In Defense of Indices: The Case of Bird Surveys

Citation Report

#	ARTICLE	IF	CITATIONS
1	Objectives and Metrics for Wildlife Monitoring. Journal of Wildlife Management, 2008, 72, 1663-1664.	1.8	9
2	Linking monitoring and intervention for improved management of tigers in the Sundarbans of Bangladesh. Biological Conservation, 2008, 141, 2032-2040.	4.1	22
3	Riparian bird response to vegetation structure: a multiscale analysis using LiDAR measurements of canopy height. Ecological Applications, 2009, 19, 1848-1857.	3.8	88
4	Estimating the effects of detection heterogeneity and overdispersion on trends estimated from avian point counts. Ecological Applications, 2009, 19, 2049-2066.	3.8	43
5	Relationships between groundwater level and furbearer abundance in the Northern Arkansas Mississippi Alluvial Valley. Ecohydrology, 2009, 2, 472-479.	2.4	3
6	Nonlinear effects of distance to habitat edge on Sprague's pipits in southern Alberta, Canada. Landscape Ecology, 2009, 24, 1287-1297.	4.2	22
7	Bird population density estimated from acoustic signals. Journal of Applied Ecology, 2009, 46, 1201-1209.	4.0	168
8	Effects of width, edge and habitat on the abundance and nesting success of scrub–shrub birds in powerline corridors. Biological Conservation, 2009, 142, 2672-2680.	4.1	59
9	Influences of postfire salvage logging on forest birds in the Eastern Cascades, Oregon, USA. Forest Ecology and Management, 2009, 257, 1119-1128.	3.2	32
10	The relationship between shelterwood cuts and crown thinnings and the abundance and distribution of birds in a southern New England forest. Forest Ecology and Management, 2009, 258, 314-322.	3.2	23
11	Effect of Distance-Related Heterogeneity on Population Size Estimates From Point Counts. Auk, 2009, 126, 100-111.	1.4	49
12	Scrub–Shrub Bird Habitat Associations at Multiple Spatial Scales in Beaver Meadows in Massachusetts. Auk, 2009, 126, 186-197.	1.4	52
13	Modeling the effects of environmental disturbance on wildlife communities: avian responses to prescribed fire. Ecological Applications, 2009, 19, 1253-1263.	3.8	126
14	A Sampling Design Framework for Monitoring Secretive Marshbirds. Waterbirds, 2009, 32, 203-215.	0.3	47
15	Estimation of Avian Population Sizes and Species Richness Across a Boreal Landscape in Alaska. Wilson Journal of Ornithology, 2009, 121, 528-547.	0.2	15
16	Habitat Relations of Shrubsteppe Birds: A 20-Year Retrospective. Condor, 2009, 111, 401-413.	1.6	22
17	On the efficiency of using song playback during call count surveys of Red-legged partridges (Alectoris rufa). European Journal of Wildlife Research, 2010, 56, 907-913.	1.4	18
18	Predator–Mediated Indirect Effects of Snowshoe Hares on Dall's Sheep in Alaska. Journal of Wildlife Management, 2010, 74, 1709-1721.	1.8	27

