

Burrowing Owl Bibliography - August 2013
Compiled by Lynne Trulio

Andrade, A., M.J. Nabte, and M.E. Kun. 2010. Diet of the Burrowing Owl (*Athene cunicularia*) and its seasonal variation in Patagonian steppes: implications for biodiversity assessments in the Somuncura Plateau Protected Area, Argentina. *Studies on Neotropical Fauna and Environment* 45:101-110.

Arana, M., M.L. Ruiz-Luna, S. Santa Maria, and O. Ramirez. 2006. Population fluctuations of the house mouse in a Peruvian loma and the functional response of Burrowing Owls. *Austral Ecology* 31:956-963.

Arrowood, P. C., C. A. Finley, and B. C. Thompson. 2001. Analyses of Burrowing Owl populations in New Mexico. *Journal of Raptor Research* 35:362-370.

Banuelos, G. 1997. The one-way door trap: an alternative trapping technique for Burrowing Owls. Pages 122-124 in J. L. Lincer and K. Steenhof (eds.), *The Burrowing Owl: its biology and management, including the proceedings of the First International Burrowing Owl Symposium. Raptor Research Reports No. 9.*

Barclay, J.H. 2007. Burrowing Owl management at Mineta San Jose International Airport. Pages 146-154 in Barclay, J.H., K.W. Hunting, J.L. Lincer, J. Linthicum and T.A. Roberts (eds.), *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.

Barclay, J.H. 2008. A simple artificial burrow design for Burrowing Owls. *Journal of Raptor Research* 42(1):53-57.

Barclay, J.H. 2008. A technique for nighttime trapping of Burrowing Owls with a bow net. *Journal of Raptor Research* 42(2):142-148.

Barclay, J.H., N.M. Korfanta, and M.J. Kauffman. 2011. Long-term population dynamics of a managed Burrowing Owl colony. *Journal of Wildlife Management* 75:1295-1306.

Barclay, J.H. and S. Menzel. 2011. Apparent polygynous nesting by Burrowing Owls. *Journal of Raptor Research* 45(1):98-100.

Bartok, N., and C.J. Conway. 2010. Factors affecting the presence of nesting Burrowing Owls in an agricultural landscape. *Journal of Raptor Research* 44:286-293.

Bellocq, M.I. 1997. Ecology of the Burrowing Owl in agrosystems of central Argentina. Pages 52-57 in J. L. Lincer and K. Steenhof (eds.), *The Burrowing Owl: its biology and management, including the proceedings of the First International Burrowing Owl Symposium. Raptor Research Reports No. 9.*

Bendix, J. 2007. Passive relocations of Burrowing Owls on a 57-hectare site in eastern Alameda County. Pages 141-145 in Barclay, J.H., K.W. Hunting, J.L. Lincer, J. Linthicum and T.A. Roberts (eds.), *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.

Berger, R.J and J.M. Walker. 1972. Sleep in the Burrowing Owl, *Speotyto cunicularia hypugaea*. *Behavioral Biology* 7: 183-194.

Bernardelli, D., M.J. Desmond, and L. Murray. 2010. Reproductive success of Burrowing Owls in urban and grassland habitats in southern New Mexico. *The Wilson Journal of Ornithology* 122:51-59.

Best, T. R. 1969. Habitat, annual cycle, and food of Burrowing Owls in southcentral New Mexico. M.S. Thesis, New Mexico State University, Las Cruces, New Mexico.

Botelho, E.S., and P.C. Arrowood. 1998. The effect of burrow site use on the reproductive success of a partially migratory population of Western Burrowing Owls (*Speotyto cunicularia hypogaea*). *Journal of Raptor Research* 32:233-240.

Brenckle, J.F. 1936. The migration of the Western Burrowing Owl (*Speotyto cunicularia hypogaea*). *Bird-Banding* 7:166–168.

Brown, N.L. 2001. The howdy owls of Arizona: a review of the status of *Athene cunicularia*. *Journal of Raptor Research* 35:344-350.

Buchanan, J.T. 1996. A geographic analysis of the Burrowing Owl population in Santa Clara County, California. M.S. thesis, San Jose State University.

Burkett, E.E. and B.S. Johnson. 2007. Development of a conservation strategy for Burrowing Owls n California. Pages 165-168 in Barclay, J.H., K.W. Hunting, J.L. Lincer, J. Linthicum and T.A. Roberts (eds.), *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.

Butts, K.O. 1971. Observations on the ecology of Burrowing Owls in western Oklahoma: A preliminary report. *Proceedings of the Oklahoma Academy of Science* 51:66-74.

Butts, K. O. 1973. Life history and habitat requirements of Burrowing Owls in western Oklahoma. M.S. Thesis, Oklahoma State University, Stillwater, Oklahoma.

Butts, K.O. 1976. Burrowing Owls wintering in the Oklahoma panhandle, USA. *The Auk* 93:510-516.

Butts, K.O., and J.C. Lewis. 1982. The importance of prairie dog towns to Burrowing Owls in Oklahoma. *Proceedings of the Oklahoma Academy of Science* 62:46-52.

California Department of Fish and Game. 2012. Staff Report on Burrowing Owl Mitigation. Accessed on August 16, 2013 at <http://www.dfg.ca.gov/wildlife/nongame/docs/BUOWStaffReport.pdf>

Catlin, D.H., and D.K. Rosenberg. 2006. Nest destruction increases mortality and dispersal of Burrowing Owls in the Imperial Valley, California. *Southwest Naturalist* 51:406-409.

Catlin, D.H., D.K. Rosenberg, and K.L. Haley. 2005. The effects of nesting success and mate fidelity on breeding dispersal in Burrowing Owls. *Canadian Journal of Zoology* 83:1574-1580.

Chipman, E.D., N.E. McIntyre, J.D. Ray and others. 2007. Effects of radiotransmitter necklaces on behaviors of adult male Western Burrowing Owls. *Journal of Wildlife Management* 71:1662-1668.

Chipman, E.D., N.E. McIntyre, R.E. Strauss and others. 2008. Effects of human land use on Western Burrowing Owl foraging and activity budgets. *Journal of Raptor Research* 42:87-98.

