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CATEGORIZED BIBLIOGRAPHY
OF THE PAYNES PRAIRIE
BASIN, FLORIDA

by

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[Separate addendum to: Comprehensive Reconnaissance
Profile of the Paynes Prairie Basin, Florida]

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The contents of this report are produced as received from the contractor.

The opinions, findings, and conclusions expressed are not necessarily those of the St. Johns River Water Management District, nor does mention of company names or products constitute endorsement by the St. Johns River Water Management District.

INTRODUCTION

This document contains a categorized bibliography of 133 references which form the basis for our review and synthesis of the reconnaissance profile of the Payne's Prairie Basin (section 1). Included in the bibliography are technical reports, theses, dissertations, books, published articles, and unpublished manuscripts, each treating aspects of the ecology and management of this basin. This guide is automated using a data base management system for references (REF-11; DG Systems, Hartford, CT.).

The main purpose of this bibliography is to create a computerized system for references which can be searched, updated, and output in various forms. We have used a number of categories (see page 3) to organize this guide. Because the bibliography is automated, we can, on request, generate lists of references in combined categories (either the union or the intersection of two or more categories).

We will continue to add pertinent references to this automated bibliography in an effort to facilitate access to up-to-date research information dealing with the ecology and management of the Payne's Prairie Basin.

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Reference category: History

- Arnade, C. (1961) Cattle raising in Florida. *Agricultural History* 35 (3).
- Bullen, R.P. (1958) The Bolen Bluff site on Payne's Prairie. *Contributions of the Florida State Museum: Social Sciences* # 4.
- Camp, P.D. (1932) A study of range cattle management in Alachua County, Florida. *Florida Agric. Expt. Sta. Bull.* 248: 28.
- Carr, M.H. (1942) The breeding habits, embryology, and larval development of large-mouthed bass in Florida. *Proc. New England Zool. Club* XX: 43-77.
- CH2MHill (1987) Gainesville's Main Street Wastewater Treatment Plant and Sweetwater Branch - permitting issues, and appendices.
- Dix, R.L. (1964) A history of biotic and climatic changes within the North American grassland. In D.J. Crisp (ed): *Grazing in terrestrial and marine environments: A symposium*. Oxford, England: Blackwell Sci. Publ., pp. 71-89.
- Easterday, J.C. (1982) A flora of Payne's Prairie Basin and Alachua Sink Hammock. M.S. Thesis, University of Florida. Gainesville: p. 139 pp.
- FDNR (1986) Florida Department of Natural Resources. Payne's Prairie State Preserve Unit Plan, State of Florida + addenda, maps : p. 137.
- Floyd, W.L. (1936) Probable origin of Payne's Prairie and changes that have taken place in and about it. *Univ. of Florida Libraries, Gainesville, FL* : p. 10.
- Morris, T.L. (1974) Water hyacinth Eichornia crassipes (mart.) solms: It's ability to invade aquatic ecosystems of Payne's Prairie Preserve. M.S. Thesis, University of Florida. Gainesville: p. 135 pp.
- Mullins, S.A. (1977) Archeological survey and excavation in the Payne's Prairie State Preserve. M.S. Thesis, University of Florida. Gainesville: p. 160 pp.
- Opdyke, J.B. (1974) A sesquicentennial tribute. Alachua County Historical Commission, Gainesville, FL : p. 63.
- Quigg, J.E.A. (1958) Payne's Prairie: Term paper, Univ. of Florida Libraries, Gainesville, FL : p. 14.
- Shelford, V.E. (1963) *The ecology of North America*. Urbana, Illinois: Univ. of Illinois Press.
- Van Doren, M. (1928) *The travels of William Bartram*. New York: Dover Publ., p. 414.
- Watkins, C.B. (1976) The story of historic Micanopy. Alachua County Historical Commission, Gainesville, FL : p. 98.

History

Webber, C. (1883) The Eden of the South. Univ. of Florida Libraries, Gainesville, FL.

White, L.D. (1974) Ecosystem analysis of Payne's Prairie for discerning optimum resource use. School of Forest Resources and Conservation, Research Report 24, IFAS, University of Florida.

Williams, J.L. (1837) The territory of Florida. Univ. of Florida Libraries, Gainesville, FL.

