

King Rail (*Rallus elegans*) Literature Review
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This literature review was conducted for the purpose of developing GIS based species-distribution models to aid in the USFWS in stepping down national population objectives to regional and refuge levels. Data from each article is being summarized in LitReview Central, a new bird literature review database developed by Dr. Ed Laurent at NCSU. This review is still in progress. The data characteristic, “mappable”, indicates that the species data can be linked to one or more mapped landcover classes or mapped landscape features. Please contact Ashton for further information, or if you identify missing citations.

Publication Category	Category Description	Number of Articles
Quantitative mappable data	Publications provide a date, measured landscape or landcover variable, and response in terms of abundance, density or productivity	13
Qualitative mappable data	Publications provide an observation in terms of abundance, density or productivity, with description of associated habitat	88
Comments without mappable data	Literature reviews, most atlas or breeding birds summary reports, and publications where either the date or habitat was not mentioned in association with bird observations	48
Not relevant	King Rail were not mentioned in the text (often true where a king rail publication was cited in references), study was outside the geographic region of interest (North America), or study had no relevance to species-habitat associations (e.g. English study on origin of species' common names, paleontological studies, geographic location rather than habitat type noted)	126
Library still seeking	A few publications remain in the NCSU Interlibrary Loan pipeline	8
		Total = 283

Publications with quantitative mappable data

- Andrews, D. A. 1973. Habitat utilization by Sora, Virginia Rails, and King Rails near southwestern Lake Erie. MS Thesis, The Ohio State University. 112 pp.
- Bateman, H.A., Jr. 1977. King Rail. Pages 93-104 in: Sanderson, G. C. [Ed.] Management of migratory shore and upland game birds in North America. University of Nebraska Press. 358 pp.
- Craig, R. J. 1990. Historic trends in the distribution and population of estuarine marsh birds of the Connecticut River. Research Report 83. Department of Natural Resources Management and Engineering, College of Agriculture and Natural Resources.
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- Meanley, B. and D. K. Wetherbee. 1962. Ecological notes on mixed populations of King Rails and Clapper Rails in Delaware Bay marshes. *Auk* 79(3): 453-457.
- Perkins, M. 2007. The use of stable isotopes to determine the ratio of resident to migrant king rails in southern Louisiana and Texas. MS Thesis, Louisiana State University. 116 pp.
- Pierluissi, S. 2006. Breeding Waterbird Use of Rice Fields in Southwestern Louisiana. MS Thesis, Louisiana State University. 92 pp.
- Reid, F. A. 1989. Differential Habitat Use by Waterbirds in a Managed Wetland Complex. PhD Dissertation, University of Missouri - Columbia. 240 pp.
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Publications with qualitative mappable data

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- Burtch, V. 1946. King Rail at Branchport, NY. *Auk* 63(2): 252.
- Busby, W. H., and J. L. Zimmerman. 2001. *Kansas Breeding Bird Atlas*. University Press of Kansas. 466 pp.
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- Cairo, J. 1985. King Rail - second Colorado record. *Colorado Field Ornithology Journal* 19(1-2): 38.
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