Clark, H.O. and D.L. Plumpton. 2005. A simple one-way door design for passive relocation of Western Burrowing Owls. *California Fish and Game* 91:286-289.

Clark, R.J. 1997. A review of the taxonomy and distribution of the Burrowing Owl (*Speotyto cunicularia*). Pages 14-23 in J. L. Lincer and K. Steenhof (eds.), *The Burrowing Owl: its biology and management, including the proceedings of the First International Burrowing Owl Symposium*. *Raptor Research Reports* No. 9.

Clayton, K.M. and J.K. Schmutz. 1999. Is the decline of Burrowing Owls (*Speotyto cunicularia*) in prairie Canada linked to changes in Great Plains ecosystems? *Bird Conservation International* 9:163-185.

Collins, C.T. and R.E. Landry. 1977. Artificial nest burrows for Burrowing Owls. *North American Bird Bander* 2:151-154.

Conway, C.J., and V. Garcia. 2005. Effects of radiotransmitters on natal recruitment of Burrowing Owls. *Journal of Wildlife Management* 69:404-408.

Conway, C.J., V. Garcia, M. D. Smith, L. A. Ellis, and J. Whitney. 2006. Comparative demography of Burrowing Owls within agricultural and urban landscapes in southeastern Washington. *Journal of Field Ornithology* 77:280-290.

Conway, C.J., V. Garcia, M. D. Smith, and K. Hughes. 2008. Factors affecting detection of Burrowing Owl nests during standardized surveys. *Journal of Wildlife Management* 72:688-696.

Conway, M., C.P. Nadeau, and C.J. Conway. 2012. Intraspecific variation in reproductive traits of Burrowing Owls. *Journal of Ethology* 30:395-402.

Conway, C.J., and K. L. Pardieck. 2006. Population trajectory of Burrowing Owls in eastern Washington. *Northwest Science* 80:292-297.

Conway, C. J., and J. Simon. 2003. Comparison of detection probability associated with Burrowing Owl survey methods. *Journal of Wildlife Management* 67:501-511.

Coulombe, H.N. 1970. Physiological and physical aspects of temperature regulation in the Burrowing Owl, *Speotyto cunicularia*. *Comparative Biochemistry and Physiology* 35:307-337.

Coulombe, H.N. 1971. Behavior and Population Ecology of the Burrowing Owl, *Speotyto cunicularia*, in the Imperial Valley of California. *Condor* 73:162-176.

Crowe, D. E. and K.M. Longshore. 2013. Nest site characteristics and nesting success of the Western Burrowing Owl in the eastern Mojave Desert. *Journal of Arid Environments* 94:113-120.

Cull, R. L., and F. Hall. 2007. Status of Burrowing Owls in northeastern California, in Proceedings of the California Burrowing Owl Symposium (November 2003). Pages 42-51 in J.H. Barclay, K. W. Hunting, J. L. Lincer, J. Linthicum, and T. A. Roberts, (eds.), *Bird Populations Monograph 1*. The Institute for Bird Populations and Albion Environmental, Inc.

Davies, J.M and M. Restani. 2006. Survival and movements of juvenile Burrowing Owls during the postfledging period. *Condor* 108:282-291.

Delevoryas, P. 1997. Relocation of Burrowing Owls during courtship period. Pages 138-144 in J. L. Lincer and K. Steenhof (eds.), *The Burrowing Owl: its biology and management, including the proceedings of the First International Burrowing Owl Symposium*. *Raptor Research Reports* No. 9.

DeSante, D. F., E. D. Ruhlen, S. L. Adamany, K. M. Burton, and S. Amin. 1997. A census of Burrowing Owls in central California in 1991. Pages 38-48 in J.L. Lincer and K. Steenhof (eds.), *The Burrowing Owl: its biology and management, including the proceedings of the First International Burrowing Owl Symposium*. *Raptor Research Reports* No. 9.

DeSante, D. F., E.D. Ruhlen, and D.K. Rosenberg. 2004. Density and abundance of Burrowing Owls in the agricultural matrix of the Imperial Valley, California. *Studies in Avian Biology* 27:116-119.

DeSante, D. F., E.D. Ruhlen, and R. Scalf. 2007. The distribution and relative abundance of Burrowing Owls in California during 1991–1993: Evidence for a declining population and thoughts on its conservation. Pages 1-41 in J. H. Barclay, K. W. Hunting, J. L. Lincer, J. Linthicum, and T. A. Roberts (eds.), *Proceedings of the California Burrowing Owl Symposium*, November 2003. *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.

De Smet, K.D., G. McMaster, and K. Mazur. 1992. Cooperative surveys and reintroductions of Burrowing Owls between Manitoba and North Dakota, 1991. Manitoba Natural Resource Report.

Desmond, M.J., T.J. Parsons, T.O. Powers and J.A. Savidge. 2001. An initial examination of mitochondrial DNA structure in Burrowing Owl populations. *Journal of Raptor Research* 35:274-281.

Desmond, M.J. and J.A. Savidge. 1996. Factors influencing Burrowing Owl (*Speotyto cunicularia*) nest densities and numbers in western Nebraska. *American Midland Naturalist* 136:143-148.

Desmond, M.J., J.A. Savidge, and K.M Eskridge. 2000. Correlations between Burrowing Owl and black-tailed prairie dog declines: A 7-year analysis. *Journal of Wildlife Management* 64:1067-1075.

Desmond, M.J., J.A. Savidge, and T.F. Seibert. 1995. Spatial patterns of Burrowing Owl (*Speotyto cunicularia*) nests within black-tailed prairie dog (*Cynomys ludovicianus*) towns. *Canadian Journal of Zoology* 73:1375-1379.

Engelman, C.A., W.E. Grant, M.A. Mora. 2012. Modelling effects of chemical exposure on birds wintering in agricultural landscapes: The Western Burrowing Owl (*Athene cunicularia hypugaea*) as a case study. *Ecological Modelling* 224:90-102.

Enriquez Rocha, P. L. 1997. Seasonal records of the Burrowing Owl in Mexico. Pages 49-51 in J. L. Lincer and K. Steenhof (eds.), The Burrowing Owl: its biology and management, including the proceedings of the First International Burrowing Owl Symposium. *Raptor Research Reports* No. 9.