Reference category: Physiography, geology

- Allen, M. (1986) Orange Lake biological report. Supporting document for designation as an Outstanding Florida Water. Florida Game and Fresh Water Fish Commission, Tallahassee, Florida : p. 34.
- Brenner, M., M.W. Binford, and E.S. Deevey (1981) Florida lakes. Florida State Museum, University of Florida, Gainesville : p. 59.
- Brooks, H.K. (1981) Geologic map of Florida. Doc. 6-5M-82. Florida Coop. Extension Service, IFAS, University of Florida. Gainesville..
- Brooks, H.K. (1981) Guide to the physiographic divisions of Florida, including a map of the physiographic divisions. IFAS, Univ. of Florida: p. 16.
- Canfield, D.E. (1981) Chemical and trophic state characteristics of lakes in relation to regional geology. Final report submitted to Coop. Fish and Wildlife Research Unit, University of Florida. Gainesville: p. 444.
- Clark, W., R. Musgrove, C. Menke, and J. Cagle (1964) Interim report on the water resources of Alachua, Bradford, Clay, and Union counties, Florida. Florida Geological Inform. circ. #35, State Board of Conservation, Division of Geology. Tallahassee, FL : p. 170.
- Davis, J.H. (1973) Establishment of mean high-water lines in Florida lakes. Florida Water Resources Research Center, publ. #24. Gainesville, FL.
- Easterday, J.C. (1982) A flora of Payne's Prairie Basin and Alachua Sink Hammock. M.S. Thesis, University of Florida. Gainesville: p. 139 pp.
- FDNR (1986) Florida Department of Natural Resources. Payne's Prairie State Preserve Unit Plan, State of Florida + addenda, maps : p. 137.
- Floyd, W.L. (1936) Probable origin of Payne's Prairie and changes that have taken place in and about it. Univ. of Florida Libraries, Gainesville, FL : p. 10.
- Gottgens, J.F., and C.L. Montague (1987) Orange, Lochloosa, and Newnans lakes: A survey and preliminary interpretation of environmental research data. Final Report prepared for St. Johns River WMD, Univ. of Florida, Gainesville : p. 82.
- Jensen, J.H. (1985) The hydrogeology and karst features of Payne's Prairie Basin, Alachua County, Florida. M.S. thesis, University of Florida. Gainesville : p. 131.
- Langeland, K.A. (1982) Relationships among hydrosol, water chemistry, transparency, chorophyll a, and submersed macrophyte biomass. Ph.D. dissertation, University of Florida, Gainesville, FL : p. 143.
- Morris, T.L. (1974) Water hyacinth Eichornia crassipes (mart.) solms: It's ability to invade aquatic ecosystems of Payne's Prairie Preserve. M.S. Thesis, University of Florida. Gainesville: p. 135 pp.

Physiography, geology

- Nordlie, F.G. (1976) Plankton communities of three central Florida lakes. *Hydrobiologia* 48 (1): 65-78.
- Opper, S.C. (1982) The hydrogeology of Lake Wauberg and vicinity Alachua County, Florida. M.S. thesis, University of Florida. Gainesville : p. 119.
- Pirkle, E.C. (1956) The Hawthorne and Alachua Formations of Alachua County, Florida. *Quart. J. Fla Acad. Sciences* 19 (4): 197-240.
- Pirkle, E.C. (1956) Notes on the physiographic features of Alachua County, Florida. *Quart. J. Fla. Acad. Sciences* 19(2-3): 168-182.
- Pirkle, E.C., and H.K. Brooks (1959) Origin and hydrology of Orange Lake, Santa Fe Lake, and Levy Prairie Lakes of northcentral peninsular Florida. *J. of Geology* 67 (3): 302-317.
- Puri, H.S., and R.O. Vernon (1964) Summary of the geology of Florida and a guidebook to the classic exposures. *Fla. Geol. Survey Spec. Publ. # 5 (rev.)* : p. 312.
- Putnam, H.D., P.L. Brezonik, W.H. Morgan, and E.E. Shannon (1969) Eutrophication factors in north-central Florida lakes. In (ed): *Engineering progress at the University of Florida. College of Engineering, University of Florida* : p. 101.
- Pyne, D.G. (1985) Water resources of the proposed Lochloosa State Forest. In (ed): *Friends of Cross Creek, Inc., 1983; A proposal for Lochloosa State Forest, part II. Hawthorne, FL.*
- Sellards, E.H. (1910) Some lakes and lake basins. *Fla. Geol. Survey third annual report 1909-1910. (Reprinted in the sixth annual report 1913-1914)* : pp. 47-76.
- Sellards, E.H. (1912) The soils and other surface residual materials of Florida. In (ed): *Fla. Geol. Survey fourth annual report* : pp. 1-79.
- USDA (1985) Soil Conservation Service. *Soil Survey of Alachua County, Florida.*
- White, W.A. (1970) The geomorphology of the Florida peninsula. *Geol. Bull.* 51.

Reference category: Hydrology, climate

- Adkins, W.M. (1988) Hydrology of the Orange Creek and Payne's Prairie basins. St. Johns River Water Management District. (in preparation).
- Allen, M. (1986) Orange Lake biological report. Supporting document for designation as an Outstanding Florida Water. Florida Game and Fresh Water Fish Commission, Tallahassee, Florida : p. 34.
- Bartholic, J.F., R.G. Bill, and L.H. Allen (1980) Measurement of evaporation from lakes and ponds in Florida. University of Florida, Gainesville.
- Bill, R.G., A.F. Cook, L.H. Allen, J.E. Bartholic, and T. Maki (1980) Predicting fluxes of latent and sensible heat of lakes from surface water temperatures. Dept. Fruit Crops, University of Florida, Gainesville. J. Geophys. Res. 85: 507-512.
- Brenner, M., M.W. Binford, and E.S. Deevey (1981) Florida lakes. Florida State Museum, University of Florida, Gainesville : p. 59.
- CH2MHill (1987) Gainesville's Main Street Wastewater Treatment Plant and Sweetwater Branch - permitting issues, and appendices.
- Clark, W., R. Musgrove, C. Menke, and J. Cagle (1964) Interim report on the water resources of Alachua, Bradford, Clay, and Union counties, Florida. Florida Geological Inform. circ. #35, State Board of Conservation, Division of Geology. Tallahassee, FL : p. 170.
- Davis, J.H. (1973) Establishment of mean high-water lines in Florida lakes. Florida Water Resources Research Center, publ. #24. Gainesville, Fl.
- Deevey, E.S. (1988) Estimation of downward leakage from Florida lakes (in press). Limnol. Oceanogr.
- Easterday, J.C. (1982) A flora of Payne's Prairie Basin and Alachua Sink Hammock. M.S. Thesis, University of Florida. Gainesville: p. 139 pp.
- FCC (1983) Friends of Cross Creek, Inc. A proposal for Lochloosa State Forest, part II. Hawthorne, FL.
- FDNR (1986) Florida Department of Natural Resources. Payne's Prairie State Preserve Unit Plan, State of Florida + addenda, maps : p. 137.
- Floyd, W.L. (1936) Probable origin of Payne's Prairie and changes that have taken place in and about it. Univ. of Florida Libraries, Gainesville, FL : p. 10.
- Gottgens, J.F. (1987) Water resources of the Prairie Creek area. In R.G. Hamann and M.T. Brown (eds): The Prairie Creek CARL project proposal : p. 4.