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19	Effects of Prescribed Fire on Vegetation and Passerine Birds in Northern Mixed‐Grass Prairie. Journal of Wildlife Management, 2010, 74, 1841-1851.	1.8	37
20	Habitat use, abundance, and persistence of Neotropical migrant birds in a habitat matrix in northeast Belize. Journal of Field Ornithology, 2010, 81, 237-251.	0.5	9
21	Regional variation in abundance and response to fire by Henslow's Sparrows in Louisiana. Journal of Field Ornithology, 2010, 81, 139-150.	0.5	5
22	Evaluating food availability and nest predation risk as sources of bias in aural bird surveys. Journal of Field Ornithology, 2010, 81, 420-429.	0.5	6
23	Avifauna response to hurricanes: regional changes in community similarity. Global Change Biology, 2010, 16, 905-917.	9.5	31
24	Landscape effects on birds in urban woodlands: an analysis of 34 Swedish cities. Journal of Biogeography, 2010, 37, 1302-1316.	3.0	48
25	Separation of Availability and Perception Processes for Aural Detection in Avian Point Counts: a Combined Multiple-Observer and Time-of-Detection Approach. Avian Conservation and Ecology, 2010, 5, .	0.8	13
27	The Trade-off Between Housing Density and Sprawl Area: Minimizing Impacts to Carabid Beetles (Coleoptera: Carabidae). Ecology and Society, 2010, 15, .	2.3	19
28	Avian Communal Roosts as Amplification Foci for West Nile Virus in Urban Areas in Northeastern United States. American Journal of Tropical Medicine and Hygiene, 2010, 82, 337-343.	1.4	37
29	Wild Bird Indicators: Using Composite Population Trends of Birds as Measures of Environmental Health. Ornithological Science, 2010, 9, 3-22.	0.5	229
30	Restoring Tallgrass Prairie and Grassland Bird Populations in Tall Fescue Pastures With Winter Grazing. Rangeland Ecology and Management, 2010, 63, 679-688.	2.3	10
31	An Unreconciled Double-Observer Method for Estimating Detection Probability and Abundance. Auk, 2010, 127, 841-849.	1.4	18
32	The disproportionate value of scattered trees. Biological Conservation, 2010, 143, 1564-1567.	4.1	162
33	Abandoned pastoral settlements provide concentrations of resources for savanna birds. Acta Oecologica, 2010, 36, 184-190.	1.1	15
34	Landscape matrix and species traits mediate responses of Neotropical resident birds to forest fragmentation in Jamaica. Ecological Monographs, 2010, 80, 651-669.	5.4	89
35	Trends in Abundance of Hibernating Bats in a Karst Region of the Southern Great Plains. Southwestern Naturalist, 2010, 55, 331-339.	0.1	8
36	Detection Probability of Cliff-Nesting Raptors During Helicopter and Fixed-Wing Aircraft Surveys in Western Alaska. Journal of Raptor Research, 2010, 44, 175-187.	0.6	26
37	Standardized North American Marsh Bird Monitoring Protocol. Waterbirds, 2011, 34, 319-346.	0.3	158

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38	Breeding Chorus Indices Are Weakly Related to Estimated Abundance of Boreal Chorus Frogs. Copeia, 2011, 2011, 365-371.	1.3	14
39	Least Bittern (*Ixobrychus exilis*) Survey Protocol. Waterbirds, 2011, 34, 225-233.	0.3	7
40	Estimating population size and trends of the Swedish brown bear Ursus arctos population. Wildlife Biology, 2011, 17, 114-123.	1.4	152
41	Long-term avian research at the San Joaquin Experimental Range: Recommendations for monitoring and managing oak woodlands. Forest Ecology and Management, 2011, 262, 12-19.	3.2	2
42	Effects of fuel reduction on birds in pitch pine–scrub oak barrens of the United States. Forest Ecology and Management, 2011, 261, 10-18.	3.2	30
43	Bird abundance and diversity across a hardwood gradient within early seral plantation forest. Forest Ecology and Management, 2011, 261, 1372-1381.	3.2	38
44	Threshold responses of songbirds to long-term timber management on an active industrial forest. Forest Ecology and Management, 2011, 262, 449-460.	3.2	12
45	Do birds and beetles show similar responses to urbanization?. , 2011, 21, 2297-2312.		72
46	Risk of Agricultural Practices and Habitat Change to Farmland Birds. Avian Conservation and Ecology, 2011, 6, .	0.8	7
47	Detection Probabilities of Ungulates in the Eastern Swaziland Lowveld. South African Journal of Wildlife Research, 2011, 41, 61-67.	1.4	3
48	Evaluating mark - recapture sampling designs for fish in an open riverine system. Marine and Freshwater Research, 2011, 62, 835.	1.3	10
49	Making better sense of monitoring data from low density species using a spatially explicit modelling approach. Journal of Applied Ecology, 2011, 48, 47-55.	4.0	14
50	Can the abundance of tigers be assessed from their signs?. Journal of Applied Ecology, 2011, 48, 14-24.	4.0	59
51	Addressing challenges when studying mobile or episodic species: hierarchical Bayes estimation of occupancy and use. Journal of Applied Ecology, 2011, 48, 56-66.	4.0	90
52	Conservation management of eastern Australian farmland birds in relation to landscape gradients. Journal of Applied Ecology, 2011, 48, 523-531.	4.0	27
53	A Bayesian hierarchical occupancy model for track surveys conducted in a series of linear, spatially correlated, sites. Journal of Applied Ecology, 2011, 48, 1508-1517.	4.0	40
54	Spatial relationships in a dendritic network: the herpetofaunal metacommunity of the Mattole River catchment of northwest California. Ecography, 2011, 34, 49-66.	4.5	16
55	Abundance and population trends of mangrove landbirds in southwest Florida. Journal of Field Ornithology, 2011, 82, 132-139.	0.5	7