Faircloth, B.C., A. Title, K. Tan, and others. 2010. Eighteen microsatellite loci developed from Western Burrowing Owls (*Athene cunicularia hypugaea*). *Conservation Genetics Resources* 2:167-171.

Feeaney, L. R. 1997. Burrowing Owl site tenacity associated with relocation efforts. Pages 132-137 in J. L. Lincer and K. Steenhof (eds.), The Burrowing Owl: its biology and management, including the proceedings of the First International Burrowing Owl Symposium. *Raptor Research Reports* No. 9.

Fisher, J.B., L.A. Trulio, G.S. Biging, and D.A. Chromczak. 2007. An analysis of spatial clustering and implications for wildlife management: A Burrowing Owl example. *Environmental Management* 39:403-409.

Garcia, V. and C. J. Conway. 2009. Use of video probe does not affect Burrowing Owl reproductive parameters or return rates. *Journal of Wildlife Management* 73:154-157.

- Gervais, J. A., and Anthony, R. G. 2003. Chronic organochlorine contaminants, environmental variability, and demographics of a Burrowing Owl population. *Ecological Applications* 13:1250–1262.
- Gervais, J. A., and Catlin, D. H. 2004. Temporal patterns of DDE in Burrowing Owl eggs from the Imperial Valley, California. *Southwest Naturalist* 49:509–512.
- Gervais, J.A., D.H. Catlin, N.D. Chelgren, and D. K. Rosenberg. 2006. Radiotransmitter mount type affects Burrowing Owl survival. *Journal of Wildlife Management* 70:872-876.
- Gervais, J.A., Hunter, C.M., and Anthony, R.G. 2006. Interactive effects of prey and *p,p'*DDE on Burrowing Owl population dynamics. *Ecological Applications* 16:666–677.
- Gervais, J.A., and D.K. Rosenberg. 1999. Burrowing Owls in California produce second broods of chicks. *Wilson Bulletin* 111:569-571.
- Gervais, J.A., D.K. Rosenberg, and R. G. Anthony. 2003. Space use and pesticide exposure risk of male Burrowing Owls in an agricultural landscape. *Journal of Wildlife Management* 67:155-164.
- Gervais, J.A., D.K. Rosenberg, and L.A. Comrack. 2008. California Bird Species of Special Concern: Burrowing Owl. *Studies of Western Birds* 1:218-226.
- Gervais, J.A., D.K. Rosenberg, D.M. Fry, L. A. Trulio, K. K. Sturm. 2000. Burrowing Owls and agricultural pesticides: Evaluation of residues and risks for three populations in California. *Environmental Toxicology and Chemistry* 19:337-343.
- Gillihan, S.W. 2000. Barbed wire fence fatal to Burrowing Owl. *Journal of the Colorado Field Ornithologists* 34:220-221.
- Giraud-Audine, M., L. Ackermann, O. Tostain and others. 2007. The Burrowing Owl, *Athene cunicularia*, a new species for French Guiana. *Alauda* 75:421-422.
- Gleason, R.L. and T.H. Craig. 1979. Food habits of Burrowing Owls in southeastern Idaho. *Great Basin Naturalist* 39:274-276.
- Gleason, R.S. and D.R. Johnson. 1985. Factors influencing nesting success of Burrowing Owls in southeastern Idaho. *The Great Basin Naturalist* 45:81-84.
- Gorman, L. R, D. K. Rosenberg, N. A. Ronan. K. L. Haley, J. A. Gervais, and V. Franke. 2003. Estimation of reproductive rates of Burrowing Owls. *Journal of Wildlife Management* 67:493-500.
- Green, G.A. 1983. Ecology of Breeding Burrowing Owls in the Columbia Basin, Oregon. MS Thesis. Oregon State University, Corvallis, OR.

Green, G.A. and R.G. Anthony. 1989. Nesting success and habitat relationships of Burrowing Owls in the Columbia Basin, Oregon. *Condor* 91:347-354.

Green, G.A. and R.G. Anthony. 1997. Ecological considerations for management of breeding Burrowing Owls in the Columbia Basin. Pages 117-121 in Lincer, J. L., K. Steenhof, editors, *The Burrowing Owl: its biology and management, including the proceedings of the First International Burrowing Owl Symposium*. *Raptor Research Reports* No. 9.

Green, G.A., R.E. Fitzner, R.G. Anthony, and L.E. Rogers. 1992. Comparative diets of Burrowing Owls in Oregon and Washington. *Northwest Science* 67:88-93.

Greger, P.D. and D.B. Hall. 2009. Burrow occupancy patterns of the Western Burrowing Owl in Southern Nevada. *Western North American Naturalist* 69: 285-294.

Griebel, R.L. 2007. Factors influencing Burrowing Owl reproductive performance in contiguous shortgrass prairie. *Journal of Raptor Research* 41:212-221.

Griebel, R.L. and J.A. Savidge. 2003. Factors related to body condition of nestling Burrowing Owls in Buffalo Gap National Grassland, South Dakota. *The Wilson Bulletin* 115:477-480.

Haley, K.L. 2002. The role of food limitation and predation on reproductive success of Burrowing Owls in Southern California. Master's Thesis. Oregon State University.

Hall, D.B., P.D. Greger, and J.R. Rosier. 2009. Regional and seasonal diet of the Western Burrowing Owl in south central Nevada. *Western North American Naturalist* 69:1-8.

Harman, L.M. and J.H. Barclay. 2007. A summary of Burrowing Owl banding records. Pages 123-131 in J. H. Barclay, K. W. Hunting, J. L. Lincer, J. Linthicum, and T. A. Roberts (eds.), *Proceedings of the California Burrowing Owl Symposium*, November 2003. *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.

Haug, E.A. 1985. Observations on the breeding ecology of Burrowing Owls. MS Thesis, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.

Haug, E.A., and A.B. Didiuk. 1993. Use of recorded calls to detect Burrowing Owls. *Journal of Field Ornithology* 64:188–194.

Haug, E.A., B. A. Millsap, and M. S. Martell. 1993. *Burrowing Owl (Speotyto cunicularia)*. The Birds of North America, No. 61 The American Ornithologists' Union Washington, D.C., USA, and the Academy of Natural Sciences, Philadelphia, Pennsylvania, USA.

