
Acadian Flycatcher	◆		◆	◆	E	◆	◆	◆	◆		S
Yellow-throated Vireo	◆		◆	◆	E	◆	◆	◆	◆	SW	◆
Northern Parula	S		◆	S	E	◆	◆		◆	◆	N
Prothonotary Warbler	◆		◆	◆	E	◆	◆		◆		S
Swainson's Warbler			S	S		◆	◆				
Kentucky Warbler	◆		◆	◆	E	◆	◆		◆		
Hooded Warbler	SE		◆	◆	E	◆	◆		◆		S
Red-breasted Sapsucker											
Williamson's Sapsucker		M									
Lewis's Woodpecker		◆									
White-headed Woodpecker		M									
Olive-sided Flycatcher		◆								◆	N
Chestnut-backed Chickadee		N									
Cassin's Vireo		N									
Swainson's Thrush		◆						W	M	◆	N
Hermit Thrush		◆						◆	M	◆	◆
Varied Thrush		N									
Black-throated Gray Warbler		S									
Hermit Warbler											
Townsend's Warbler		N									
Cooper's Hawk	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Yellow-billed Cuckoo	◆	S	◆	◆	◆	◆	◆	◆	◆	S	◆
Willow Flycatcher	◆	◆	◆	◆	E			◆	◆	S	S
Strickland's Woodpecker											
Greater Pewee											
Bridled Titmouse											
Grace's Warbler											
Red-faced Warbler											
Scott's Oriole		S									
Nuttall's Woodpecker											
Oak Titmouse											

(Continued)

	MN	MO	MS	MT	NC	ND	NE	NH	NJ	NM	NV
Sharp-shinned Hawk	◆		N	◆	M	◆	◆	◆	◆	M	◆
Yellow-bellied Sapsucker	◆				M	E		◆			
Veery	◆			◆	M	◆		◆	N	W	NE
Bicknell's Thrush								M			
Black-throated Blue Warbler	NE				M			◆	N		
Blackburnian Warbler	N				M			◆	N		
Bay-breasted Warbler	N							N			
Canada Warbler	◆				M			◆	N		
Broad-winged Hawk	◆	◆	◆		◆			◆	◆		
Eastern Wood-Pewee	◆	◆	◆		◆	E	E	◆	◆		
Wood Thrush	◆	◆	◆		◆	S	E	◆	◆		
Cerulean Warbler	◆	◆			◆		E		N		
Worm-eating Warbler		◆	◆		◆				◆		
Louisiana Waterthrush	SE	◆	◆		◆		E	◆	◆		
Brown-headed Nuthatch			◆		◆						
Red-headed Woodpecker	◆	◆	◆	E	◆	◆	◆		◆	E	
Red-shouldered Hawk	◆	◆	◆		◆		SE	◆	◆		
Acadian Flycatcher		◆	◆		◆		E		◆		
Yellow-throated Vireo	◆	◆	◆		◆	E	E	◆	◆		
Northern Parula	N	◆	◆		◆		SE	◆			
Prothonotary Warbler	SE	◆	◆		◆		SE		◆		
Swainson's Warbler		S	◆		◆						
Kentucky Warbler		◆	◆		◆		E		◆		
Hooded Warbler		◆	◆		◆				◆		
Red-breasted Sapsucker											W
Williamson's Sapsucker				W						NW	M
Lewis's Woodpecker				◆			W			◆	◆
White-headed Woodpecker											W
Olive-sided Flycatcher	N			W				◆		NW	◆
Chestnut-backed Chickadee				NW							
Cassin's Vireo				W							W
Swainson's Thrush	N			◆				◆		N	NE
Hermit Thrush	N			◆				◆	N	M	◆
Varied Thrush				NW							
Black-throated Gray Warbler										◆	◆
Hermit Warbler											
Townsend's Warbler				NW							
Cooper's Hawk	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Yellow-billed Cuckoo	◆	◆	◆	SE	◆		◆	◆	◆	◆	S
Willow Flycatcher	◆	◆		◆	M	◆	◆	◆	◆	◆	◆
Strickland's Woodpecker										SW	
Greater Pewee										SW	
Bridled Titmouse										SW	
Grace's Warbler										M	S
Red-faced Warbler										M	
Scott's Oriole										◆	◆
Nuttall's Woodpecker											
Oak Titmouse											

(Continued)