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56	Short‐term responses of birds to prescribed fire in fire‐suppressed forests of California. Journal of Wildlife Management, 2011, 75, 1051-1060.	1.8	17
57	Interactive effects of vegetation structure and composition describe bird habitat associations in mixed broadleaf–conifer forest. Journal of Wildlife Management, 2011, 75, 344-352.	1.8	16
58	Comparison of methods for estimating density of forest songbirds from point counts. Journal of Wildlife Management, 2011, 75, 558-568.	1.8	35
59	Value of large-scale linear networks for bird conservation: A case study from travelling stock routes, Australia. Agriculture, Ecosystems and Environment, 2011, 141, 302-309.	5.3	17
60	Evaluating the power of surface attendance counts to detect long-term trends in populations of crevice-nesting auklets. Environmental Monitoring and Assessment, 2011, 177, 665-679.	2.7	9
61	Population cycles are highly correlated over long time series and large spatial scales in two unrelated species: greater sage-grouse and cottontail rabbits. Oecologia, 2011, 165, 915-924.	2.0	39
62	Maximizing Benefits from Riparian Revegetation Efforts: Local- and Landscape-Level Determinants of Avian Response. Environmental Management, 2011, 48, 28-37.	2.7	20
63	Actual or Perceived Abundance? Interpreting Annual Survey Data in the Face of Changing Phenologies. Condor, 2011, 113, 490-500.	1.6	14
64	Estimating Nest Density When Detectability is Incomplete: Variation in Nest Attendance and Response to Disturbance by Western Meadowlarks. Condor, 2011, 113, 223-232.	1.6	10
65	Using Stereo-Microphones to Evaluate Observer Variation In North American Breeding Bird Survey Point Counts. Auk, 2011, 128, 303-312.	1.4	46
66	Effects of broadcasting calls during surveys to estimate density and occupancy of northern bobwhite. Wildlife Society Bulletin, 2012, 36, 16-20.	1.6	1
67	Shifting foundations and metrics for golden‐cheeked warbler recovery. Wildlife Society Bulletin, 2012, 36, 415-422.	1.6	5
68	Can correlated population trends among forest bird species be predicted by similarity in traits?. Wildlife Research, 2012, 39, 469.	1.4	6
69	Field evaluation of distance-estimation error during wetland-dependent bird surveys. Wildlife Research, 2012, 39, 311.	1.4	15
70	Twice-Over Rotational Grazing and Its Impacts on Grassland Songbird Abundance and Habitat Structure. Rangeland Ecology and Management, 2012, 65, 109-118.	2.3	22
71	Landscape-Level Forest Cover is a Predictor of Cerulean Warbler Abundance. Wilson Journal of Ornithology, 2012, 124, 721-727.	0.2	10
72	Grassland Bird Communtiy Response To Large Wildfires. Wilson Journal of Ornithology, 2012, 124, 24-30.	0.2	5
73	Diversity of birds in eastern North America shifts north with global warming. Ecology and Evolution, 2012, 2, 3052-3060.	1.9	22