Hydrology, climate

- Gottgens, J.F., and C.L. Montague (1987) Orange, Lochloosa, and Newmans lakes: A survey and preliminary interpretation of environmental research data. Final Report prepared for St. Johns River WMD, Univ. of Florida, Gainesville : p. 82.
- Hamann, R.G., and M.T. Brown (1987) Prairie Creek C.A.R.L. Project Proposal. Alachua County Conservation and Recreation Task Force.
- Heath, R.C., and C.S. Conover (1981) Hydrologic almanac of Florida. Open file report 81-1107. U.S. Geological Survey, Tallahassee, FL.
- Jensen, J.H. (1985) The hydrogeology and karst features of Payne's Prairie Basin, Alachua County, Florida. M.S. thesis, University of Florida. Gainesville : p. 131.
- Morris, T.L. (1974) Water hyacinth Eichornia crassipes (mart.) solms: It's ability to invade aquatic ecosystems of Payne's Prairie Preserve. M.S. Thesis, University of Florida. Gainesville: p. 135 pp.
- Opper, S.C. (1982) The hydrogeology of Lake Wauberg and vicinity Alachua County, Florida. M.S. thesis, University of Florida. Gainesville : p. 119.
- Pirkle, E.C., and H.K. Brooks (1959) Origin and hydrology of Orange Lake, Santa Fe Lake, and Levy Prairie Lakes of northcentral peninsular Florida. J. of Geology 67 (3): 302-317.
- Pyne, D.G. (1985) Water resources of the proposed Lochloosa State Forest. In (ed): Friends of Cross Creek, Inc., 1983; A proposal for Lochloosa State Forest, part II. Hawthorne, FL.
- Sellards, E.H. (1910) Some lakes and lake basins. Fla. Geol. Survey third annual report 1909-1910. (Reprinted in the sixth annual report 1913-1914) : pp. 47-76.
- USDA (1985) Soil Conservation Service. Soil Survey of Alachua County, Florida.
- White, L.D. (1974) Ecosystem analysis of Payne's Prairie for discerning optimum resource use. School of Forest Resources and Conservation, Research Report 24, IFAS, University of Florida.
- Williams, J.L. (1837) The territory of Florida. Univ. of Florida Libraries, Gainesville, FL.

Reference category: Land-use, vegetation

- Brezonik, P.L., and E.E. Shannon (1971) Trophic states of lakes in north and central Florida. Florida Water Resource Research Center, publ. #13. Gainesville, FL : p. 102.
- Brown, M.T. (1985) Ecological systems present in the Cross Creek study area. In (ed): Friends of Cross Creek-Cross Creek special study area : p. 6.
- Center for Wetlands (1973) Vegetation and land-use of the St. Johns River Water Management District. University of Florida.
- Easterday, J.C. (1982) A flora of Payne's Prairie Basin and Alachua Sink Hammock. M.S. Thesis, University of Florida. Gainesville: p. 139 pp.
- Hamann, R.G., and M.T. Brown (1987) Prairie Creek C.A.R.L. Project Proposal. Alachua County Conservation and Recreation Task Force.
- Huber, W.C., P.L. Brezonik, J.P. Heaney, R.E. Dickinson, S.D. Preston, D.S. Dwornik, and M.A. Demaio (1982) A classification of Florida lakes. Department of Environmental Engineering Sciences, University of Florida. Gainesville, FL.
- Mullins, S.A. (1977) Archeological survey and excavation in the Payne's Prairie State Preserve. M.S. Thesis, University of Florida. Gainesville: p. 160 pp.
- Nordlie, F.G. (1976) Plankton communities of three central Florida lakes. Hydrobiologia 48 (1): 65-78.
- USDA (1985) Soil Conservation Service. Soil Survey of Alachua County, Florida.

Reference category: Sediment

Binford, M.W., and M. Brenner (1986) Dilution of ^{210}Pb by organic sedimentation in lakes of different trophic states, and application to studies of sediment-water interactions. *Limnol. Oceanogr.* 31 (3): 584-595.

Deevey, E.S., M.W. Binford, M. Brenner, and T.J. Whitmore (1986) Sedimentary records of accelerated nutrient loading in Florida lakes. *Hydrobiologia* 143: 49-53.

Flannery, M.S., R.D. Snodgrass, and T.J. Whitmore (1982) Deepwater sediments and trophic conditions in Florida lakes. *Hydrobiologia* 92: 597-602.