	NY	OH	OK	OR	PA	RI	SC	SD	TN	TX	UT
Sharp-shinned Hawk	◆	◆		◆	◆	◆		◆	◆	SW	◆
Yellow-bellied Sapsucker	◆				◆			E	M		
Veery	◆	N		NE	◆	◆		W	M		N
Bicknell's Thrush	M										
Black-throated Blue Warbler	◆				◆		M		M		
Blackburnian Warbler	◆	E			◆				M		
Bay-breasted Warbler	M										
Canada Warbler	◆				◆	◆			M		
Broad-winged Hawk	◆	◆	E		◆	◆	◆		◆	E	
Eastern Wood-Pewee	◆	◆	◆		◆	◆	◆	E	◆	E	
Wood Thrush	◆	◆	E		◆	◆	◆	◆	◆	E	
Cerulean Warbler	◆	◆	E		◆	◆		E	◆		
Worm-eating Warbler	S	◆	E		◆	◆	◆		◆	E	
Louisiana Waterthrush	◆	◆	E		◆	◆	◆		◆	E	
Brown-headed Nuthatch			SE				◆		S	E	
Red-headed Woodpecker	◆	◆	◆		◆		◆	◆	◆	◆	
Red-shouldered Hawk	◆	◆	E		◆	◆	◆		◆	E	
Acadian Flycatcher	◆	◆	E		◆	◆	◆	SE	◆	E	
Yellow-throated Vireo	◆	◆	E		◆	◆	◆	E	◆	E	
Northern Parula	◆	◆	E		◆		◆		◆	E	
Prothonotary Warbler	◆	◆	E		◆		◆		◆	E	
Swainson's Warbler		S	E				◆		◆	E	
Kentucky Warbler	SE	◆	E		◆		◆		◆	E	
Hooded Warbler	◆	◆	E		◆	◆	◆		◆	E	
Red-breasted Sapsucker				W							
Williamson's Sapsucker				M							M
Lewis's Woodpecker			W	◆				W			◆
White-headed Woodpecker				M							
Olive-sided Flycatcher	M			◆							◆
Chestnut-backed Chickadee				◆							
Cassin's Vireo				◆							
Swainson's Thrush	M			◆	M			W			◆
Hermit Thrush	◆			M	◆	◆				W	◆
Varied Thrush				◆							
Black-throated Gray Warbler				◆							◆
Hermit Warbler				W							
Townsend's Warbler				◆							
Cooper's Hawk	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Yellow-billed Cuckoo	◆	◆	◆		◆	◆	◆	◆	◆	◆	◆
Willow Flycatcher	◆	◆	NE	◆	◆	◆		◆	M	W	◆
Strickland's Woodpecker											
Greater Pewee											
Bridled Titmouse											
Grace's Warbler										W	S
Red-faced Warbler											
Scott's Oriole										W	◆
Nuttall's Woodpecker											
Oak Titmouse				SW							

(Continued)

	VA	VT	WA	WI	WV	WY	AB	BC	MB	NB	NF
Sharp-shinned Hawk	M	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Yellow-bellied Sapsucker	M	◆		◆	M		◆	N	◆	◆	◆
Veery	M	◆	E	◆	M	◆	S	SE	S	◆	SW
Bicknell's Thrush		M								M	
Black-throated Blue Warbler	M	◆		N	◆					◆	
Blackburnian Warbler	M	◆		N	◆		C		S	◆	SW
Bay-breasted Warbler		N					N	NE	◆	◆	S
Canada Warbler	M	◆		◆	M		N	NE	◆	◆	
Broad-winged Hawk	◆	◆		◆	◆		C		S	◆	
Eastern Wood-Pewee	◆	◆		◆	◆				S	◆	
Wood Thrush	◆	◆		◆	◆					◆	
Cerulean Warbler	◆	W		◆	◆						
Worm-eating Warbler	◆			S	◆						
Louisiana Waterthrush	◆	◆		W	◆						
Brown-headed Nuthatch	E										
Red-headed Woodpecker	◆	W		◆	◆	E			S		
Red-shouldered Hawk	◆	◆		◆	◆					S	
Acadian Flycatcher	◆			S	◆						
Yellow-throated Vireo	◆	◆		◆	◆				S		
Northern Parula	◆	◆		N	◆				SE	◆	
Prothonotary Warbler	◆			S	◆						
Swainson's Warbler	◆				S						
Kentucky Warbler	◆			S	◆						
Hooded Warbler	◆			SE	◆						
Red-breasted Sapsucker			W					◆			
Williamson's Sapsucker			M			M		S			
Lewis's Woodpecker			E			◆	SW	SE			
White-headed Woodpecker			M					S			
Olive-sided Flycatcher		◆	◆	N		◆	◆	◆	◆	◆	◆
Chestnut-backed Chickadee			◆					◆			
Cassin's Vireo			◆				SW	S			
Swainson's Thrush	M	◆	◆	N	M	◆	◆	◆	◆	◆	◆
Hermit Thrush		◆	M	N	E	◆	◆	◆	◆	◆	◆
Varied Thrush			◆				SW	◆			
Black-throated Gray Warbler			W			◆		SW			
Hermit Warbler			SW								
Townsend's Warbler			◆				SW	◆			
Cooper's Hawk	◆	◆	◆	◆	◆	◆	S	S	S	W	
Yellow-billed Cuckoo	◆	◆		◆	◆	E					
Willow Flycatcher	M	◆	◆	◆	◆	◆	S	S	S	◆	
Strickland's Woodpecker											
Greater Pewee											
Bridled Titmouse											
Grace's Warbler											
Red-faced Warbler											
Scott's Oriole						SW					
Nuttall's Woodpecker											
Oak Titmouse											