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74	Evaluating population estimates of mountain goats based on citizen science. Wildlife Society Bulletin, 2012, 36, 264-276.	1.6	20
75	Early seral hardwood vegetation increases adult and fledgling bird abundance in Douglas-fir plantations of the Oregon Coast Range, USA. Canadian Journal of Forest Research, 2012, 42, 918-933.	1.7	12
76	Effectiveness of Call-Broadcast Surveys To Detect Territorial Peregrine Falcons. Journal of Raptor Research, 2012, 46, 365-377.	0.6	9
77	Occupancy in continuous habitat. Ecosphere, 2012, 3, 1-15.	2.2	174
78	The Weekend Bias in Recording Rare Birds: Mechanisms and Consequencess. Acta Ornithologica, 2012, 47, 87-94.	0.5	7
79	Monitoring population size of mammals using a spotlight-count-based abundance index: How to relate the number of counts to the precision?. Ecological Indicators, 2012, 18, 599-607.	6.3	9
80	Hierarchical distanceâ€sampling models to estimate population size and habitatâ€specific abundance of an island endemic. Ecological Applications, 2012, 22, 1997-2006.	3.8	103
81	Reliability of occupancy and binomial mixture models for estimating abundance of Golden-cheeked Warblers (<i>Setophaga chrysoparia</i>). Auk, 2012, 129, 105-114.	1.4	23
82	Effects of Vegetation, Corridor Width and Regional Land Use on Early Successional Birds on Powerline Corridors. PLoS ONE, 2012, 7, e31520.	2.5	37
83	Top-Predators as Biodiversity Regulators: Contemporary Issues Affecting Knowledge and Management of Dingoes in Australia. , 2012, , .		2
84	Avian Assemblages Differ between Old-Growth and Mature White Pine Forests of Ontario, Canada: A Role for Supercanopy Trees?. Avian Conservation and Ecology, 2012, 7, .	0.8	4
86	Grassland Bird Responses to Three Edge Types in a Fragmented Mixed-Grass Prairie. Avian Conservation and Ecology, 2012, 7, .	0.8	12
87	Wolf population dynamics in the U.S. Northern Rocky Mountains are affected by recruitment and humanâ€caused mortality. Journal of Wildlife Management, 2012, 76, 108-118.	1.8	41
88	Estimating breeding season abundance of goldenâ€cheeked warblers in Texas, USA. Journal of Wildlife Management, 2012, 76, 1117-1128.	1.8	21
89	Evaluating the ability of regional models to predict local avian abundance. Journal of Wildlife Management, 2012, 76, 1177-1187.	1.8	6
90	Optimal design of butterfly occupancy surveys and testing if occupancy converts to abundance for sparse populations. Journal of Insect Conservation, 2012, 16, 489-499.	1.4	31
91	A review of designs for captureâ€"markâ€"recapture studies in discrete time. Journal of Ornithology, 2012, 152, 355-370.	1.1	51
92	Reduced flower visitation by nectar-feeding birds in response to fire in Cape fynbos vegetation, South Africa. Journal of Ornithology, 2012, 153, 297-301.	1.1	25

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94	Comparing transect survey and WSR-88D radar methods for monitoring daily changes in stopover migrant communities. Journal of Field Ornithology, 2012, 83, 61-72.	0.5	6
95	Avian Composition Coâ€varies with Floristic Composition and Soil Nutrient Concentration in <scp>A</scp>mazonian Upland Forests. Biotropica, 2012, 44, 545-553.	1.6	35
96	Fire mediated patterns of population densities in mountain big sagebrush bird communities. Journal of Wildlife Management, 2013, 77, 737-748.	1.8	14
97	Monitoring wild pig populations: a review of methods. Environmental Science and Pollution Research, 2013, 20, 8077-8091.	5.3	66
98	Comparison of point counts and territory mapping for detecting effects of forest management on songbirds. Journal of Field Ornithology, 2013, 84, 270-286.	0.5	21
99	Calibrating indices of avian density from nonâ€standardized survey data: making the most of a messy situation. Methods in Ecology and Evolution, 2013, 4, 1047-1058.	5.2	86
100	Tree stocking affects winter bird densities across a gradient of savanna, woodland, and forest in the Missouri Ozarks. Wildlife Society Bulletin, 2013, 37, n/a-n/a.	1.6	1
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106	Estimating abundance and population trends when detection is low and highly variable: A comparison of three methods for the Hermann's tortoise. Journal of Wildlife Management, 2013, 77, 454-462.	1.8	61
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108	Standardising distance sampling surveys of parrots in New Caledonia. Journal of Ornithology, 2013, 154, 19-33.	1.1	8
109	As clear as mud: A critical review of evidence for the ecological roles of Australian dingoes. Biological Conservation, 2013, 159, 158-174.	4.1	78
110	Detection heterogeneity and abundance estimation in populations of Golden-cheeked Warblers (<i>Setophaga chrysoparia</i>). Auk, 2013, 130, 677-688.	1.4	16