Haug, E. A., and L. W. Oliphant. 1990. Movements, activity patterns, and habitat use of Burrowing Owls in Saskatchewan. *Journal of Wildlife Management* 54:27-35.

Henny, C. J., and L. J. Blus. 1981. Artificial burrows provide new insight into Burrowing Owl nesting biology. *Journal of Raptor Research* 15:82-85.

Hoehn, A.L., M. Hagan, and M. Bratton. 2009. Burrowing Owl and other migratory bird mitigation for a runway construction project at Edwards AFB. *Human-Wildlife Conflicts* 3: 251-256.

Holmes, A. L., G. A. Green, R. L. Morgan and K. B. Livezey. 2003. Burrowing Owl nest success and burrow longevity in north central Oregon. *Western North American Naturalist* 63:244-250

Holroyd, G., C. J. Conway, and H. Trefry. 2011. Breeding dispersal of a Burrowing Owl from Arizona to Saskatchewan. *Wilson Journal of Ornithology* 123:378-381.

Holroyd, G.L., R. Rodriguez-Estrella and S.R. Sheffield. 2001. Conservation of the Burrowing Owl in Western North America: issues: Challenges and recommendations. *Journal Raptor Research* 35:399-407.

Holroyd, G. L., H.E. Trefry, and J.M. Duxbury. 2010. Winter destinations and habitats of Canadian Burrowing Owls. *Journal of Raptor Research* 44:294-299.

Holt, D.W., W.D. Norton, and E.C. Atkinson. 2001. Breeding season food habits of Burrowing Owls in South-Central Montana. *Intermountain Journal of Sciences* 7:63-69.

Hughes, A. J. 1993. Breeding density and habitat preference of the Burrowing Owl in northeastern Colorado. M.S. Thesis. Colorado State University, Fort Collins, Colorado.

James, P. C., and R. H. M. Espie. 1997. Current status of the Burrowing Owl in North America: an agency survey. Pages 3-5 in J.L. Lincer, K. Steenhof, editors. The Burrowing Owl, its biology and management including the proceedings of the first international Burrowing Owl symposium. *Raptor Research Reports* No. 9.

James, P. C., T. J. Ethier, and M. K. Toutloff. 1997. Parameters of a declining Burrowing Owl population in Saskatchewan. Pages 34-37 in J. L. Lincer and K. Steenhof (eds.), The Burrowing Owl: its biology and management, including the proceedings of the First International Burrowing Owl Symposium. *Raptor Research Reports* No. 9.

James, P.C., and G.A. Fox. 1987. Effects of some insecticides on productivity of Burrowing Owls. *Blue Jay* 45:65-71.

John, R.D., and J. Romanow. 1993. Feeding behaviour of a Burrowing Owl, *Athene cunicularia*, in Ontario. *Canadian Field-Naturalist* 107:231-232.

Johnson, D.H., D.C. Gillis, M.A. Gregg, J.L. Rebholz, J.L. Lincer, and J.R. Belthoff. 2010. Users guide to installation of artificial burrows for Burrowing Owls. Tree Top Inc., Selah, Washington. 34 pp.

Pdf available from URLs: www.globalowlproject.com, or www.wildlife-research.org

Johnson, B.S. 1997. Characterization of population and family genetics of the Burrowing Owl by DNA fingerprinting with pV47-2. Pages 58–63 in Lincer, J. L., K. Steenhof (ed.), The Burrowing Owl: its biology and management, including the proceedings of the First International Burrowing Owl Symposium. *Raptor Research Reports* No. 9.

Johnson, B.S. 1997. Demography and population dynamics of the Burrowing Owl. Pages 28–33 in Lincer, J. L., K. Steenhof (ed.), The Burrowing Owl: its biology and management, including the proceedings of the First International Burrowing Owl Symposium. *Raptor Research Reports* No. 9.

Keppers, J.L., M.K. Skoruppa, M.C. Woodin and others. 2008. Use of artificial burrows by Western Burrowing Owls and other vertebrates during winter in southern Texas. *Bulletin of the Texas Ornithological Society* 41: 59-64.

Kidd, J.W., P.H. Bloom, C.W. Barrows, and C.T. Collins. 2007. Status of Burrowing Owls in southwestern California. Pages 76-89 in Barclay, J.H. K.W. Hunting, J.L. Lincer, J. Linthicum and T.A. Roberts (eds.), Proceedings of the Burrowing Owl Symposium (November 2003). *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.

Kilgore, D.L., Jr.; D.F. Boggs, T.J. Kilgore, and others. 2008. Ventilatory and metabolic responses of Burrowing Owls, *Athene cunicularia*, to moderate and extreme hypoxia: Analysis of the hypoxic ventilatory threshold vs. hemoglobin oxygen affinity relationship in birds. *Comparative Biochemistry and Physiology Part A Molecular & Integrative Physiology* 150:247-257.

Klute, D.S., L.W. Ayers, M.T. Green, W.H. Howe, S. L. Jones, J.A. Shaffer, S.R. Sheffield, and T.S. Zimmerman. 2003. Status Assessment and Conservation Plan for the Western Burrowing Owl in the United States. U.S. Department of Interior, Fish and Wildlife Service, Biological Technical Publication FWS/BTP-R6001-2003, Washington, D.C.

Klute, D.S., L.W. Ayers, M.T. Green, W.H. Howe, S.L. Jones, J.A. Shaffer, S.R. Sheffield, and T.S. Zimmerman. 2007. Status Assessment and Conservation Plan for the Western Burrowing Owl - California Summary. Pages 109-114 in Barclay, J.H., K.W. Hunting, J.L. Lincer, J. Linthicum and T.A. Roberts (eds.), Proceedings of the Burrowing Owl Symposium (November 2003), *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.

Konrad, P.M. and D. S. Gilmer 1984. Observations on the nesting ecology of Burrowing Owls in central North Dakota. *Prairie Naturalist* 16:129-30.

Korfanta, N. M., L. W. Ayers, S. H. Anderson, and D.B. McDonald. 2001. A preliminary assessment of Burrowing Owl population status in Wyoming. *Journal of Raptor Research* 35:337-343.

