

Supplementary Material. Classification of bird species from a Mexican wetland in a hierarchical system of foraging guilds (FG) nested within trophic guilds (TG). The following categories of trophic resources are classified as being of minor (Min), significant (Sig), and major (Maj) importance: (1) vegetative parts of terrestrial plants; (2) fruit; (3) nectar; (4) terrestrial seeds; (5) terrestrial, arboreal and aerial invertebrates; (6) soil and leaf-litter invertebrates; (7) herpetofauna; (8) birds and mammals; (9) plankton and aquatic plant matter; (10) aquatic invertebrates of the water column and surface; (11) aquatic infauna; (12) crabs; (13) aquatic vertebrates; and (14) carrion. ‘Ex’ denotes species excluded from TG’s on account of: (1) abundance fluctuations; (2) ecology; (3) carrion-based diet; or (4) generalist diet. Roman numerals indicate species excluded from FG’s due to: (I) nocturnal feeding; (II) specialized microhabitat; (III) opportunistic foraging; (IV) specialized foraging technique; (V) minimal foraging. Nomenclature follows the American Ornithologists’ Union 2015 check-list of North American birds.

Species	TG	FG	Min	Sig	Maj	References
<i>Ortalis</i>	t1	a	4	1,2		Eguiarte & Martínez del Rio, 1985;
<i>poliocephala</i>						Moermond & Denslow, 1985
<i>Patagioenas</i>	t1	a		4	2	Greenberg et al., 1997; Rappole et al.,
<i>flavirostris</i>						1993; Wheelwright et al., 1984
<i>Zenaida</i>	t1	a		4	2	Pruitt et al., 2008; Rappole et al., 1983
<i>asiatica</i>						
<i>Trogon</i>	t1	a		5	2	Eguiarte & Martínez del Rio, 1985;
<i>citreolus</i>						Greenberg & Bichier, 2005; Remsen et al., 1993

<i>Eupsittula</i>	t1	a	1	2,3,4	Matuzac et al., 2008
<i>canicularis</i>					
<i>Amazona</i>	t1	a	1	2,3,4	Matuzac et al., 2008
<i>albifrons</i>					
<i>Saltator</i>	t1	a	1,3,4	2,5	Eguiarte & Martínez del Rio, 1985;
<i>coerulescens</i>					Herrera et al., 2006; Hutto, 1994;
					Moermond & Denslow, 1985;
					Wheelwright et al., 1984
<i>Icterus</i>	t1	a		1,2,3,	Gryj et al., 1990; Rappole et al., 1983
<i>spurius</i>				5	
<i>Icterus</i>	t1	a		2,3,5	Eguiarte & Martínez del Rio, 1985;
<i>pustulatus</i>					Gryj et al., 1990; Herrera et al., 2006;
					Hutto, 1994; Rappole et al., 1983
<i>Cassiculus</i>	t1	a		2,3,5	Eguiarte & Martínez del Rio, 1985;
<i>melanicterus</i>					Gryj et al., 1990; Herrera et al., 2006
<i>Leptotila</i>	t1	a	5	2,4	Greenberg et al., 1997; Herrera et al.,
<i>verreauxi</i>					2003, 2006; Wheelwright et al., 1984
<i>Turdus</i>	t1	a	3,5,6	2	Gryj et al., 1990; Hutto, 1994
<i>rufopalliatus</i>					
<i>Icteria</i>	t1	a	3	2,5	Gryj et al., 1990; Parrish, 1997;
<i>virens</i>					Rappole et al., 1983

<i>Piranga</i> <i>rubra</i>	t1	a	3	2,5	Coates-Estrada & Estrada, 1986; Gryj et al., 1990; Moermond & Denslow, 1985; Rappole et al., 1983; Wheelwright et al., 1984
<i>Arremonops</i> <i>rufivirgatus</i>	t1	b		2,4,5	Herrera et al., 2006; Howell & Webb, 1995
<i>Cardinalis</i> <i>cardinalis</i>	t1	b		2,4,5	Baldwin et al., 2008; McGraw et al., 2003; Poulin et al., 1994 (congener)
<i>Columbina</i> <i>inca</i>	t1	b	5	4	Herrera et al., 2006; Pérez & Bulla, 2000
<i>Columbina</i> <i>talpacoti</i>	t1	b	5	4	Herrera et al., 2006
<i>Cyanocompsa</i> <i>parellina</i>	t1	b	3	2,4	Coates-Estrada & Estrada, 1986; Gryj et al., 1990; Hutto, 1994
<i>Sporophila</i> <i>minuta</i>	t1	b		4	Poulin et al., 1994 (congener)
<i>Sporophila</i> <i>torqueola</i>	t1	b		4	Poulin et al., 1994 (congener)
<i>Empidonax</i> <i>difficilis</i>	t2	c		2,5	Parrish, 1997 (congener); Rappole et al., 1983
<i>Empidonax</i> <i>minimus</i>	t2	c		2,5	Parrish, 1997; Rappole et al., 1983

<i>Empidonax</i>	t2	c	2,5	Eckhardt, 1979; Parrish, 1997;
<i>traillii</i>				Rappole et al., 1983
<i>Megarynychus</i>	t2	c	2,5	Greenberg & Bichier, 2005;
<i>pitangua</i>				Wheelwright et al., 1984
<i>Myiarchus</i>	t2	c	2,5	Hutto, 1994; Rappole et al., 1983
<i>cinerascens</i>				
<i>Myiarchus</i>	t2	c	2,5	Herrera et al., 2006; Moermond &
<i>tyrannulus</i>				Denslow, 1985; Poulin et al., 1994;
				Rappole et al., 1983
<i>Myiozetetes</i>	t2	c	2,5	Eguiarte & Martínez del Rio, 1985;
<i>similis</i>				Herrera et al., 2006; Wheelwright et
				al., 1984
<i>Vireo</i>	t2	c	2,5	Morton, 1977
<i>flavoviridis</i>				
<i>Vireo</i>	t2	c	2,5	Parrish, 1993; Rappole et al., 1983;
<i>gilvus</i>				Root, 1967
<i>Helimaster</i>	t2	d	3,5	Arizmendi & Ornelas, 1990; Gryj et
<i>constantii</i>				al., 1990; Remsen et al., 1986
<i>Amazilia</i>	t2	d	3,5	Arizmendi & Ornelas, 1990; Gryj et
<i>rutila</i>				al., 1990; Remsen et al., 1986
<i>Archilochus</i>	t2	d	3,5	Arizmendi & Ornelas, 1980; Courter et
<i>colubris</i>				al., 2013; Rappole et al., 1983