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111	Confronting Imperfect Detection: Behavior of Binomial Mixture Models under Varying Circumstances of Visits, Sampling Sites, Detectability, and Abundance, in Small-Sample Situations. Ornithological Science, 2013, 12, 73-88.	0.5	23
112	Woodland salamanders as metrics of forest ecosystem recovery: a case study from California's redwoods. Ecosphere, 2013, 4, 1-25.	2.2	23
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114	Using time-of-detection to evaluate detectability assumptions in temporally replicated aural count indices: an example with Ring-necked Pheasants. Journal of Field Ornithology, 2013, 84, 98-112.	0.5	1
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116	Influence of camera-trap sampling design on mammal species capture rates and community structures in southeastern Brazil. Biota Neotropica, 2013, 13, 51-62.	1.0	62
117	Window Area and Development Drive Spatial Variation in Bird-Window Collisions in an Urban Landscape. PLoS ONE, 2013, 8, e53371.	2.5	60
118	Conservation of Avian Diversity in the Sierra Nevada: Moving beyond a Single-Species Management Focus. PLoS ONE, 2013, 8, e63088.	2.5	31
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120	Interactions between ecological disturbances: burning and grazing and their effects on songbird communities in northern mixed-grass prairies. Avian Conservation and Ecology, 2014, 9, .	0.8	6
121	Genetic Pedigree Reconstruction Detects Bias in Largemouth Bass Nest Sampling Procedures. North American Journal of Fisheries Management, 2014, 34, 175-183.	1.0	6
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124	Coping with heterogeneity to detect species on a large scale: N-mixture modeling applied to red-legged partridge abundance. Journal of Wildlife Management, 2014, 78, 540-549.	1.8	13
125	Management regime influences shrubland birds and habitat conditions in the Northern Appalachians, USA. Journal of Wildlife Management, 2014, 78, 314-324.	1.8	16
126	Assessing the utility of statistical adjustments for imperfect detection in tropical conservation science. Journal of Applied Ecology, 2014, 51, 849-859.	4.0	126
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131	A hierarchical model combining distance sampling and time removal to estimate detection probability during avian point counts. Auk, 2014, 131, 476-494.	1.4	91
132	Effects of landscape structure, habitat and human disturbance on birds: A case study in East Dongting Lake wetland. Ecological Engineering, 2014, 67, 67-75.	3.6	78
133	Avian species composition across the <scp>A</scp>mazon <scp>R</scp>iver: the roles of dispersal limitation and environmental heterogeneity. Journal of Biogeography, 2014, 41, 784-796.	3.0	41
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136	The Importance of Survey Timing on Shorebird Density Estimates at East Bay, Nunavut, Canada. Waterbirds, 2014, 37, 394-401.	0.3	1
137	Associations of wintering birds with habitat in semidesert and plains grasslands in Arizona. Southwestern Naturalist, 2014, 59, 199-211.	0.1	12
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139	Evidence that the conservation reserve program slowed population declines of pheasants on a changing landscape in Nebraska, USA. Wildlife Society Bulletin, 2015, 39, 529-535.	1.6	9
140	Perceptibility of Prairie Songbirds Using Double-Observer Point Counts. Great Plains Research, 2015, 25, 53-61.	0.2	20
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148	REVIEW: Wildlife camera trapping: a review and recommendations for linking surveys to ecological processes. Journal of Applied Ecology, 2015, 52, 675-685.	4.0	791

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149	Managing Mixed-Grass Prairies for Songbirds Using Variable Cattle Stocking Rates. Rangeland Ecology and Management, 2015, 68, 470-475.	2.3	22
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151	Management by proxy? The use of indices in applied ecology. Journal of Applied Ecology, 2015, 52, 1-6.	4.0	133
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164	Imperfect detection and the determination of environmental flows for fish: challenges, implications and solutions. Freshwater Biology, 2016, 61, 172-180.	2.4	53
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169	Exploitation of Bats for Bushmeat and Medicine. , 2016, , 325-375.		58
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171	Study of biological communities subject to imperfect detection: bias and precision of community <i>N</i>â€mixture abundance models in smallâ€sample situations. Ecological Research, 2016, 31, 289-305.	1.5	44
172	Prairie strips as a mechanism to promote land sharing by birds in industrial agricultural landscapes. Agriculture, Ecosystems and Environment, 2016, 220, 55-63.	5.3	21
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176	Landscape and local effects onÂoccupancy and densities of an endangered wood-warbler in an urbanizing landscape. Landscape Ecology, 2016, 31, 365-382.	4.2	16
177	The causal response of avian communities to suburban development: a quasi-experimental, longitudinal study. Urban Ecosystems, 2016, 19, 1597-1621.	2.4	25
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181	Evaluating and improving count-based population inference: A case study from 31 years of monitoring Sandhill Cranes. Condor, 2017, 119, 191-206.	1.6	4
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184	Importance of scale, land cover, and weather on the abundance of bird species in a managed forest. Forest Ecology and Management, 2017, 405, 295-308.	3.2	14
185	Site Occupancy and Density of Marsh Birds in Coastal and Freshwater Habitats of Florida. Southeastern Naturalist, 2017, 16, 477-487.	0.4	0
186	Gear Comparison for Sampling Age-0 Mountain Whitefish in the Madison River, Montana. North American Journal of Fisheries Management, 2017, 37, 189-195.	1.0	1
187	Decade-long bird community response to the spatial pattern of variable retention harvesting in red pine (Pinus resinosa) forests. Forest Ecology and Management, 2017, 402, 272-284.	3.2	9

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