(Continued)

	NS	NT	ON	PE	QC	SK	YT
Sharp-shinned Hawk	◆	SW	◆	◆	◆	◆	◆
Yellow-bellied Sapsucker	◆	SW	◆	◆	◆	◆	S
Veery	◆		◆	◆	S	S	
Bicknell's Thrush	M				S		
Black-throated Blue Warbler	◆		S	◆	S		
Blackburnian Warbler	◆		◆	◆	S	C	
Bay-breasted Warbler	◆	SW	◆	◆	S	◆	
Canada Warbler	◆		◆	◆	S	C	
Broad-winged Hawk	◆		◆	◆	S	C	
Eastern Wood-Pewee	◆		S	◆	S	SE	
Wood Thrush	S		S		S		
Cerulean Warbler			S		S		
Worm-eating Warbler							
Louisiana Waterthrush			S				
Brown-headed Nuthatch							
Red-headed Woodpecker			S		S	S	
Red-shouldered Hawk			S		S		
Acadian Flycatcher			S				
Yellow-throated Vireo			S		S		
Northern Parula	◆		S	◆	S		
Prothonotary Warbler			S				
Swainson's Warbler							
Kentucky Warbler							
Hooded Warbler			S				
Red-breasted Sapsucker							
Williamson's Sapsucker							
Lewis's Woodpecker							
White-headed Woodpecker							
Olive-sided Flycatcher	◆	SW	◆	◆	◆	◆	◆
Chestnut-backed Chickadee							
Cassin's Vireo							
Swainson's Thrush	◆	SW	◆	◆	◆	◆	◆
Hermit Thrush	◆	SW	◆	◆	◆	◆	S
Varied Thrush		W					◆
Black-throated Gray Warbler							
Hermit Warbler							
Townsend's Warbler							◆
Cooper's Hawk	S		S		S	S	
Yellow-billed Cuckoo			S		S		
Willow Flycatcher			S		S	S	
Strickland's Woodpecker							
Greater Pewee							
Bridled Titmouse							
Grace's Warbler							
Red-faced Warbler							
Scott's Oriole							
Nuttall's Woodpecker							
Oak Titmouse							

Summary of breeding chronology

This table gives a rough idea of the breeding chronology for each BFL study species. In general, you should use earlier dates in southern parts of the breeding range or at lower elevations, and later dates in northern parts of the breeding range or at higher elevations. Feel free to use personal knowledge or local references to fine-tune the table for your area. You may be able to find a more detailed breeding chronology for your state or province in a local birdfinding guide or breeding bird atlas.

TABLE 4

	<i>Spring arrival</i>	<i>Eggs in nest</i>	<i>Young in nest</i>	<i>Fledglings</i>	<i>Fall departure</i>
Sharp-shinned Hawk	resident in many areas	late April–mid-July	late May–mid-Aug	late June–early Sept	resident in many areas
Yellow-bellied Sapsucker	late April–late May	May and June	late May–June	late June–July	late Aug–early Nov
Veery*	late April–mid-May	late May–mid-July	early June–late July	mid-June–mid-Aug	late Aug–early Oct
Bicknell’s Thrush	late May–mid-June	early June–early July	late June–late July	early July–early Aug	mid-Aug–early Oct
Black-throated Blue Warbler*	late April–mid-May	mid-May–early Aug	early June–late Aug	mid-June–early Sept	late Aug–early Sept
Blackburnian Warbler	mid-April–mid-May	late May–mid-July	early June–late July	mid-June–early Aug	Aug–Sept
Bay-breasted Warbler	mid-May–June	late May–early July	late June–late July	early July–early Aug	mid-Aug–Sept
Canada Warbler	early May–early June	late May–late July	early June–early Aug	mid-June–mid-Aug	mid-July–late Aug
Broad-winged Hawk	early April–May	late April–early June	mid-May–mid-Aug	late June–Aug	mid-Aug–early Oct
Eastern Wood-Pewee	early April–early June	mid-May–early Sept	late May–late Sept	mid-June–Oct	mid-Aug–early Nov
Wood Thrush*	mid-April–late May	mid-May–late July	early June–mid-Aug	mid-June–late Aug	mid-Aug–late Sept
Cerulean Warbler	early April–late May	late April–early July	mid-May–early Aug	June–Aug	late July–early Oct
Worm-eating Warbler	mid-April–mid-May	late May–mid-July	mid-June–late July	late June–mid-Aug	mid-July–Sept
Louisiana Waterthrush	mid-March–late April	mid-April–early July	late April–late July	mid-May–Aug	mid-July–Aug
Brown-headed Nuthatch*	mostly resident	early March–late May	mid-March–mid-June	mid-April–mid-July	mostly resident
Red-headed Woodpecker*	late March–late May	mid-May–early Aug	late May–early Sept	early July–late Sept	late Aug–early Nov