Reference category: Water quality; Bivens Arm

- ACDES (1982-88) Alachua County Department of Environmental Services.
Miscellaneous water quality records. Unpublished data; 1982-1988.
- Brezonik, P.L., and E.E. Shannon (1971) Trophic states of lakes in north
and central Florida. Florida Water Resource Research Center, publ. #13.
Gainesville, FL : p. 102.
- Canfield, D.E. (1983) Prediction of chlorophyll a concentration in Florida
lakes: The importance of phosphorus and nitrogen. Water Res. Bull. 19
(2): 255-262.
- Canfield, D.E., J.V. Shireman, D.E. Colle, W.T. Haller, C.E. Watkins, and M.
J. Maceina (1984) Prediction of chlorophyll a concentrations in Florida
lakes: Importance of aquatic macrophytes. Can. J. Fish. Aquat. Sci. 41:
497-501.
- Hand, J., V. Tauxe, and J. Watts (1986) Florida water quality assessment
305(b) technical report. Bureau of Water Quality Management. Florida
Department of Environmental Regulation, Tallahassee, FL.
- Huber, W.C., P.L. Brezonik, J.P. Heaney, R.E. Dickinson, S.D. Preston, D.S.
Dwornik, and M.A. Demaio (1982) A classification of Florida lakes.
Department of Environmental Engineering Sciences, University of Florida.
Gainesville, FL.
- Nordlie, F.G. (1976) Plankton communities of three central Florida lakes.
Hydrobiologia 48 (1): 65-78.
- Putnam, H.D., P.L. Brezonik, W.H. Morgan, and E.E. Shannon (1969)
Eutrophication factors in north-central Florida lakes. In (ed):
Engineering progress at the University of Florida. College of
Engineering, University of Florida : p. 101.
- Shannon, E.E. (1970) Eutrophication-trophic state relationships in north
and central Florida lakes. Ph.D dissertation, University of Florida.
Gainesville : p. 258.

Reference category: Water quality; Lake Wauberg

- Brezonik, P.L., and E.E. Shannon (1971) Trophic states of lakes in north and central Florida. Florida Water Resource Research Center, publ. #13. Gainesville, FL : p. 102.
- Canfield, D.E. (1983) Prediction of chlorophyll a concentration in Florida lakes: The importance of phosphorus and nitrogen. Water Res. Bull. 19 (2): 255-262.
- Canfield, D.E., J.V. Shireman, D.E. Colle, W.T. Haller, C.E. Watkins, and M. J. Maceina (1984) Prediction of chlorophyll a concentrations in Florida lakes: Importance of aquatic macrophytes. Can. J. Fish. Aquat. Sci. 41: 497-501.
- Carr, A.F. (1937) The plankton and carbon dioxide-oxygen cycle in Lake Wauberg, Florida. M.S. thesis, University of Florida. Gainesville : p. 17.
- Crisman, T.L. (1986) Algal control through trophic-level interactions: Investigations at Lakes Wauberg and Newmans, Florida. Final report to Florida Dept. of Natural Resources. Tallahassee, FL : p. 178.
- Garren, R.A. (1982) Macrophyte species composition-trophic state relationships in fourteen north and northcentral Florida lakes. M.S. thesis, University of Florida. Gainesville, FL : p. 85.
- Hand, J., V. Tauxe, and J. Watts (1986) Florida water quality assessment 305(b) technical report. Bureau of Water Quality Management. Florida Department of Environmental Regulation, Tallahassee, FL.
- Hodgson, L.M., S.B. Linda, and D.E. Canfield (1986) Periphytic algal growth in a hypereutrophic Florida lake following a winter decline in phytoplankton. Florida Scientist 49 (4): 234-241.
- Huber, W.C., P.L. Brezonik, J.P. Heaney, R.E. Dickinson, S.D. Preston, D.S. Dwornik, and M.A. Demaio (1982) A classification of Florida lakes. Department of Environmental Engineering Sciences, University of Florida. Gainesville, FL.
- Putnam, H.D., P.L. Brezonik, W.H. Morgan, and E.E. Shannon (1969) Eutrophication factors in north-central Florida lakes. In (ed): Engineering progress at the University of Florida. College of Engineering, University of Florida : p. 101.
- Shannon, E.E. (1970) Eutrophication-trophic state relationships in north and central Florida lakes. Ph.D dissertation, University of Florida. Gainesville : p. 258.

Reference category: Water quality; Payne's Prairie

- ACDES (1982-88) Alachua County Department of Environmental Services.
Miscellaneous water quality records. Unpublished data; 1982-1988.
- Black, Crow, and Eidsness (1973) Water quality survey for the city of
Gainesville, Florida. Black, Crow, and Eidsness, Inc.
- CH2MHill (1983) Petition for Principal Flow Exemption for Sweetwater Branch
Canal in Payne's Prairie, Florida : p. 15.
- Hand, J., V. Tauxe, and J. Watts (1986) Florida water quality assessment
305(b) technical report. Bureau of Water Quality Management. Florida
Department of Environmental Regulation, Tallahassee, FL.
- Huber, W.C., P.L. Brezonik, J.P. Heaney, R.E. Dickinson, S.D. Preston, D.S.
Dwornik, and M.A. Demaio (1982) A classification of Florida lakes.
Department of Environmental Engineering Sciences, University of Florida.
Gainesville, FL.
- Morris, T.L. (1974) Water hyacinth Eichornia crassipes (mart.) solms: It's
ability to invade aquatic ecosystems of Payne's Prairie Preserve. M.S.
Thesis, University of Florida. Gainesville: p. 135 pp.
- White, L.D. (1974) Ecosystem analysis of Payne's Prairie for discerning
optimum resource use. School of Forest Resources and Conservation,
Research Report 24, IFAS, University of Florida.