Korfanta, N. M., D.B. McDonald and T.C. Glenn. 2005. Burrowing Owl (*Athene cunicularia*) population genetics: A comparison of North American forms and migratory habitats. *The Auk* 122:464-478.

Koshear, J., C. Shafer, E.F. Van Mantgem and R.V. Olsen. 2007. Burrowing Owl management at Colonel Allensworth State Historic Park. Pages 155-164 in Barclay, J.H., K.W. Hunting, J.L. Lincer, J. Linthicum and T.A. Roberts (eds.), *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.

Kotylak, A. and M.A. Skeel. 2009. Are Burrowing Owls using enhanced habitat? *Blue Jay* 67: 231-234.

LaFever, D.H., K.E. LaFever, C.H. Catlin, and D.K. Rosenberg. 2008. Diurnal time budget of Burrowing Owls in a resident population during the non-breeding season. *Southwestern Naturalist* 53:29-33.

Landry, R.E. 1979. Growth and development of the Burrowing Owl. M.S. thesis, California State University, Long Beach, CA.

Lantz, S.J., and C.J. Conway. 2009. Factors affecting daily nest survival of Burrowing Owls within black-tailed prairie dog colonies. *Journal of Wildlife Management* 73:232-241.

Lantz, S.J., C.J. Conway, and S. H. Anderson. 2007. Multi-scale habitat selection by Burrowing Owls in black-tailed prairie dog colonies. *Journal of Wildlife Management* 71:2664-2672.

Lincer, J.L. and P.H. Bloom. 2007. The status of Burrowing Owls in San Diego County, California. Pages 90-102 in Barclay, J.H., K.W. Hunting, J.L. Lincer, J. Linthicum and T.A. Roberts (eds.), *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.

Lincer, J.L. and R.C. Clark. 2007. A bibliography on the Burrowing Owl in California. Pages 185-197 in Barclay, J.H., K.W. Hunting, J.L. Lincer, J. Linthicum and T.A. Roberts (eds.), *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.

Littles, C.J., D. Williford, M.K. Skoruppa and others. 2007. Diet of Western Burrowing Owls wintering in southern Texas. *Journal of Raptor Research* 41:307-313.

Lutz, R.S., and D.L. Plumpton. 1999. Philopatry and nest site reuse by Burrowing Owls: Implications for productivity. *Journal of Raptor Research* 33:149-153.

MacCracken, J.G., D.W. Uresk, and R.M. Hansen. 1985. Vegetation and soils of Burrowing Owl nest sites in Conata Basin, South Dakota. *Condor* 87:152-154.

Macias-Duarte, A., C.J. Conway, A. Munguia-Vega, and M. Culver. 2010. Novel microsatellite loci for the Burrowing Owl, *Athene cunicularia*. *Conservation Genetics Resources* 2:67-69.

- Manning, J.A. 2011. Factors affecting detection probability of Burrowing Owls in southwest agroecosystem environments. *Journal of Wildlife Management* 75:1558-1567.
- Manning, J.A. and E.O. Garton. 2012. A sightability model for correcting visibility and availability biases in standardized surveys of breeding Burrowing Owls in southwest agroecosystem environments. *Journal of Wildlife Management* 76: 65-74.
- Manning, J.A. and R.S.A. Kaler. 2011. Effects of Survey Methods on Burrowing Owl Behaviors. *Journal of Wildlife Management* 75:525-530.
- Martin, D.J. 1973. Selected aspects of Burrowing Owl ecology and behavior. *Condor* 75:446-456.
- Martin, D.J. 1983. A spectrographic analysis of Burrowing Owl vocalizations. *The Auk* 90:564-578.
- Martin, S.J. 1983. Burrowing Owl occurrence on white-tailed prairie dog colonies. *Journal of Field Ornithology* 54:422-423.
- Maser, C., E. W. Hammer and S.H. Anderson. 1970. Food Habits of the Burrowing Owl in Central Oregon. *Northwest Science* 45:19-26.
- McGriff, D. 2007. Burrowing Owl data in the California Natural Diversity Database. Pages 187-184 in Barclay, J.H., K.W. Hunting, J.L. Lincer, J. Linthicum and T.A. Roberts (eds.), *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.
- McKie, A.C., J.E. Hammond, H.T. Smith and others. 2005. Invasive green iguana interactions in a Burrowing Owl colony in Florida. *Florida Field Naturalist* 33:125-127.
- McNerney, J.T. and M. Sears. 2007. Burrowing Owl protections at the local level: The City of Davis disking ordinance. Pages 137-140 in Barclay, J.H., K.W. Hunting, J.L. Lincer, J. Linthicum and T.A. Roberts (eds.), *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.
- Miller, J. 2003. Petition to the State of California Fish and Game Commission and supporting information for listing the California population of the Western Burrowing Owl (*Athene cunicularia hypugaea*) as an endangered or threatened species under the California Endangered Species Act. Available from Ctr. Biol. Diversity, 1095 Market St., Suite 511, San Francisco, CA 94103 or at www.biologicaldiversity.org/swcbd/species/b-owl/index.html.
- Miller, J. 2007. Petition to list the western Burrowing Owl in California. Pages 169-177 in Barclay, J.H., K.W. Hunting, J.L. Lincer, J. Linthicum and T.A. Roberts (eds.), *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.

Millsap, B.A. 2002. Survival of Florida Burrowing Owls along an urban-development gradient. *Journal of Raptor Research* 36:3–10.

Millsap, B.A., and C. Bear. 1997. Territory fidelity, mate fidelity, and dispersal in an urban-nesting population of Florida Burrowing Owls. Pages 91–98 in Lincer, J. L., K. Steenhof (eds.), *The Burrowing Owl: Its biology and management, including the proceedings of the First International Burrowing Owl Symposium*. *Raptor Research Reports* Number 9.

Millsap, B.A., and C. Bear. 2000. Density and reproduction of Burrowing Owls along an urban development gradient. *Journal of Wildlife Management* 64:33–41.