<i>Agelaius</i>	t2	e	2	4	5	Best, 2001; Krauss & Yasukawa,
<i>phoeniceus</i>						2013; Rappole et al., 1983;
<i>Attila</i>	t2	e	2	7	5	Herrera et al., 2003; Poulin et al.,
<i>spadiceus</i>						1999; 2001; Sherry & McDade, 1982;
<i>Camptostoma</i>	t2	e		2	5	Fitzpatrick, 1980; Hutto, 1994;
<i>imberbe</i>						Rappole et al., 1983
<i>Campylorhynchus</i>	t2	e			5	Greenberg & Bichier, 2005
<i>rufinucha</i>						
<i>Cardellina</i>	t2	e	3	2	5	Greenberg & Bichier, 2005; Gryj et al.,
<i>pusilla</i>						1990; Hutto, 1981; Parrish, 1997;
						Rappole et al., 1983
<i>Catharus</i>	t2	e		2,5,6		Coates-Estrada & Estrada, 1986;
<i>ustulatus</i>						Moermond & Denslow, 1985; Parrish,
						1997; Rappole et al., 1983;
						Wheelwright et al., 1984
<i>Contopus</i>	t2	e	2		5	Eckhardt, 1979; Rappole et al., 1983
<i>sordidulus</i>						
<i>Crotophaga</i>	t2	e	2,7		5	Greenberg & Bichier, 2005;
<i>sulcirostris</i>						Vehrencamp, 1978; Wheelwright et
						al., 1984; Wunderle, 1981
<i>Geothlypis</i>	t2	e	3		5	Hutto, 1981; Parrish, 1997; Rappole et
<i>tolmiei</i>						al., 1983

<i>Geothlypis</i>	t2	e		2	5	Hutto, 1981; Parrish, 1997; Rappole et
<i>trichas</i>						al., 1983
<i>Icterus</i>	t2	e	3	2	5	Pleasants, 1981
<i>gularis</i>						
<i>Icterus</i>	t2	e	3	2	5	Pleasants, 1981 (congener); Wunderle,
<i>pectoralis</i>						1978
<i>Mniotilta</i>	t2	e	2,3		5	Greenberg & Bichier, 2005; Gryj et al.,
<i>varia</i>						1990; Parrish, 1997; Rappole et al.,
						1983
<i>Morococcyx</i>	t2	e	6,7		5	Fleming & Hooker, 1975; Skutch,
<i>erythropygus</i>						1966
<i>Pachyrhamphus</i>	t2	e	2	5		Greenberg et al., 1997; Hutto 1994
<i>aglaiae</i>						
<i>Passerculus</i>	t2	e		4,5,6		Rappole et al., 1983
<i>sandwichensis</i>						
<i>Pheugopedius</i>	t2	e	2		5	Greenberg & Bichier, 2005; Herrera et
<i>felix</i>						al., 2006 (congener); pers. obs.
<i>Polioptila</i>	t2	e			5	Greenberg & Bichier, 2005; Root,
<i>albiloris</i>						1967
<i>Setophaga</i>	t2	e	3	2	5	Parrish, 1997; Rappole et al., 1983
<i>americana</i>						
<i>Setophaga</i>	t2	e	2		5	Greenberg et al., 1997; Parrish, 1997;

<i>petechia</i>						Rappole et al., 1983
<i>Setophaga</i>	t2	e	2		5	Parrish, 1997; Poulin et al., 1994;
<i>ruticilla</i>						Rappole et al., 1983
<i>Thryophilus</i>	t2	e	2,6		5	Herrera et al., 2006; Hutto, 1994
<i>pleurostictus</i>						
<i>Vireo</i>	t2	e		2	5	Coates-Estrada & Estrada, 1986;
<i>bellii</i>						Rappole et al., 1983
<i>Vireo</i>	t2	e	3	2	5	Gryj et al., 1990; Hutto, 1994; Parrish,
<i>hypochryseus</i>						1997; Rappole et al., 1983;
						Wheelwright et al., 1984
<i>Campephilus</i>	t2	f			5	Askins, 1983; Greenberg et al., 1997;
<i>guatemalensis</i>						Hutto, 1994
<i>Dryocopus</i>	t2	f			5	Askins, 1983; Greenberg et al., 1997
<i>lineatus</i>						
<i>Melanerpes</i>	t2	f	3	2	5	Eguiarte & Martínez del Rio, 1985;
<i>chrysogenys</i>						Gryj et al., 1990; Hutto, 1994
<i>Hirundo</i>	t2	g	2		5	Rappole et al., 1983
<i>rustica</i>						
<i>Petrochelidon</i>	t2	g	2		5	Rappole et al., 1983
<i>pyrrhonota</i>						
<i>Progne</i>	t2	g			5	Howell & Webb, 1995
<i>chalybea</i>						
<i>Stelgidopteryx</i>	t2	g			5	Howell & Webb, 1995