* = multiple brooded

(Continued)

	Spring arrival	Eggs in nest	Young in nest	Fledglings	Fall departure
Red-shouldered Hawk	resident or Feb.– April	late March– early May	late April– mid-July	early June– Sept	resident or mid-Oct
Acadian Flycatcher*	early April– mid-May	late April– mid-July	mid-May– late July	June– Aug	late July– Oct
Yellow-throated Vireo	mid-March– early June	mid-May– mid-July	early June– late July	mid-June– Aug	mid-Aug– Oct
Northern Parula	mid-February– late May	early April– mid-July	late April– mid-Aug	early May– Aug	Aug– Oct
Prothonotary Warbler*	mid-March– mid-May	early April– mid-July	late April– late July	mid-May– Aug	late July– mid-Aug
Swainson’s Warbler	late March– early May	early May– late July	mid-May– early Aug	early June– late Aug	mid-Aug– mid-Oct
Kentucky Warbler	early April– mid-May	late April– late July	late May– mid-Aug	early June– early Sept	late July– mid-Sept
Hooded Warbler*	early March– mid-May	mid-May– late July	late May– early Aug	early June– early Sept	early Aug– late Sept
Red-breasted Sapsucker	resident or early April	mid-May– mid-June	June– mid-July	July	resident or Sept
Williamson’s Sapsucker	resident or Mar–mid-May	early May– mid-June	mid-May– late July	mid-June– early Aug	resident or mid-Aug–Oct
Lewis’s Woodpecker	resident or early May	late April– late Aug	mid-May– late Sept	mid-June– Oct	resident or late Aug–Sep
White-headed Woodpecker	resident	early May– late June	mid-May– mid-Aug	mid-June– late Aug	resident
Olive-sided Flycatcher	mid-April– mid-June	late May– late July	mid-June– late Aug	mid-July– mid-Sept	late July– Oct
Chestnut-backed Chickadee	mostly resident	mid-March early June	April– June	May– July	mostly resident
Cassin’s Vireo*	late March– late May	late April– early July	mid-May– late July	June– Aug	Sept– early Nov
Swainson’s Thrush	early May– early June	late May– early Aug	late June– mid-Aug	late June– late Aug	late Aug– mid-Oct
Hermit Thrush*	late April– late May	mid-May– early Aug	early June– mid-Aug	mid-June– late Aug	late Aug– mid-Oct
Varied Thrush*	late March– late April	mid-May– early July	mid-June– late July	early July– mid-Aug	late Aug– late Oct
Black-throated Gray Warbler	mid-March– late May	early May– late June	late May– mid-July	mid-June– July	early Aug– Oct
Hermit Warbler	mid-April– mid-May	early May– late June	late May– mid-July	mid-June– July	mid-July– mid-Oct
Townsend’s Warbler	early April– late May	mid-May– late June	early June– late July	mid-June– early Aug	early Aug– early Oct

(Continued)

	<i>Spring arrival</i>	<i>Eggs in nest</i>	<i>Young in nest</i>	<i>Fledglings</i>	<i>Fall departure</i>
Cooper's Hawk	resident in many areas	early April–mid-June	mid-May–mid-July	late June–mid-Sept	resident in many areas
Yellow-billed Cuckoo	April–June	mid-May–early Sept	early June–early Oct	mid-June–Oct	late Aug–Nov
Willow Flycatcher	early May–early June	late May–early Aug	mid-June–late Aug	late June–mid-Sept	late July–late Sept
Strickland's Woodpecker	resident	mid-April–mid-June	early May–late June	early June–early July	resident
Greater Pewee	late March–mid-April	mid-May–early July	late May–mid-July	mid-June–early Aug	early Sept–late Sept
Bridled Titmouse	mostly resident	mid-April–mid-June	early May–late July	late May–Aug	mostly resident
Grace's Warbler*	mid-March–late April	early May–late June	late May–mid-July	June–July	Aug–early Sept
Red-faced Warbler	early April–late May	early May–late June	late May–mid-July	mid-June–July	late July–mid-Sept
Scott's Oriole*	mid-March–mid-May	late April–late June	mid-May–mid-July	June–July	July–mid-Oct
Nuttall's Woodpecker	resident	April–late May	mid-April–mid-June	May–July	resident
Oak Titmouse	resident	mid-March–late June	early April–mid-July	late April–mid-Aug	resident