Reference category: Water quality; Sweetwater Branch

- ACDES (1982-88) Alachua County Department of Environmental Services.
Miscellaneous water quality records. Unpublished data; 1982-1988.
- Black, Crow, and Eidsness (1973) Water quality survey for the city of
Gainesville, Florida. Black, Crow, and Eidsness, Inc.
- CH2MHill (1981) Miscellaneous water quality studies for Gainesville
Regional Utilities.
- CH2MHill (1983) Petition for Principal Flow Exemption for Sweetwater Branch
Canal in Payne's Prairie, Florida : p. 15.
- CH2MHill (1986) Sweetwater Branch water quality characterization.
Technical memorandum, prepared for Gainesville Regional Utilities.
- GRU (1987) Effluent water quality records from Main Street Wastewater
Treatment Plant; January, 1982 - October 1986. In CH2MHill (ed):
Gainesville's Main Street Wastewater Treatment Plant and Sweetwater
Branch + appendices.
- Hand, J., V. Tauxe, and J. Watts (1986) Florida water quality assessment
305(b) technical report. Bureau of Water Quality Management. Florida
Department of Environmental Regulation, Tallahassee, FL.
- Jones, S. (1978) Metabolism and biomass of the water hyacinth in relation
to habit form and water quality. Unpubl. M.S. thesis, Univ. of Florida,
Gainesville, FL.
- Lugo, A. (1973-74) Botanical and ecological aspects of aquatic weed control.
Univ. of Florida, Gainesville, FL. (Quart. reports).
- Milchunas, D., and L.D. White (1975) Sewage effluent impact on small fish
in a north Florida marsh. School of Forest Resources and Conservation,
Univ. of Florida, Gainesville, FL.
- Morris, T.L. (1974) Water hyacinth Eichornia crassipes (mart.) solms: It's
ability to invade aquatic ecosystems of Payne's Prairie Preserve. M.S.
Thesis, University of Florida. Gainesville: p. 135 pp.
- Nicol, J.P. (1981) Sweetwater Branch: Wasteload Allocation documentation,
Alachua County. Water Quality Technical Services, Florida Department of
Environmental Regulation + appendices : p. 14.
- USGS (1985) U.S. Geological Survey. Miscellaneous water quality records.
Water resources of Florida.
- White, L.D. (1974) Ecosystem analysis of Payne's Prairie for discerning
optimum resource use. School of Forest Resources and Conservation,
Research Report 24, IFAS, University of Florida.

Water quality; Sweetwater Branch

Zeilinga, R. (1975) Some chemical aspects of the impact of effluent from Gainesville's Municipal Sewage Treatment Plant on the nutrient flows on Payne's Prairie State Preserve. Non-thesis report, Univ. of Florida, Gainesville, FL.

Reference category: Phytoplankton

Crisman, T.L. (1986) Algal control through trophic-level interactions: Investigations at Lakes Wauberg and Newnans, Florida. Final report to Florida Dept. of Natural Resources. Tallahassee, FL : p. 178.

Hodgson, L.M., and S.B. Linda (1982) Interactions among phytoplankton, periphyton, and submerged macrophyte communities. Final report to U.S. Department of Agriculture.

Hodgson, L.M., S.B. Linda, and D.E. Canfield (1986) Periphytic algal growth in a hypereutrophic Florida lake following a winter decline in phytoplankton. Florida Scientist 49 (4): 234-241.

Nordlie, F.G. (1976) Plankton communities of three central Florida lakes. Hydrobiologia 48 (1): 65-78.

Reference category: Plant communities

- Brown, M.T. (1985) Ecological systems present in the Cross Creek study area. In (ed): Friends of Cross Creek-Cross Creek special study area : p. 6.
- Carr, A.F. (1937) The plankton and carbon dioxide-oxygen cycle in Lake Wauberg, Florida. M.S. thesis, University of Florida. Gainesville : p. 17.
- Carr, A.F., and M.H. Carr (1942) Notes on the courtship of the cottonmouth moccasin. Proc. New England Zool. Club XX: 1-6.
- Carr, M.H. (1942) The breeding habits, embryology, and larval development of large-mouthed bass in Florida. Proc. New England Zool. Club XX: 43-77.
- Dugger, K.R. (1976) A management model for Payne's Prairie. M.S. Thesis, University of Florida. Gainesville: 158 pp.
- Easterday, J.C. (1982) A flora of Payne's Prairie Basin and Alachua Sink Hammock. M.S. Thesis, University of Florida. Gainesville: p. 139 pp.
- FDNR (1986) Florida Department of Natural Resources. Payne's Prairie State Preserve Unit Plan, State of Florida + addenda, maps : p. 137.
- Garren, R.A. (1982) Macrophyte species composition-trophic state relationships in fourteen north and northcentral Florida lakes. M.S. thesis, University of Florida. Gainesville, FL : p. 85.
- Hodgson, L.M., and S.B. Linda (1982) Interactions among phytoplankton, periphyton, and submerged macrophyte communities. Final report to U.S. Department of Agriculture.
- Langeland, K.A. (1982) Relationships among hydrosol, water chemistry, transparency, chlorophyll a, and submersed macrophyte biomass. Ph.D. dissertation, University of Florida, Gainesville, FL : p. 143.
- Morris, T.L. (1974) Water hyacinth Eichornia crassipes (mart.) solms: It's ability to invade aquatic ecosystems of Payne's Prairie Preserve. M.S. Thesis, University of Florida. Gainesville: p. 135 pp.
- Mullins, S.A. (1977) Archeological survey and excavation in the Payne's Prairie State Preserve. M.S. Thesis, University of Florida. Gainesville: p. 160 pp.
- Patton, J.C., and W.S. Judd (1986) Vascular flora of Payne's Prairie Basin and Alachua Sink hammock, Alachua County, Florida. Castanea 51 (2): 88-110.
- Snedaker, S., and A. Lugo (1972) Ecology of the Ocala National Forest. U.S. Forest Service Publication.
- Trogdon, R.P. (1934) A study of the seasonal and ecological distribution of the macroscopic invertebrate fauna of Wauberg Lake. M.S. thesis, University of Florida, Gainesville : p. 44.