serripennis

<i>Streptoprocne</i>	t2	g			5	Rowley & Orr, 1965
<i>zonaris</i>						
<i>Tachycineta</i>	t2	g			5	Moore et al., 1999
<i>albilinea</i>						
<i>Tyrannus</i>	t2	g	2		5	Hutto, 1994; Rappole et al., 1983
<i>crassirostris</i>						
<i>Tyrannus</i>	t2	g		2	5	Fitzpatrick, 1980; Moermond &
<i>melancholicus</i>						Denslow, 1985; Rappole et al., 1983;
						Wheelwright et al., 1984
<i>Nyctidromus</i>	t2	I			5	Howell & Webb, 1995
<i>albicollis</i>						
<i>Parkesia</i>	t2	II	2,4,5,	10	6	Parrish, 1997; Poulin et al., 1994;
<i>noveboracensis</i>			13			Rappole et al., 1983
<i>Pitangus</i>	t2	III	7,12,	2,5		Eguiarte & Martínez del Rio, 1985;
<i>sulphuratus</i>			13			Fitzpatrick, 1980; Herrera et al., 2006;
						Iribarne & Martinez, 1999; Rappole et
						al., 1983
<i>Quiscalus</i>	t2	III	14	2,4,5,		Wehtje, 2003; pers. obs.
<i>mexicanus</i>				12		
<i>Rupornis</i>	t3	h	5	7	8	Baldarón et al., 2011; Panasci &
<i>magnirostris</i>						Whitacre, 2000
<i>Buteo</i>	t3	h	5	7	8	pers. obs

plagiatus

<i>Buteogallus</i>	t3	h		5,7,8,	Rappole et al., 1983
<i>anthracinus</i>				12	
<i>Circus</i>	t3	h	5,7	8	García & Arroyo, 2005; Rappole et al.,
<i>cyaneus</i>					1983
<i>Falco</i>	t3	h	5	8	Castellanos et al., 2006; Ellis et al.,
<i>peregrinus</i>					2004
<i>Geranospiza</i>	t3	h		7 8	Sutter et al., 2001
<i>caerulescens</i>					
<i>Calocitta</i>	t3	i		2,5,7,	Berg, 2004
<i>formosa</i>				8	
<i>Glaucidium</i>	t3	i		5,7,8	Poulin et al., 1994; pers. obs
<i>brasilianum</i>					
<i>Piaya</i>	t3	i	2,8	5,7	Greenberg et al., 1997; Greenberg &
<i>cayana</i>					Birchier, 2005; Komar & Thurber,
					2003; Skutch, 1966
<i>Anas</i>	a1	j	4,13	9,10	Bellrose, 1980; Rappole et al., 1983;
<i>clypeata</i>					Tietje & Teer, 1996
<i>Anas</i>	a1	j		4,9,10	Bellrose, 1980; Botrero & Rusch,
<i>discors</i>					1994; Rappole et al., 1983
<i>Aythya</i>	a1	j	4,5,10,	9	Adair et al., 1996; Bellrose, 1980;
<i>americana</i>			13		Mitchell et al., 1994; Rappole et al.,
					1983

<i>Dendrocygna</i>	a1	j		4,9,10	Carroll, 1932; Rappole et al., 1983;
<i>bicolor</i>					Rylander & Bolen, 1974
<i>Gallinula</i>	a1	j		5,9,10	Rappole et al., 1983
<i>galeata</i>					
<i>Porphyrio</i>	a1	j		9,10	Rappole et al., 1983; Stephens, 1984
<i>martinicus</i>					
<i>Actitis</i>	a2	k	13	5 10	Placyk & Harrington, 2004; Rappole et
<i>macularius</i>					al., 1983
<i>Arenaria</i>	a2	k	12	5,10,	Rappole et al., 1983; Whitfield, 1990
<i>interpres</i>				11	
<i>Calidris</i>	a2	k	9,12,	5,10,	Petracci, 2002; Rappole et al., 1983;
<i>alba</i>			13	11	Vanermen et al., 2009
<i>Calidris</i>	a2	k		5,10,	Paulson, 2005; Rappole et al., 1983
<i>mauri</i>				11	
<i>Calidris</i>	a2	k	9	5,10,	Brooks, 1967; Holden & Cleeves,
<i>melanotos</i>				11	2002; Rappole et al., 1983
<i>Calidris</i>	a2	k		5,10,	Baker & Baker, 1973; Brooks, 1967;
<i>minutilla</i>				11	Paulson, 2005; Rappole et al., 1983
<i>Charadrius</i>	a2	k	12	5,10	Howell & Webb, 1995; Iribarne &
<i>collaris</i>					Martinez, 1999
<i>Charadrius</i>	a2	k	11	5,10	Paulson, 2005; Rappole et al., 1983
<i>nivosus</i>					

<i>Charadrius</i>	a2	k	11	5,10,		Baker & Baker, 1973; Rappole et al.,
<i>semipalmatus</i>				12		1983; Smith & Nol, 2000
<i>Charadrius</i>	a2	k	11	5,10,		Iribarne & Martinez, 1999; Paulson,
<i>wilsonia</i>				12		2005; Rappole et al., 1983
<i>Pluvialis</i>	a2	k	12	5,10		Iribarne & Martinez, 1999; Rappole et
<i>squatarola</i>						al., 1983
<i>Himantopus</i>	a2	l		5,13	10	Rappole et al., 1983; Ueng et al., 2009
<i>mexicanus</i>						(congener)
<i>Phalaropus</i>	a2	l		5,9	10	Paulson, 2005; Rappole et al., 1983
<i>tricolor</i>						
<i>Recurvirostra</i>	a2	l	5,9,13	10,11		Boettcher et al., 1995; Rappole et al.,
<i>americana</i>						1983
<i>Tringa</i>	a2	l	13	5,11	10	Baker & Baker, 1973; Brooks, 1967;
<i>flavipes</i>						Paulson, 2005; Rappole et al., 1983;
						Weber & Haig, 1997
<i>Tringa</i>	a2	l	11	5,13	10	Brooks, 1967; Paulson, 2005; Rappole
<i>melanoleuca</i>						et al., 1983
<i>Tringa</i>	a2	l	11,12,	5,10		Castillo-Guerrero et al., 2009; Paulson,
<i>semipalmata</i>			13			2005; Rappole et al., 1983
<i>Limnodromus</i>	a2	m		10	11	Baker & Baker, 1973; Rappole et al.,
<i>griseus</i>						1983; Weber & Haig, 1997
<i>Limosa</i>	a2	m	5,10,		11	Castillo-Guerrero et al., 2009; Rappole