Mitchell, A.M., T.I. Wellicome, D. Brodie and K.M. Cheng. 2011. Captive-reared Burrowing Owls show higher site-affinity, survival, and reproductive performance when reintroduced using a soft-release. *Biological Conservation* 144:1382-1391.

Morgan, K.H., R.J. Cannings and C.S. Guppy. 1993. Some foods eaten by a Burrowing Owl overwintering on southern Vancouver Island. *Northwestern Naturalist* 74:84-87.

Moulton, C.E., R.S. Brady and J.R. Belthoff. 2004. Territory defense of nesting Burrowing Owls: responses to simulated conspecific intrusion. *Journal of Field Ornithology* 75:288-295.

Moulton, C.E., R.S. Brady and J.R. Belthoff. 2005. A comparison of breeding season food habits of Burrowing Owls nesting in agricultural and nonagricultural habitat in Idaho. *Journal of Raptor Research* 39:429-438

Moulton, C.E., R.S. Brady and J.R. Belthoff. 2006. Association between wildlife and agriculture: Underlying mechanisms and implications in Burrowing Owls. *Journal of Wildlife Management* 70:708-716.

Mrykalo, R.J., M.M. Grigione and R.J. Sarno. 2007. Home range and dispersal of juvenile Florida Burrowing Owls. *Wilson Journal of Ornithology* 119:275-279.

Mrykalo, R.J., M.M. Grigione and R.J. Sarno. 2009. A comparison of available prey and diet of Florida Burrowing Owls in urban and rural environments: A first study. *Condor* 111:556-559.

Mueller, M. S., M.M. Grigione, and R.J. Sarno. 2007. Distribution of the Florida Burrowing Owl: The potential importance of nonurban areas. *Journal of Raptor Research* 41:222-226.

Mueller, M. S., M.M. Grigione, and R.J. Sarno. 2011. Nonurban habitat use of Florida Burrowing Owls: Identifying areas of conservation importance. *Journal of Raptor Research* 45:143-149.

Murphy, R.K., K.W. Hasselblad, C.D. Grondahl, J.G. Sidle, R.E. Martin, and D.W. Freed. 2001. Status of the Burrowing Owl in Minnesota. *Journal of Raptor Research* 35:322-330.

- Nabte, M. J., U.J.F. Pardinas and S.L. Saba. 2008. The diet of the Burrowing Owl, *Athene cunicularia*, in the arid lands of northeastern Patagonia, Argentina. *Journal of Arid Environments* 72:1526-1530.
- Nogueira, D.M. and M.A.S. Alves. 2011. A case of leucism in the Burrowing Owl *Athene cunicularia* (Aves: Strigiformes) with confirmation of species identity using cytogenetic analysis. *Zoologia* 28:53-57.
- Orth, P. B., and P. L. Kennedy. 2001. Do land-use patterns influence nest-site selection by Burrowing Owls (*Athene cunicularia hypugaea*) in northeastern Colorado? *Canadian Journal of Zoology* 79:1038-1045.
- Owings, D.H. and E. Handa. 1975. Shadows and detection of movement by a Burrowing Owl, *Speotyto cunicularia*. *Condor* 77:501-502.
- Owings, D.H., M.P. Rowe, and A.A. Rundus. 2002. The rattling sound of rattlesnakes (*Crotalus viridis*) as a communicative resource for ground squirrels (*Spermophilus beecheyi*) and Burrowing Owls (*Athene cunicularia*). *Journal of Comparative Psychology* 116:197-205.
- Pezzolesi, L. S. W. 1994. The Western Burrowing Owl: Increasing prairie dog abundance, foraging theory, and nest site fidelity. M.S. Thesis. Texas Tech University, Lubbock, Texas.
- Plumpton, D.L., and R.S. Lutz. 1993. Nesting habitat use by Burrowing Owls in Colorado. *Journal of Raptor Research* 27:175-179.
- Plumpton, D.L. and R.S. Lutz. 1993. Prey selection and food habits of Burrowing Owls in Colorado. *Great Basin Naturalist* 53:299-304.
- Poulin, R.G. and L.D. Todd. 2006. Sex and nest stage differences in the circadian foraging behaviors of nesting Burrowing Owls. *Condor* 108:856-864.
- Poulin, R.G., L.D. Todd, K.M. Dohms and others. 2006. Factors associated with nest- and roost-burrow selection by Burrowing Owls (*Athene cunicularia*) on the Canadian prairies. *Canadian Journal of Zoology* 83:1373-1380.
- Poulin, R.G., L.D. Todd and T.I. Wellicome. 2005. Food caching by Burrowing Owls on the regina plain, Saskatchewan *Blue Jay* 63:203-204.
- Poulin, R.G., L.D. Todd and T.I. Wellicome. 2006. Assessing the feasibility of release techniques for captive-bred Burrowing Owls. *Journal of Raptor Research* 40:142-150.
- Priest, J.E. 1997. Age identification of nestling Burrowing Owls. Pages 125-127 in Lincer, J.L. and K. Steenhof, (eds.), The Burrowing Owl, Its Biology and Management: Including the Proceedings of the First International Symposium. *Raptor Research Reports* No. 9.

Remsen, J. V. 1978. Bird species of special concern in California: an annotated list of declining or vulnerable bird species. California Department of Fish and Game, Nongame Wildlife Branch, Report #78-01.

Restani, M., J.M. Davies, and W.E. Newton. 2008. Importance of agricultural landscapes to nesting Burrowing Owls in the Northern Great Plains, USA. *Landscape Ecology* 23:977-987.

Restani, M., L.R. Rau and D.L. Flath. 2001. Nesting ecology of Burrowing Owls occupying black-tailed prairie dog towns in southeastern Montana. *Journal of Raptor Research* 35:296–303.
Rich, T. 1984. Monitoring Burrowing Owl populations: implications of burrow re-use. *Wildlife Society Bulletin* 12:178-180.

Rich, T. 1986. Habitat and nest-site selection by Burrowing Owls in the sagebrush steppe of Idaho. *Journal of Wildlife Management* 50:548-555.

Roberts, T.A. and C.O. Gaber. 2007. Habitat loss and population status estimate for Burrowing Owls in the San Joachin Valley. Pages 70-75 in Barclay, J.H. K.W. Hunting, J.L. Lincer, J. Linthicum and T.A. Roberts (eds.), Proceedings of the Burrowing Owl Symposium (November 2003). *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.