Plant communities

White, L.D. (1974) Ecosystem analysis of Payne's Prairie for discerning optimum resource use. School of Forest Resources and Conservation, Research Report 24, IFAS, University of Florida.

White, L.D., and S.E. Gatewood (1974) Vegetation map of Paynes Prairie State Preserve. Prepared for Dept. of Natural Resources, Division of Recreation and Parks, Alachua County, FL.

Reference category: Zooplankton

Bays, J.S. (1983) Zooplankton-trophic state relationships and seasonality in Florida lakes. M.S. thesis, University of Florida, Gainesville. : p. 120.

Beaver, J.R. (1980) The distribution of planktonic ciliated protozoans in 30 Florida lakes of varying trophic state. M.S. thesis, University of Florida, Gainesville, FL : p. 148.

Beaver, J.R., and T.L. Crisman (1982) The trophic response of ciliated protozoans in fresh water lakes. *Limnol. Oceanogr.* 27: 246-253.

Beaver, J.R., and T.L. Crisman (1988) The role of planktonic ciliated protozoa in pelagic fresh water ecosystems. (in press). *Microb. Ecology.*

Crisman, T.L. (1986) Algal control through trophic-level interactions: Investigations at Lakes Wauberg and Newmans, Florida. Final report to Florida Dept. of Natural Resources. Tallahassee, FL : p. 178.

Nordlie, F.G. (1976) Plankton communities of three central Florida lakes. *Hydrobiologia* 48 (1): 65-78.

Reference category: Benthos

Evans, D.L. (1988) Letter report to Gainesville Regional Utilities on benthic macroinvertebrate fauna (Jan. 29, 1988). Water and Air Research, Inc : p. 11.

Trogdon, R.P. (1934) A study of the seasonal and ecological distribution of the macroscopic invertebrate fauna of Wauberg Lake. M.S. thesis, University of Florida, Gainesville : p. 44.

Reference category: Fish

- Carr, A.F. (1937) The plankton and carbon dioxide-oxygen cycle in Lake Wauberg, Florida. M.S. thesis, University of Florida. Gainesville: p. 17.
- Chew, R.L. (1972) The failure of largemouth bass (Micropterus salmoides) to spawn in eutrophic, overcrowded environments. Proc. Ann. Conf. Southeastern Assoc. Game and Fish Comm. 26: 306-319.
- FGC (1983) Florida Game and Fresh Water Fish Commission. Unpublished fish management survey for Wauberg Lake : p. 6.
- Kautz, R.S. (1980) Effects of eutrophication on the fish communities of Florida lakes. Proc. Ann. Conf. Southeastern Assoc. Fish and Wildl. Agencies 34: 67-80.
- Simmons, R.W. (1985) Fauna of the Cross Creek study area. In (ed): Friends of Cross Creek-Cross Creek special study area. Hawthorne, FL.
- Smith, S.L., and J.E. Crumpton (1977) Interrelationship of vegetative cover and sunfish population density in suppressing spawning in largemouth bass. Proc. Ann. Conf. Southeastern Assoc. Fish and Wildl. Agencies 31: 405-411.

Reference category: Wildlife

- Allen, M. (1986) Orange Lake biological report. Supporting document for designation as an Outstanding Florida Water. Florida Game and Fresh Water Fish Commission, Tallahassee, Florida : p. 34.
- Brown, K. (1987) Aquatic plants and cranes. Aquaphyte 7 (1): 1-4.
- Carr, A.F. (1937) The plankton and carbon dioxide-oxygen cycle in Lake Wauberg, Florida. M.S. thesis, University of Florida. Gainesville : p. 17.
- Carr, A.F., and M.H. Carr (1942) Notes on the courtship of the cottonmouth moccasin. Proc. New England Zool. Club XX: 1-6.
- Collopy, M.W. (1984) Parental care, productivity, and predator-prey relationships of ospreys in 3 north Florida lakes: Preliminary report. In M.A. Westfall (ed): Proc. Southeast. U.S. and Caribbean Osprey Symp: p. 132.
- Collopy, M.W., and P. Bohall-Wood (1986) Reintroduction of southern bald eagles: Recycling as management technique. Final report; Department of Wildlife and Range Sciences, University of Florida, Gainesville.
- Conant, R., and I. Conant (1975) A field guide to the reptiles and amphibians of eastern and central North America. Boston: Houghton-Mifflin Comp: p. 429.
- Deitz, D.C., and T.C. Hines (1980) Alligator nesting in northcentral Florida. Copeia 2: 249-258.
- Delaney, M.F., and C.L. Abercrombie (1986) American alligator food habits in northcentral Florida. J. Wildlife Manag. 50 (2): 348-353.
- FCC (1983) Friends of Cross Creek, Inc. A proposal for Lochloosa State Forest, part II. Hawthorne, FL.
- FDNR (1981) Florida Department of Natural Resources. Vertebrates identified in Payne's Prairie State Preserve. Public document 2-81. Division of Recreation and Parks - Interpretive Services.
- FDNR (1986) Florida Department of Natural Resources. Payne's Prairie State Preserve Unit Plan, State of Florida + addenda, maps : p. 137.
- Goodwin, T.M., and W.R. Marion (1979) Seasonal activity ranges and habitat preferences of adult alligators in a north-central Florida lake. J. Herpetology 13 (2): 157-164.
- Hamann, R.G., and M.T. Brown (1987) Prairie Creek C.A.R.L. Project Proposal. Alachua County Conservation and Recreation Task Force.
- Hines, T.C. (1979) The past and present status of the alligator in Florida. Proc. Southeastern Assoc. Fish and Wildl. Agencies 33: 224-232.