<i>fedoa</i>			12			et al., 1983
<i>Numenius</i>	a2	m	5,10,		11	Rappole et al., 1983; Velásquez &
<i>phaeopus</i>			12			Navarro, 1993
<i>Plegadis</i>	a2	II	7,13	5,11	10	Rappole et al., 1983; Safran et al.,
<i>chihi</i>						2000; Soave et al., 2006
<i>Jacana</i>	a2	I	5,9,13		10	Howell & Webb, 1995; Jenni &
<i>spinosa</i>						Collier, 1972
<i>Eudocimus</i>	a2.5	n	5,7	10,12,		Kushlan, 1979; Rappole et al., 1983
<i>albus</i>				13		
<i>Ixobrychus</i>	a2.5	n	7	5,10,		Rappole et al., 1983
<i>exilis</i>				13		
<i>Platalea</i>	a2.5	n	9	10,13		Rappole et al., 1983; Swennen & Yu,
<i>ajaja</i>						2005 (congener)
<i>Podilymbus</i>	a2.5	n	9	5,10,		Rappole et al., 1983
<i>podiceps</i>				13		
<i>Tachybaptus</i>	a2.5	n		5,10,		Howell & Webb, 1995
<i>dominicus</i>				13		
<i>Egretta</i>	a2.5	o	5,7	10,13	12	Miranda & Collazo, 1997; Olmos et
<i>caerulea</i>						al., 2001; Rappole et al., 1983;
						Wunderle, 1981
<i>Nyctanassa</i>	a2.5	o	5,7,9,	8	13	Martínez, 2004; Rappole et al., 1983
<i>violacea</i>			10			
<i>Chlidonias</i>	a2.5	z		5,10,		Beintema et al., 2010; Rappole et al.,

<i>niger</i>				13		1983
<i>Phalacrocorax</i>	a3	p	9,10		13	Casaux et al., 2009; Rappole et al.,
<i>brasilianus</i>						1983
<i>Ardea</i>	a3	p	5,7,12	10	13	Miranda & Collazo, 1997; Ramo &
<i>alba</i>						Busto, 1993; Rappole et al., 1983
<i>Ardea</i>	a3	p	5,7,8,		13	Ramo & Busto, 1993; Rappole et al.,
<i>herodias</i>			9,10			1983
<i>Butorides</i>	a3	p	5	10	13	Helm, 2012; Rappole et al., 1983
<i>virescens</i>						
<i>Cochlearius</i>	a3	p		10	13	Kushlan, 2009; Ramo & Busto, 1993
<i>cochlearius</i>						
<i>Egretta</i>	a3	p	10		13	Ramo & Busto, 1993; Rappole et al.,
<i>rufescens</i>						1983
<i>Egretta</i>	a3	p	5,7	10	13	Miranda & Collazo, 1997; Ramo &
<i>thula</i>						Busto, 1993; Rappole et al., 1983
<i>Egretta</i>	a3	p	5,10		13	Miranda & Collazo, 1997; Ramo &
<i>tricolor</i>						Busto, 1993; Rappole et al., 1983
<i>Mycteria</i>	a3	p	5,7,9,		13	Ogden et al., 1976; Rappole et al.,
<i>americana</i>			10,			1983
<i>Nycticorax</i>	a3	p	5,7,10,		12	Hall & Kress, 2008; Rappole et al.,
<i>nycticorax</i>			13			1983
<i>Anhinga</i>	a3	q	9,10		13	Owre, 1967; Rappole et al., 1983
<i>anhinga</i>						

<i>Hydroprogne</i>	a3	q	10	13	Collis et al., 2012; Rappole et al.,
<i>caspia</i>					1983; Thompson et al., 2002
<i>Megaceryle</i>	a3	q	10	13	Rappole et al., 1983; Sullivan et al.,
<i>alcyon</i>					2006
<i>Megaceryle</i>	a3	q	10	13	Green et al., 1978; Rappole et al.,
<i>torquata</i>					1983; Willard, 1985
<i>Pandion</i>	a3	q	5,7	13	Green et al., 1978; Rappole et al., 1983
<i>haliaetus</i>					
<i>Pelecanus</i>	a3	q	10	13	Rappole et al., 1983; Visser et al.,
<i>occidentalis</i>					2005
<i>Rynchops</i>	a3	q		10	Naves & Vooren, 2006; Rappole et al.,
<i>niger</i>				13	1983
<i>Sternula</i>	a3	q		13	Atwood & Kelly, 1984; Elliott et al.,
<i>antillarum</i>					2007; Zuria & Mellink, 2005
<i>Chloroceryle</i>	a3	q	10	13	Willard, 1985
<i>amazona</i>					
<i>Chloroceryle</i>	a3	q	10	13	Fry et al., 1992; Willard, 1985
<i>americana</i>					
<i>Thalasseus</i>	a3	V	10	13	Dahdul & Horn, 2003; Rappole et al.,
<i>elegans</i>					1983
<i>Thalasseus</i>	a3	V	10,12	13	Aygen & Emslie, 2006; Rappole et al.,
<i>maximus</i>					1983

