

## Supplementary Material

### Density dependent refueling of migratory songbirds during stopover within an urbanizing coastal landscape

Emily B. Cohen, Jill M. Lafleur, Frank R. Moore

#### 1.1 Supplementary Tables

**Supplementary Table 1.** Species and foraging groups detected on transect surveys during 2011 and 2012 spring migration in paired small and large forested habitat patches along the coast of Mississippi, U.S..

Species	Foraging group	Large Sites		Small Sites		Total
		DAV	SHE	DON	HEL	
American Redstart	Canopy/Subcanopy	1		2		3
Black-and-white Warbler	Canopy/Subcanopy	3				3
Blackpoll Warbler	Canopy/Subcanopy			2		2
Blue Grosbeak	Canopy/Subcanopy	2			1	3
Blue-winged Warbler	Canopy/Subcanopy				2	2
Eastern Kingbird	Canopy/Subcanopy	5		2	3	10
Great Crested Flycatcher	Canopy/Subcanopy	30	17	12	13	72
Hooded Warbler	Understory	9	4	5	3	21
Indigo Bunting	Understory		1	1	4	6
Kentucky Warbler	Understory	1		1		2
Magnolia Warbler	Canopy/Subcanopy	2	1	2		5
Northern Parula	Canopy/Subcanopy	5	1		1	7
Northern Waterthrush	Ground			3	1	4
Orchard Oriole	Canopy/Subcanopy			3	3	6
Ovenbird	Ground	2	1		2	5
Painted Bunting	Canopy/Subcanopy				1	1
Prothonotary Warbler	Canopy/Subcanopy	3	4	6	3	16
Red-eyed Vireo	Canopy/Subcanopy	4	3	1		8
Rose-breasted Grosbeak	Canopy/Subcanopy			1	2	3
Ruby-throated Hummingbird	Canopy/Subcanopy	1	2	5	7	15
Scarlet Tanager	Canopy/Subcanopy		1	1	1	3
Summer Tanager	Canopy/Subcanopy			3		3
Swainson's Warbler	Ground		1			1
Swainson's Thrush	Ground			1	2	3
Unknown thrush species	Ground	1		4		5
Wood Thrush	Ground	3	3	3		9

Worm-eating Warbler	Canopy/Subcanopy	2	2		1	5
Yellow Warbler	Canopy/Subcanopy	1		2	2	5
Yellow-bellied Flycatcher	Canopy/Subcanopy			1		1
Yellow-billed Cuckoo	Canopy/Subcanopy		2	1		3
Yellow-throated Vireo	Canopy/Subcanopy	2	1			3
Yellow-throated Warbler	Canopy/Subcanopy	2		1		3
<b>Total</b>		73	50	63	52	238

**Supplementary Table 2.** Species composition of birds tested for refueling performance during 2011 and 2012 spring migration in paired small and large habitat patches along the coast of Mississippi, U.S..

	Large Sites		Small Sites		
	DAV	SHE	DON	HEL	
Net hours	999	704	345	642	
Capture Rates	0.01	0.02	0.13	0.05	
<b>Species</b>					<b>Total</b>
American Redstart ( <i>Setophaga ruticilla</i> )		1		2	3
Black-and-white Warbler ( <i>Mniotilta varia</i> )				1	1
Eastern Wood Pewee ( <i>Contopus virens</i> )				1	1
Hooded Warbler ( <i>Setophaga citrina</i> )	1	2	4		7
Great Crested Flycatcher ( <i>Myiarchus crinitus</i> )	2		1	1	4
Grey-cheeked Thrush ( <i>Catharus minimus</i> )		1	1	5	7
Indigo Bunting ( <i>Passerina cyanea</i> )	1		4		5
Louisiana Waterthrush ( <i>Parkesia motacilla</i> )	1		3		4
Magnolia Warbler ( <i>Setophaga magnolia</i> )				1	1
Northern Parula ( <i>Setophaga americana</i> )				1	1
Northern Waterthrush ( <i>Parkesia noveboracensis</i> )			2	2	4
Orchard Oriole ( <i>Icterus spurius</i> )			2	2	4
Ovenbird ( <i>Seiurus aurocapilla</i> )	1	4	4	4	13
Painted Bunting ( <i>Passerina ciris</i> )			2		2
Prothonotary Warbler ( <i>Protonotaria citrea</i> )			3	1	4
Red-eyed Vireo ( <i>Vireo olivaceus</i> )		4	1	1	6
Rose-breasted Grosbeak ( <i>Pheucticus ludovicianus</i> )			1	1	2
Summer Tanager ( <i>Piranga rubra</i> )		2		2	4
Swainson's Thrush ( <i>Catharus ustulatus</i> )	4		4	4	12
Veery ( <i>Catharus fuscescens</i> )	1		1	3	5
Wood Thrush ( <i>Hylocichla mustelina</i> )	2		6		8
Worm-eating Warbler ( <i>Helmitheros vermivorum</i> )	1	1	2		4
Yellow-breasted Chat ( <i>Icteria virens</i> )			2	2	4
Yellow-billed Cuckoo ( <i>Coccyzus americanus</i> )		1			1
<b>Total</b>	14	16	43	34	107