

Appendix B: Weights used to connect individual states to breeding grounds farther north

(Part of Blancher et al. 2006. PIF Technical Series No. 4.)⁴

Priority Species ¹	Map Weights for each Priority Species in each State ²																	
	AL ³	AR	AZ	FL	GA	KS	LA	MO	MS	NC	NE	NM	OK	SC	SD	TN	TX	VA
Bald Eagle						0.62					0.69	0.81	0.48		0.63		0.51	
Northern Harrier				0.14			0.22											
Long-eared Owl	0.14	0.22				0.32		0.18					0.25			0.59		
Short-eared Owl	0.15	0.18	0.20	0.08	0.13		0.13		0.15	0.14		0.35	0.20	0.08		0.47	0.24	0.35
Sedge Wren																0.01		0.06
Sprague's Pipit		0.01	0.47				0.51					0.99					1.58	
Black-throated Blue Warbler				0.17														
American Tree Sparrow						0.63					0.92		0.49		1.38		0.18	
Brewer's Sparrow																	0.42	
Vesper Sparrow																	0.85	
Sage Sparrow																	0.36	
Lark Bunting			0.63															
Baird's Sparrow			0.38									0.17					0.76	
Henslow's Sparrow	2.22			0.89	2.65		2.98		1.93	0.44				1.58			0.81	
Le Conte's Sparrow	1.41	1.91		0.48	1.37	0.22	1.36	1.07	1.54				1.19	0.68		1.18	1.11	
Nelson's Sharp-tailed Sparrow	0.73			2.30	0.52		2.47		0.81	1.98				0.78			0.61	2.49
Saltmarsh Sharp-tailed Sparrow				1.80	0.48									2.44				
Harris's Sparrow		0.92				3.42					2.71	0.01	2.67		2.28		1.92	
McCown's Longspur			0.13									0.47	0.23				2.79	
Smith's Longspur		3.09				1.97	0.78	2.44			0.05		3.05				0.91	
Chestnut-collared Longspur			0.91			0.61						3.00	1.37				1.47	
Rusty Blackbird	0.86	1.05		0.39	0.78	0.80	0.75	0.83	0.87	0.81	0.99		0.68	0.44	0.00	2.75	0.45	2.04
Black Rosy-Finch												0.98						
Purple Finch		0.61				0.41	0.43	0.48			0.64		0.38		0.71		0.35	
Cassin's Finch																	0.13	
Lawrence's Goldfinch			4.28									1.98						
Yellow Rail	1.49			2.74	1.07		2.05		0.71	1.63				1.01			1.01	0.06

Map Weights for each Priority Species in each State ²																		
Priority Species ¹	AL ³	AR	AZ	FL	GA	KS	LA	MO	MS	NC	NE	NM	OK	SC	SD	TN	TX	VA
Black Rail							0.20											
Sandhill Crane							0.12					1.25					2.04	
Whooping Crane																	2.51	

¹ Priority Species (Species of Conservation Importance) for U.S. states from Rosenberg (2004). Year-round resident species are not included here, nor in maps.

² Map weights determined by the proportion of a species' world population that winters in the state and then migrates beyond state borders for the breeding season. Average weight in each state adjusted to 1.0. Bold type highlights species with weights ≥ 1 (i.e. at or above state average). States with <5 priority species links to northern breeding grounds are not included in this table, nor mapped.

³ Standard 2-letter acronyms for each state; e.g. AL=Alabama, AR=Arkansas, AZ=Arizona etc.

⁴ Blancher, P.J., B. Jacobs, A. Couturier, C.J. Beardmore, R. Dettmers, E.H. Dunn, W. Easton, E.E. Iñigo-Elias, T.D. Rich, K.V. Rosenberg and J.M. Ruth. 2006. Making Connections for Bird Conservation: Linking States, Provinces & Territories to Important Wintering and Breeding Grounds. Partners in Flight Technical Series No. 4. <http://www.partnersinflight.org/pubs/ts/04-Connections>

Downloadable Excel file includes additional states with fewer than 5 priority species links to breeding grounds, and includes scientific names and file sequence numbers for re-sorting file to taxonomic order.