<i>Fulica</i>	Ex1	n/a	4,5,10,	9	Rappole et al., 1983; Villamagna et al.,
<i>americana</i>			13		2010
<i>Dendrocygna</i>	Ex2	n/a	1,5,10	4	Bellrose, 1980; Kramer & Euliss, 1986
<i>autumnalis</i>					
<i>Fregata</i>	Ex2	n/a	10	13	Calixto-Albarrán & Osorno, 2000
<i>magnificens</i>					
<i>Bubulcus</i>	Ex2	n/a	7	5	Rappole et al., 1983; Wunderle, 1981
<i>ibis</i>					
<i>Cathartes</i>	Ex3	n/a	5	14	Rappole et al., 1983
<i>aura</i>					
<i>Coragyps</i>	Ex3	n/a	5	14	Rappole et al., 1983
<i>atratus</i>					
<i>Leucophaeus</i>	Ex4	n/a	12	5,10,1	Bernhardt et al., 2010; Dosch, 1997;
<i>atricilla</i>				3,14	Howell & Dunn, 2007; Rappole et al.,
					1983
<i>Leucophaeus</i>	Ex4	n/a		5,10,1	Howell & Dunn, 2007; Rappole et al.,
<i>pipixcan</i>				3,14	1983
<i>Coccyzus</i>	Ex4	n/a		2,5,7	Rappole et al., 1983; Wunderle, 1981
<i>minor</i>					
<i>Momotus</i>	Ex4	n/a		2,5,7	Remsen et al., 1993; pers. obs.
<i>mexicanus</i>					

REFERENCES FOR SUPPLEMENTARY MATERIAL

- Adair, S. E., Moore, J. L., & Kiel Jr., W. H. (1996). Wintering diving duck use of coastal ponds: an analysis of alternative hypotheses. *Journal of Wildlife Management*, 60, 83-93.
- Arizmendi, M., & Ornelas, J. F. (1990). Hummingbirds and their floral resources in a tropical dry forest in Mexico. *Biotropica*, 22, 172-180.
- Askins, R. A. (1983). Foraging ecology of temperate-zone and tropical woodpeckers. *Ecology*, 64, 945-956.
- Atwood, J. L., & Kelly, P. R. (1984). Fish dropped on breeding colonies as indicators of Least Tern food habits. *Wilson Bulletin*, 96, 34-47.
- Aygen, D., & Emslie, S. D. (2006). Royal Tern (*Sterna maxima*) chick diet at Fisherman Island National Wildlife Refuge, Virginia. *Waterbirds*, 29, 395-400.
- Baker, M. C., & Baker, A. E. M. (1973). Niche relationships among six species of shorebirds on their wintering and breeding ranges. *Ecological Monographs*, 43, 193-212.
- Baldarón, A.V., Bó, M. S., Malizia, A. I., & Bechard, M. J. (2011). Food habits of the Roadside Hawk (*Buteo magnirostris*) during nonbreeding season in the Southeastern Pampas of Argentina. *Journal of Raptor Research*, 45, 257-261.
- Baldwin, M. J., Barrow Jr., W. C., Jeske, C., & Rohwer, F. C. (2008). Metabolizing energy in Chinese Tallow fruit for Yellow-rumped Warblers, Northern Cardinals, and American Robins. *Wilson Journal of Ornithology*, 120, 525-530.
- Beintema, A. J., van der Winden, J., Baarspul, T., de Krijger, J. P., van Oers, K., & Keller, M. (2010). Black terns *Chlidonias niger* and their dietary problems in Dutch wetlands. *Ardea*, 98, 365-372.

- Bellrose, F. C. (1980). *Ducks, Geese and Swans of North America* (3rd ed.). Washington DC: Stackpole Books.
- Berg, E. C. (2004). A test of sex-ratio biasing in the White-throated Magpie-Jay, a cooperative breeder with female helpers. *Condor*, 106, 299-308.
- Bernhardt, G. E., Kutschbach-Brohl, L., Washburn, B. E., Chipman, R. B., & Francoeur, L. C. (2010). Temporal variation in terrestrial invertebrate consumption by Laughing gulls in New York. *American Midland Naturalist*, 163, 442-454.
- Best, L. B. (2001). Temporal patterns of bird abundance in cornfield edges during breeding season. *American Midland Naturalist*, 146, 94-104.
- Boettcher, R., Haig, S. M., & Bridges Jr., W. C. (1995). Habitat-related factors affecting the distribution of non-breeding American Avocets in coastal South Carolina. *Condor*, 97, 68-81.
- Botrero, J. E., & Rusch, D. H. (1994). Foods of blue-winged teal in two neotropical wetlands. *Journal of Wildlife Management*, 58, 561-565.
- Brooks, W. S. (1967). Food and feeding habits of autumn migrant shorebirds at a small Midwestern pond. *Wilson Bulletin*, 79, 307-315.
- Calixto-Albarrán, I., & Osorno, J.-L. (2000). The diet of the Magnificent Frigatebird during chick rearing. *Condor*, 102, 569-576.
- Carroll, J. J. (1932). A change in distribution of the Fulvous Tree Duck (*Dendrocygna bicolor helva*) in Texas. *Auk*, 49, 343-344.
- Casaux, R. J., Di Prinzio, C. Y., Bertolin, M. L., & Tartara, M. A. (2009). Diet of the Neotropic Cormorant *Phalacrocorax olivaceus* at West Chubut, Patagonia, Argentina. *Waterbirds*, 32, 444-449.