Wildlife

- Jeske, C.W., and H.F. Percival (1987) Time and energy budgets of wintering ring-necked ducks in Florida. *J. Wildl. Manage.* (in press).
- Kadlec, J.A. (1962) Effects of drawdown on a waterfowl impoundment. *Ecology* 43: 267-281.
- Kahl, M.P. (1964) The food ecology of the wood stork. *Ecol. Monogr.* 34: 97-117.
- Mulholland, R. (1983) Feeding ecology of the common moorhen and purple gallinule on Orange Lake, Florida. M.S. thesis, University of Florida, Gainesville.
- Mulholland, R., and H.F. Percival (1982) Food habits of the common moorhen and purple gallinule in north central Florida. *Proc. Annual Conf. Southeast Assoc. Fish Wildlife Agencies* : 527-536.
- Nesbitt, S.A. (1973) Wood stork nesting in north Florida. *Florida Field Naturalist* 1: 4-5.
- Nesbitt, S.A. (1977) Recent changes in winter crane use of Payne's Prairie. *Florida Field Naturalist* 5 (1): 16-17.
- Nesbitt, S.A., R.R. Roth, and W.B. Robertson (1975) The status of the bald eagle in Florida 1972-1975. *Proc. 29th Annual Conf. Southeast Game Fish Comm.*
- Ogden, J.C. (1971) The nesting season: Florida region. *American Birds* 25 (5): 846-851.
- Ogden, J.C., H.W. Kale, and S.A. Nesbitt (1980) The influence of annual variation in rainfall and water levels on nesting by Florida populations of wading birds. *Trans. Linnaean Soc. New York* IX: 115-126.
- Ogden, J.C., and S.A. Nesbitt (1979) Recent wood stork population trends in the United States. *Wilson Bulletin* 91: 512-523.
- Parenteau, C. (1987) Fauna of the proposed Prairie Creek acquisition. In R. G. Hamann and M.T. Brown (eds): *The Prairie Creek CARL project proposal*: p. 20.
- Robbins, C.S., B. Bruun, H.S. Zim, and A. Singer (1966) Guide to the field identification. *Birds of North America*. New York: Golden Press: p. 340.
- Rodgers, J.A., A.S. Wenner, and S.T. Schwikert (1987) Population dynamics of wood storks in north and central Florida. *Colonial Waterbirds* 10 (2): 151-156.
- Simmons, R.W. (1985) Fauna of the Cross Creek study area. In (ed): *Friends of Cross Creek-Cross Creek special study area*. Hawthorne, FL.
- Wood, J.M., A.R. Woodward, S.R. Humphrey, and T.C. Hines (1985) Night counts as an index of American alligator population trends. *Wildl. Soc. Bull.* 13: 262-273.

Wildlife

Woodward, A.R. (1985) Experimental alligator harvest. In (ed): Florida Game and Fresh Water Fish Commission-Alligator Research Project, annual report FY 1984-1985, Gainesville (Draft).

Reference category: Cultural resources

FDNR (1986) Florida Department of Natural Resources. Payne's Prairie State Preserve Unit Plan, State of Florida + addenda, maps : p. 137.

Hamann, R.G., and M.T. Brown (1987) Prairie Creek C.A.R.L. Project Proposal. Alachua County Conservation and Recreation Task Force.

Mullins, S.A. (1977) Archeological survey and excavation in the Payne's Prairie State Preserve. M.S. Thesis, University of Florida. Gainesville: p. 160 pp.

Reference category: Water level fluctuations
[with application to Payne's Prairie Basin]

- Dugger, K.R. (1976) A management model for Payne's Prairie. M.S. Thesis, University of Florida. Gainesville: 158 pp.
- Goodrick, R.L., and J.F. Milleson (1974) Studies of floodplain vegetation and water level fluctuation in the Kissimmee River Valley. Central and So. Florida Flood Control District, Tech. Pub. #74-2 : p. 60.
- Gottgens, J.F. (1986) Minimodels for evaluating the impact of lake level stabilization on plant biomass and the long-term effectiveness of three commonly used biomass reduction methods. Univ. of Florida, Gainesville, FL : p. 22.
- Gottgens, J.F., and C.L. Montague (1987) Orange, Lochloosa, and Newnans lakes: A survey and preliminary interpretation of environmental research data. Final Report prepared for St. Johns River WMD, Univ. of Florida, Gainesville : p. 82.
- Harris, S.W., and W.H. Marshall (1963) Ecology of water level manipulations on a northern marsh. Ecology 44: 331-343.
- Holcomb, D., and W. Wegener (1971) Hydrophytic changes related to lake fluctuation as measured by point transects. Proc. Ann. Conf. Southeastern Assoc. Game and Fish Comm. 25: 570-583.
- Kadlec, J.A. (1962) Effects of drawdown on a waterfowl impoundment. Ecology 43: 267-281.
- Lantz, K.E., J.T. Davis, J.S. Hughes, and H.E. Schafer (1964) Water level fluctuations: Its effects on vegetation control and fish population management. Proc. Southeast. Assoc. Game Fish Comm. 18: 483-494.
- Richardson, L.V. (1975) Water level manipulation: A tool for aquatic weed control. Hyacinth Contr. J. 13: 8-11.
- White, L.D. (1974) Ecosystem analysis of Payne's Prairie for discerning optimum resource use. School of Forest Resources and Conservation, Research Report 24, IFAS, University of Florida.