Ronan, N.A. 2002. Habitat selection, reproductive success, and site fidelity of Burrowing Owls in a grassland ecosystem. Master's Thesis. Oregon State University.

Rosenberg, D.K., J.A. Gervais, J. A., H. Ober, and D.S. DeSante. 1998. An adaptive management plan for the Burrowing Owl population at Naval Air Station Lemoore, California. Publication 95, Institute for Bird Populations, P.O. Box 1346, Pt. Reyes Station, CA 94956.

Rosenberg, D.K., and K.L. Haley. 2004. The ecology of Burrowing Owls in the agroecosystems of the Imperial Valley, California. *Studies in Avian Biology* 27:120-135.

Rosenberg, D.K., K.A. Swindle, and R. G. Anthony. 2003. Influence of prey abundance on northern spotted owl reproductive success in western Oregon. *Canadian Journal of Zoology* 81:1715-1725.

Rosier, J.R., N.A. Ronan, and D.K. Rosenberg. 2006. Post-breeding dispersal of Burrowing Owls in an extensive California grassland. *American Midland Naturalist* 155:162-167.

Sanchez, K.B., A.I. Malizia, M.S. Bo. 2008. Trophic ecology of the Burrowing Owl (*Athene cunicularia*) in urban environments of Mar Chiquita Biosphere Reserve (Buenos Aires Province, Argentina). *Ornitologia Neotropical* 19:71-80.

Sheffield, S. R. 1997. Current Status, Distribution, and Conservation of the Burrowing Owl (*Speotyto cunicularia*) in Midwestern and Western North America. *Biology and conservation of owls of the northern hemisphere: 2nd international symposium*; 1997 February 5-9; Winnipeg, Manitoba. Gen. Tech. Rep. NC-190. St. Paul, MN: U.S. Department of Agriculture.

- Sheffield, S. R., and M. Howery. 2001. Current status, distribution, and conservation of the Burrowing Owl in Oklahoma. *Journal of Raptor Research* 35:351-356.
- Sidle, J. G., M. Ball, D. Weber, J. Chynoweth, G. Foli, R. Hodorff, G. Moravek, and R. Peterson, D. Svingen. 2001. Occurrence of Burrowing Owls in prairie dog towns on Great Plains. *Journal of Raptor Research* 35:316-321.
- Sissons, R.A., Scalise, K L., and T.I. Wellicome. 2001. Nocturnal foraging and habitat use by male Burrowing Owls in a heavily cultivated region of southern Saskatchewan. *Journal of Raptor Research* 35:304–309.
- Skeel, M. A., J. Keith, and C. S. Palaschuk. 2001. A population decline recorded by Operation Burrowing Owl in Saskatchewan. *Journal of Raptor Research* 35:371-377.
- Smallwood, K.S. and C. Thelander. 2008. Bird mortality in the Altamont Pass Wind Resource Area, California. *Journal of Wildlife Management* 72:215-223.
- Smallwood, K.S., C.G. Thelander, M.L. Morrison and others. 2007. Burrowing Owl mortality in the Altamont Pass Wind Resource Area. *Journal of Wildlife Management* 71:1513-1524.
- Smith, M.D. and C. J. Conway. 2005. Use of artificial burrows on golf courses for Burrowing Owl conservation. *Turf and Environmental Research Online* 4:1-6.
- Smith, M.D. and C.J. Conway. 2007. Use of mammal manure by nesting Burrowing Owls: A test of four functional hypotheses. *Animal Behavior* 73:65-73.
- Smith, M.D. C. J. Conway, and L. E. Ellis. 2005. Burrowing Owl nesting productivity: a comparison between artificial and natural burrows on and off golf courses. *Wildlife Society Bulletin* 33:454-462.
- Stanton, E.J. and S. Teresa. 2007. Management of Burrowing Owl habitat on mitigation lands. Pages 132-136 in Barclay, J.H., K.W. Hunting, J.L. Lincer, J. Linthicum and T.A. Roberts (eds.), *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.
- Stevens, A.F.J., E.M. Bayne and T.I. Wellicome. 2011. Soil and climate are better than biotic land cover for predicting home-range habitat selection by endangered Burrowing Owls across the Canadian Prairies. *Biological Conservation* 144:1526-1536.
- Thompson, C.D. and S.H. Anderson. 1988. Foraging behavior and food habits of Burrowing Owls in Wyoming. *Prairie Naturalist* 20:23-28.
- Thomson, K.A. 1988. Management of Burrowing Owls in Manitoba, population distribution and plan for recovery. M.S. Thesis. Natural Resource Institute, University of Manitoba, Winnipeg, Manitoba.

Thomsen, L. 1971. Behavior and Ecology of Burrowing Owls on the Oakland Municipal Airport. *The Condor* 73:177-192.

Tipton, H.C., P.F. Doherty, Jr. and V.J. Dreitz. 2009. Abundance and density of mountain plover (*Charadrius montanus*) and Burrowing Owl (*Athene cunicularia*) in Eastern Colorado. *The Auk* 126: 493-499.

Todd, L. D. 2001. Dispersal patterns and post-fledging mortality of juvenile Burrowing Owls in Saskatchewan. *Journal of Raptor Research* 35:282-287.

Todd, L.D., R.G. Poulin, R.M. Brigham and others. 2007. Pre-migratory movements by juvenile Burrowing Owls in a patchy landscape. *Avian Conservation and Ecology* Volume: 2 Issue: 2 Pages: Article No.: 4.

Todd, L. D., and J. Skilnic. 2002. Large clutch size of a Burrowing Owl, *Athene cunicularia*, found in Saskatchewan. *Canadian Field-Naturalist* 116:307–308.

Townsend S.E. and C. Lenihan. 2007. Burrowing Owl status in the greater San Francisco Bay Area. Pages 60-69 in Barclay, J.H. K.W. Hunting, J.L. Lincer, J. Linthicum and T.A. Roberts (eds.), Proceedings of the Burrowing Owl Symposium (November 2003). *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.

Trulio, L.A. 1995. Passive relocation: A method to preserve Burrowing Owls on disturbed sites. *Journal of Field Ornithology* 66:99-106.