- Castellanos, A., Arquélles, C., Salinas, F., Rodríguez, A., & Sánchez, E. (2006). Food habits of breeding Peregrine falcons (*Falco peregrinus*) in the Ojo de Liebre Lagoon, Baja California, Mexico. In R. Rodríguez-Estrella (Ed.), *Current raptor studies in Mexico* (pp.71-82). Mexico City: CONABIO.
- Castillo-Guerrero, J. A., Fernández, G., Arellano, G., & Mellink, E. (2009). Diurnal abundance, foraging behaviour and habitat use by non-breeding Marbled Godwits and Willets at Guerrero Negro, Baja California Sur, Mexico. *Waterbirds*, 32, 400-407.
- Coates-Estrada, R., & Estrada, A. (1986). Fruiting and frugivores at a strangler fig in the tropical rain forest of Los Tuxtlas, Mexico. *Journal of Tropical Ecology*, 2, 349-357.
- Collis, K., Roby, D. D., Larson, K. W., Adrean, L. J., Nelson, S. K., Evans, A. F., Hostetter, N., Battaglia, D., Lyons, D. E., Marcella, T., & Patterson, A. (2012). Trends in Caspian Tern nesting and diet in San Francisco Bay: conservation implications for terns and salmonids. *Waterbirds*, 35, 25-34.
- Courter, J. R., Johnson, R. J., Bridges, W. C., & Hubbard, K. G. (2013). Assessing migration of Ruby-throated Hummingbirds (*Archilochus colubris*) at broad spatial and temporal scales. *Auk*, 130, 107-117.
- Dahdul, W. M., & Horn, M. H. (2003). Energy allocation and postnatal growth in captive Elegant Tern (*Sterna elegans*) chicks: responses to high- versus low-energy diets. *Auk*, 120, 1069-1081.
- Dosch, J. J. (1997). Diet of nestling Laughing Gulls on southern New Jersey. *Colonial Waterbirds*, 20, 273-281.
- Eckhardt, R. C. (1979). The adaptive syndromes of two guilds of insectivorous birds in the Colorado Rocky Mountains. *Ecological Monographs*, 49, 129-149.

- Eguiarte, L. E., & Martínez del Rio, C. (1985). Feeding habits of the Citreoline Trogon in a tropical dry forest during the dry season. *Auk*, 102, 872-874.
- Elliott, M. L., Hurt, R., & Sydeman, W. J. (2007). Breeding biology and status of the California Least Tern *Sterna antillarum browni* at Alameda Point, San Francisco Bay, California. *Waterbirds*, 30, 317-325.
- Ellis, D. H., Ellis, C. H., Sabo, B. A., Rea, A. M., Dawson, J., Fackler, J. K., Larue, C. T., Grubb, T. G., Schmitt, J., Smith, D. G., & Kéry, M. (2004). Summer diet of the Peregrine Falcon in faunistically rich and poor zones of Arizona analyzed with capture-recapture modeling. *Condor*, 106, 873-886.
- Fitzpatrick, J. W. (1980). Foraging behavior of Neotropical tyrant flycatchers. *Condor*, 82, 43-57.
- Fleming, T. H., & Hooker, R. S. (1975). *Anolis cupreus*: the response of a lizard to tropical seasonality. *Ecology*, 56, 1243-1261.
- Fry, C. H., Fry, K., & Harris, A. (1992). *Kingfishers, Rollers and Bee-eaters*. London: Christopher Helm Publishers.
- García, J. T., & Arroyo, B. E. (2005). Food-niche differentiation in sympatric Hen *Circus cyaneus* and Montagu's harriers *Circus pygargus*. *Ibis*, 147, 144-154.
- Green, H. W., Burghardt, G. M., Dugan, B. A., & Rand, A. S. (1978). Predation and the defensive behaviour of Green iguanas (Reptilia, Lacertilia, Iguanidae). *Journal of Herpetology*, 12, 169-176.
- Greenberg, R., Bichier, P., & Sterling, J. (1997). Bird populations in rustic and planted shade coffee plantations of eastern Chiapas, Mexico. *Biotropica*, 29, 501-514.

- Greenberg, R., & Bichier, P. (2005). Determinants of tree species preference of birds in Oak-Acacia woodlands of Central America. *Journal of Tropical Ecology*, 21, 57-66.
- Gryj, E., Martínez del Rio, C., & Baker, I. (1990). Avian pollination and nectar use in *Combretum fruticosum* (Loefl.). *Biotropica*, 22, 266-271.
- Hall, C. S., & Kress, S. W. (2008). Diet of nestling Black-crowned Night-herons in a mixed species colony: implications for tern conservation. *Wilson Journal of Ornithology*, 120, 637-640.
- Helm, S. R. (2012). Notes on prey of a Green Heron from Oregon. *Northwestern Naturalist*, 93, 85-87.
- Herrera, L. G., Hobson, K. A., Rodríguez, M., & Hernandez, P. (2003). Trophic partitioning in tropical rain forest birds: insights from stable isotope analysis. *Oecologia*, 136, 439-444.
- Herrera M., L. G., Hobson, K. A., Martínez, J. C., & Méndez C., G. (2006). Tracing the origin of dietary protein in tropical dry forest birds. *Biotropica*, 38, 735-742.
- Holden, P., & Cleaves, T. (2002). *RSPB Handbook of British birds*. London: Bloomsbury Publishing PLC.
- Howell, S. N. G., & Dunn, J. (2007). *Gulls of the Americas*. New York, NY: Peterson Field Guides.
- Howell, S. N. G., & Webb, S. (1995). *A Guide to the Birds of Mexico and Northern Central America*. New York, NY: Oxford University Press.
- Hutto, R. L. (1981). Seasonal variation in the foraging behaviour of some migratory western wood warblers. *Auk*, 98, 765-777.
- Hutto, R. L. (1994). The composition and social organization of mixed-flocks in a tropical deciduous forest in western Mexico. *Condor*, 96, 105-118.