Reference category: Sweetwater Branch, effluent discharges

- CH2MHill (1983) Petition for Principal Flow Exemption for Sweetwater Branch Canal in Payne's Prairie, Florida : p. 15.
- CH2MHill (1987) Gainesville's Main Street Wastewater Treatment Plant and Sweetwater Branch - permitting issues, and appendices.
- EPA (1985) U.S. Environmental Protection Agency. Fresh water wetlands for wastewater management. Environmental assessment handbook. EPA region IV, Atlanta, GA.
- Evans, D.L. (1988) Letter report to Gainesville Regional Utilities on benthic macroinvertebrate fauna (Jan. 29, 1988). Water and Air Research, Inc : p. 11.
- FDNR (1986) Florida Department of Natural Resources. Payne's Prairie State Preserve Unit Plan, State of Florida + addenda, maps : p. 137.
- GRU (1987) Effluent water quality records from Main Street Wastewater Treatment Plant; January, 1982 - October 1986. In CH2MHill (ed): Gainesville's Main Street Wastewater Treatment Plant and Sweetwater Branch + appendices.
- Milchunas, D., and L.D. White (1975) Sewage effluent impact on small fish in a north Florida marsh. School of Forest Resources and Conservation, Univ. of Florida, Gainesville, FL.
- Nicol, J.P. (1981) Sweetwater Branch: Wasteload Allocation documentation, Alachua County. Water Quality Technical Services, Florida Department of Environmental Regulation + appendices : p. 14.
- Trussell, R.P. (1972) The percent un-ionized ammonia in aqueous ammonia solutions at different pH levels and temperatures. J. Fish. Res. Bd. Can. 29: 1505-1507.
- White, L.D. (1974) Ecosystem analysis of Payne's Prairie for discerning optimum resource use. School of Forest Resources and Conservation, Research Report 24, IFAS, University of Florida.

Reference category: Basin Management

- Baker, L.A., P.L. Brezonik, and C.R. Kratzer (1981) Nutrient loading-trophic state relationships in Florida lakes. Florida Water Resources Research Center, publ. #56, University of Florida, Gainesville : p. 126.
- CH2MHill (1987) Gainesville's Main Street Wastewater Treatment Plant and Sweetwater Branch - permitting issues, and appendices.
- Crisman, T.L. (1986) Eutrophication control with an emphasis on macrophytes and algae. In N. Polunin (ed): Ecosystem theory and application. : John Wiley & Sons, Ltd: pp. 200-239.
- Dugger, K.R. (1976) A management model for Payne's Prairie. M.S. Thesis, University of Florida. Gainesville: 158 pp.
- EPA (1985) U.S. Environmental Protection Agency. Fresh water wetlands for wastewater management. Environmental assessment handbook. EPA region IV, Atlanta, GA.
- FDER (1985) Florida Department of Environmental Regulation. Final order for Principal Flow Exemption. FDER file # VE-01-158 : p. 3.
- FDNR (1986) Florida Department of Natural Resources. Payne's Prairie State Preserve Unit Plan, State of Florida + addenda, maps : p. 137.
- Gainesville (1987) City of Gainesville. Regulation of development near creeks within the City of Gainesville. Ordinance # 3327-0-87-14 + appendices : p. 15.
- Gottgens, J.F. (1986) Minimodels for evaluating the impact of lake level stabilization on plant biomass and the long-term effectiveness of three commonly used biomass reduction methods. Univ. of Florida, Gainesville, FL : p. 22.
- Gottgens, J.F., and C.L. Montague (1987) Orange, Lochloosa, and Newmans lakes: A survey and preliminary interpretation of environmental research data. Final Report prepared for St. Johns River WMD, Univ. of Florida, Gainesville : p. 82.
- Haller, W.T. (1976) Hydrilla: A new and rapidly spreading aquatic weed problem. Circular S-245, IFAS, Univ. of Florida, Gainesville, FL : p. 13.
- Harris, S.W., and W.H. Marshall (1963) Ecology of water level manipulations on a northern marsh. Ecology 44: 331-343.
- Holcomb, D., and W. Wegener (1971) Hydrophytic changes related to lake fluctuation as measured by point transects. Proc. Ann. Conf. Southeastern Assoc. Game and Fish Comm. 25: 570-583.
- Morris, T.L. (1974) Water hyacinth Eichornia crassipes (mart.) solms: It's ability to invade aquatic ecosystems of Payne's Prairie Preserve. M.S. Thesis, University of Florida. Gainesville: p. 135 pp.

Basin Management

- Nicol, J.P. (1981) Sweetwater Branch: Wasteload Allocation documentation, Alachua County. Water Quality Technical Services, Florida Department of Environmental Regulation + appendices : p. 14.
- Pollman, C.D. (1983) Internal loading in shallow lakes. Ph.D. dissertation, University of Florida, Gainesville, FL : p. 137.
- Vallentyne, J.R. (1970) Phosphorus and the control of eutrophication. Can. Res. Development 1970: 36-43.
- White, L.D. (1974) Ecosystem analysis of Payne's Prairie for discerning optimum resource use. School of Forest Resources and Conservation, Research Report 24, IFAS, University of Florida.