Trulio, L.A. 1997. Burrowing Owl demography and habitat use at two urban sites in Santa Clara County, California. Pages 84-89 in J. L. Lincer and K. Steenhof (eds.) , The Burrowing Owl: its biology and management, including the proceedings of the First International Burrowing Owl Symposium. *Raptor Research Reports* No. 9.

Trulio, L.A. 1997. Strategies for protecting western Burrowing Owls (*Speotyto cunicularia hypugaea*) from human activities. Proceedings of the Second International Symposium on the Biology and Conservation of Western Hemisphere Owls. February, 1997. Winnipeg, Canada.

Trulio, L.A. and D.A. Chromczak. 2007. Burrowing Owl nesting success at urban and parkland sites in Northern California. Pages 115-122 in Barclay, J.H. K.W. Hunting, J.L. Lincer, J. Linthicum and T.A. Roberts (eds.), Proceedings of the Burrowing Owl Symposium (November 2003). *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.

Trulio, L.A. and P. Higgins. 2012. The diet of Western Burrowing Owls in an urban landscape. *Western North American Naturalist* 72:348-356.

Tyler, J.D. 1983. Notes on the Burrowing Owl food habits in Oklahoma. *Southwestern Naturalist* 28:100-102.

Wellicome, T.I. 1994. Is Reproduction in Burrowing Owls limited by food supply? *Picoides* 7: 9-10.

Wellicome, T.I. 1997. Reproductive performance of Burrowing Owls (*Speotyto cunicularia*): effects of supplemental food. Pages 68-73 in J. L. Lincer and K. Steenhof (eds.), *The Burrowing Owl: its biology and management, including the proceedings of the First International Burrowing Owl Symposium*. *Raptor Research Reports* No. 9.

Wellicome, T.I and G.L. Holroyd. 2001. Second International Burrowing Owl symposium: Background and context. *Journal of Raptor Research* 35:269-273.

Welty, J. L., J.R. Belthoff and J. Egbert. 2012. Relationships between yolk androgens and nest density, laying date, and laying order in Western Burrowing Owls (*Athene cunicularia hypugaea*). *Canadian Journal of Zoology* 90: 182-192.

Wesemann, T. and M. Rowe. 1987. Factors influencing the distribution and abundance of Burrowing Owls in Cape Coral, Florida. *Integrating Man and Nature in the Metropolitan Environment*. Columbia, MD: Proceedings of National Symposium On Urban Wildlife.

Widdicombe, J.H. 2007. Nesting Burrowing Owls in Solano and Yolo Counties, 2000-2005. Pages 52-59 in Barclay, J.H. K.W. Hunting, J.L. Lincer, J. Linthicum and T.A. Roberts (eds.), *Proceedings of the Burrowing Owl Symposium* (November 2003). *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.

Wiley, J.W. 1998. Breeding-season food habits of Burrowing Owls (*Athene cunicularia*) in southwestern Dominican Republic. *Journal Raptor Research* 32:241-245.

Wilkerson, R.L. and R.B. Siegel. 2011. Distribution and abundance of Western Burrowing Owls (*Athene cunicularia hypugaea*) in Southeastern California. *Southwestern Naturalist* 56:378-384.

Williford, D., M.C. Woodin, and M.K. Skoruppa and others. 2007. Characteristics of roost sites used by Burrowing Owls (*Athene cunicularia*) wintering in southern Texas. *Southwestern Naturalist* 52:60-66.

Williford, D., M.C. Woodin, and M.K. Skoruppa. 2009. Factors influencing selection of road culverts as winter roost sites by Western Burrowing Owls. *Western North American Naturalist* 69:149-154.

Williford, D., M.C. Woodin, and M.K. Skoruppa. 2009. Rodents new to the diet of the western Burrowing Owl (*Athene cunicularia hypugaea*). *Southwestern Naturalist* 54:87-90.

Winchell, C S. 1994. Natural history and protection of Burrowing Owls. *Proc. 16th Vertebrate Pest Conference*.

Winter, S.L. and J.F. Cully, Jr. 2007. Burrowing Owl associations with black-tailed prairie dog colonies in southwestern Kansas and southeastern Colorado. *Prairie Naturalist* 39:69-75.

Woodin, M.C., C.J. Littles, and M.K. Skoruppa. 2008. Land use patterns and historical changes in the status of the Western Burrowing Owl in southern Texas. *Bulletin of the Texas Ornithological Society* 41:6-13.

York, M.M., D.K. Rosenberg, and K.K. Sturm. 2001. Diet and food-niche breadth of Burrowing Owls (*Athene cunicularia*) in the Imperial Valley, California. *Western North American Naturalist* 62:280-287.

Yosef, R. and M. Deyrup 1994. Pellet analysis of Burrowing Owls in South Central Florida. *Florida Field Naturalist* 22:78-80.

Zarn, M. 1974. Burrowing Owl, Report no. 11. Habitat management series for unique or endangered species. U. S. Department of the Interior, Bureau of Land Management, Denver, Colorado. 25pp.

NOTES:

a) For a very complete bibliography on the Burrowing Owl in California through 2003 see: Lincer, J.L. and R.C. Clark. 2007. A bibliography on the Burrowing Owl in California. Pages 185-197 in Barclay, J.H., K.W. Hunting, J.L. Lincer, J. Linthicum and T.A. Roberts (eds.), *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.

b) There have been three compilations of Burrowing Owl presentations. Many of those papers are in this bibliography, but for the complete compilations see these publications:

The Burrowing Owl: Its biology and management, including the Proceedings of the First International Burrowing Owl Symposium. 1997. Lincer, J. L., K. Steenhof (eds.), *Raptor Research Reports* No. 9. The Raptor Research Foundation.

Second International Burrowing Owl Symposium. 2001. *Journal of Raptor Research* 35(4):269-407.

Proceedings of the Burrowing Owl Symposium (November 2003). 2007. Barclay, J.H., K.W. Hunting, J.L. Lincer, J. Linthicum and T.A. Roberts (eds.), *Bird Populations Monographs* No. 1. The Institute for Bird Populations and Albion Environmental, Inc.