- Iribarne, O. O., & Martinez, M. M. (1999). Predation on the southwestern Atlantic fiddler crab (*Uca uruguayensis*) by migratory shorebirds (*Pluvialis dominica*, *Pluvialis squatarola*, *Arenaria interpres*, and *Numenius phaeopus*). *Estuaries*, 22, 47-54.
- Jenni, D. A., & Collier, G. (1972). Polyandry in the American Jacana (*Jacana spinosa*). *Auk*, 89, 743-765.
- Komar, O., & Thurber, W. A. (2003). Predation on birds by a cuckoo (Cuculidae), mockingbird (Mimidae), and saltator (Cardinalidae). *Wilson Bulletin*, 115, 205-208.
- Kramer, G. W., & Euliss Jr., N. H. (1986). Winter foods of black-bellied whistling-ducks in northwestern Mexico. *Journal of Wildlife Management*, 50, 413-416.
- Krauss, N., & Yasukawa, K. (2013). How do female Red-winged Blackbirds allocate food within broods? *Condor*, 115, 198-208.
- Kushlan, J. A. (1979). Feeding ecology and prey selection in the White ibis. *Condor*, 81, 376-389.
- Kushlan, J. A. (2009). Feeding repertoire of the Boat-billed Heron (*Cochlearius cochlearius*). *Waterbirds*, 32, 408-414.
- Matuzak, G. D., Bezy, M. B., & Brightsmith, D. J. (2008). Foraging ecology of parrots in a modified landscape: seasonal trends and introduced species. *Wilson Journal of Ornithology*, 120, 353-365.
- Martínez, C. (2004). Food and niche overlap of the Scarlet Ibis and the Yellow-crowned Night-heron in a tropical mangrove swamp. *Waterbirds*, 27, 1-8.
- McGraw, K. J., Hill, G. E., & Parker, R. S. (2003). Carotenoid pigments in a mutant cardinal: implications for the genetic and enzymatic control mechanism of carotenoid metabolisms in birds. *Condor*, 105, 587-592.

- Miranda, L., & Collazo, J. A. (1997). Food habits of 4 species of wading birds (Ardeidae) in a tropical mangrove swamp. *Colonial Waterbirds*, 20, 413-418.
- Mitchell, C. A., Custer, T. W., & Zwank, P. J. (1994). Herbivory on shoalgrass by wintering redheads in Texas. *Journal of Wildlife Management*, 58, 131-141.
- Moermond, T. C., & Denslow, J. S. (1985). Neotropical avian frugivores: patterns of behaviour, morphology, and nutrition, with consequences for fruit selection. *Ornithological Monographs*, 36, 865-897.
- Moore, O. R., Stutchbury, B. J. M., & Quinn, J. S. (1999). Extrapair mating system of an asynchronously breeding tropical songbird: the Mangrove Swallow. *Auk*, 116, 1039-1046.
- Morton, E. S. (1977). Intratropical migration in the Yellow-green Vireo and Piratic Flycatcher. *Auk*, 94, 97-106.
- Naves, L. C., & Vooren, C. M. (2006). Diet of Black Skimmers in southern Brazil. *Waterbirds*, 29, 335-344.
- Ogden, J. C., Kushlan, J. A., & Tilmant, J. T. (1976). Prey selectivity by the Wood Stork. *Condor*, 78, 324-330.
- Olmos, F., Silva, R. S. E., & Prado, A. (2001). Breeding season diet of Scarlet Ibises and Little Blue Herons in a Brazilian mangrove swamp. *Waterbirds*, 24, 50-57.
- Owre, O. T. (1967). Adaptations for locomotion and feeding in the Anhinga and the Double-crested Cormorant. *Ornithological Monographs*, 6, 1-138.
- Panasci, T., & Whitacre, D. (2000). Diet and foraging behaviour of nesting Roadside Hawks in Petén, Guatemala. *Wilson Bulletin*, 112, 555-558.

- Parrish, J. D. (1997). Patterns of frugivory and energetic condition in Nearctic landbirds during autumn migration. *Condor*, 99, 681-697.
- Paulson, D. R. (2005). *Shorebirds of North America: the Photographic Guide*. Princeton, New Jersey: Princeton University Press.
- Pérez, E. M., & Bulla, L. (2000). Dietary relationships among four granivorous doves in Venezuelan savannas. *Journal of Tropical Ecology*, 16, 865-882.
- Petracci, P. (2002). Diet of Sanderlings in Buenos Aires Province, Argentina. *Waterbirds*, 25, 366-370.
- Placyk Jr., J. S., & Harrington, B. A. (2004). Prey abundance and habitat use by migratory shorebirds at coastal stopover sites in Connecticut. *Journal of Field Ornithology*, 75, 223-231.
- Pleasants, B. Y. (1981). Aspects of the breeding biology of a subtropical oriole, *Icterus gularis*. *Wilson Bulletin*, 93, 531-537.
- Poulin, B., Lefebvre, G., & McNeil, R. (1994). Diets of land birds from northeastern Venezuela. *Condor*, 96, 354-367.
- Poulin, B., Lefebvre, G., Ibáñez, R., Jaramillo, C., Hernández, C., & Rand, A. S. (2001). Avian predation upon lizards and frogs in a neotropical forest understorey. *Journal of Tropical Ecology*, 17, 21-40.
- Poulin, B., Wright, S. J., Lefebvre, G., & Calderon, O. (1999). Interspecific synchrony and asynchrony in the fruiting phenologies of congeneric bird-dispersed plants in Panama. *Journal of Tropical Ecology*, 15, 213-227.

- Pruitt, K. D., Hewitt, D. G., Silvy, N. J., & Benn, S. (2008). Importance of native seeds in White-winged dove diets dominated by agricultural grains. *Journal of Wildlife Management*, 72, 433-439.
- Ramo, C., & Busto, B. (1993). Resource use by herons in a Yucatan wetland during breeding season. *Wilson Bulletin*, 105, 573-586.
- Rappole, J. H., Morton, E. S., Lovejoy, T. E., & Ruos, J. L. (1983). *Nearctic Avian Migrants in the Neotropics*. Washington DC: U.S. Department of the Interior Fish and Wildlife Service-World Wildlife Fund U.S.
- Remsen Jr., J. V., Hyde, M. A., & Chapman, A. (1993). The diets of neotropical trogons, motmots, barbets and toucans. *Condor*, 95, 178-192.
- Remsen Jr., J. V., Stiles, F. G., & Scott, P. E. (1986). Frequency of arthropods in stomachs of tropical hummingbirds. *Auk*, 103, 436-441.
- Root, R. B. (1967). The niche exploitation pattern of the Blue-gray gnatcatcher. *Ecological Monographs*, 37, 317-350.
- Rowley, J. S., & Orr, R. T. (1965). Nesting and feeding habits of the White-collared Swift. *Condor*, 67, 449-456.
- Rylander, M. K., & Bolen, E. G. (1974). Feeding adaptations in whistling ducks (*Dendrocygna*). *Auk*, 91, 86-94.
- Safran, R. J., Colwell, M. A., Isola, C. R., & Taft, O. E. (2000). Foraging site selection by non-breeding White-faced Ibis. *Condor*, 102, 211-215.
- Sherry, T. W., & McDade, L. A. (1982). Prey selection and handling in two neotropical hover-gleaning birds. *Ecology*, 63, 1016-1028.

- Skutch, A. F. (1966). Life history notes on three tropical American cuckoos. *Wilson Bulletin*, 78, 139-165.
- Smith, A. C., & Nol, E. (2000). Wintering foraging behaviour and prey selection of the Semipalmated Plover in coastal Venezuela. *Wilson Bulletin*, 112, 467-472.
- Soave, G. E., Camperi, A. R., Darrieu, C. A., Cicchino, A. C., Ferretti, V., & Juarez, M. (2006). White-faced Ibis diet in Argentina. *Waterbirds*, 29, 191-197.
- Stephens, M. L. (1984). Interspecific aggressive behaviour of the polyandrous Northern Jacana (*Jacana spinosa*). *Auk*, 101, 508-518.
- Sullivan, S. M. P., Watzin, M. C., & Hession, W. C. (2006). Differences in the reproductive ecology of Belted Kingfishers (*Ceryle alcyon*) across streams with varying geomorphology and habitat quality. *Waterbirds*, 29, 258-270.
- Sutter, J., Martínez A., W. E., Oliva T., F., Oswaldo J., N., & Whitacre, D. F. (2001). Diet and hunting behaviour of the Crane Hawk in Tikal National Park, Guatemala. *Condor*, 103, 70-77.
- Swennen, C., & Yu, Y.-T. (2005). Food and feeding behaviour of the Black-faced Spoonbill. *Waterbirds*, 28, 19-27.
- Thompson, C. W., Donelan, E. R., Lance, M. M., & Edwards, A. E. (2002). Diet of Caspian Terns in Commencement Bay, Washington. *Waterbirds*, 25, 78-85.
- Tietje, W. D., & Teer, J. G. (1996). Winter feeding ecology of northern shovelers on freshwater and saline wetlands in South Texas. *Journal of Wildlife Management*, 60, 843-855.
- Ueng, Y.-T., Wang, J.-P., Hou, P.-C. L., & Perng, J.-J. (2009). Diet of Black-winged Stilt chicks in coastal wetlands of southwestern Taiwan. *Waterbirds*, 32, 514-522.

- Vanermen, N., Stienen, E. W. M., De Meulanaer, B., Van Ginderdeuren, K., & Degraer, S. (2009). Low dietary importance of polychaetes in opportunistic feeding Sanderlings *Calidris alba* on Belgian beeches. *Ardea*, 97, 81-87.
- Vehrencamp, S. L. (1978). The adaptive significance of communal nesting in Groove-billed anis (*Crotophaga sulcirostris*). *Behavioural Ecology and Sociobiology*, 4, 1-33.
- Velásquez, C. R., & Navarro, R. A. (1993). The influence of water depth and sediment type on the foraging behavior of Whimbrels. *Journal of Field Ornithology*, 64, 149-157.
- Villamagna, A. M., Murphy, B. R., & Trauger, D. L. (2010). Behavioural response of American Coots (*Fulica americana*) to Water Hyacinth (*Eichhornia crassipes*) in Lake Chapala, Mexico. *Waterbirds*, 33, 550-555.
- Visser, J. M., Vermillion, W. G., Evers, D. E., Linscombe, R. G., & Sasser, C. E. (2005). Nesting habitat requirements of the Brown Pelican and their management implications. *Journal of Coastal Research*, 212, 27-35.
- Weber, L. M., & Haig, S. M. (1997). Shorebird diet and size selection of nereid polychaetes in South Carolina coastal diked wetlands. *Journal of Field Ornithology*, 68, 358-366.
- Wehtje, W. (2003). The range expansion of the great-tailed grackle (*Quiscalus mexicanus* Gmelin) in North America since 1880. *Journal of Biogeography*, 30, 1593-1607.
- Wheelwright, N. T., Haber, W. A., Murray, K. G., & Guindon, C. (1984). Tropical fruit-eating birds and their food plants: a survey of a Costa Rica lower montane forest. *Biotropica*, 16, 173-192.
- Whitfield, D. P. (1990). Individual feeding specializations of wintering turnstone *Arenaria interpres*. *Journal of Animal Ecology*, 56, 193-211.

Willard, D. E. (1985). Comparative feeding ecology of twenty-two tropical piscivores.

Ornithological Monographs, 36, 788-797.

Wunderle Jr., J. M. (1978). Territorial defense of a nectar source by a Palm warbler. *Wilson*

Bulletin, 90, 297-299.

Wunderle Jr., J. M. (1981). Avian predation upon *Anolis* lizards on Grenada, West Indies.

Herpetologica, 37, 104-108.

Zuria, I., & Mellink, E. (2005). Fish abundance and the 1995 nesting season of the Least Tern at

Bahía de San Jorge, Northern Gulf of California, México. *Waterbirds*, 28, 172-180.