

**THESES AND DISSERTATIONS ACCEPTED BY THE LOUISIANA STATE UNIVERSITY
SCHOOL OF RENEWABLE NATURAL RESOURCES
2002 - 2005**

Revised February 15, 2006

by Paul Y. Burns, Professor Emeritus, Renewable Natural Resources

This information supplements Research Report No. 15, Theses and Dissertations Accepted by the Louisiana State University School of Forestry, Wildlife, and Fisheries 1927-1991, by Paul Y. Burns et al.; and an update for 1992-2001, written by Paul Y. Burns for publication on the School of RNR website.

Theses and dissertations are listed under the year the degree was granted in alphabetical order by the author's surname. Where the name in the library's list differed from the name in the Commencement bulletin (as with some of the Hispanic names), I used the library's version of the name.

A four-digit numbering system was used; the first two digits indicate the year the degree was awarded, and the last two digits show the number of that item within the year. The major professor who supervised each student is listed after the title and number of pages, followed by the code for the degree awarded.

From 1994 through 2002 the School awarded the M.S. degree in wildlife as both thesis and non-thesis. The other M.S. degrees have a thesis requirement. In order to have a complete listing of all degrees granted, the recipients of non-thesis degrees are listed alphabetically along with the thesis students, in their year class, with the notation Δ Non-thesis.@

The degree conferred and the major field are listed in code as described below.

Degree and Major

PhDfo	Ph.D. in forestry
PhDwfs	Ph.D. in wildlife and fisheries science
MSfi	Master of Science in fisheries
MSfo	Master of Science in forestry
MSwi	Master of Science in wildlife

Indices for 2002 - 2005, alphabetized by the student's and major professor's last name, are at the end of the listing.

Theses and dissertations may be read on the LSU Libraries Online Catalog web site. In the "Search" area, choose "author" and enter the surname first, followed by the first name. To read the entire thesis or dissertation, press the URL listing for the document.

LIST OF THESES AND DISSERTATIONS 2002-2005

2002

- 0201 Alvarez Alonzo, Jose. Characteristic avifauna of white-sand forests in northern Peruvian Amazonia. 90 p. Robert B. Hamilton. MSwi
- 0202 Anteau, Michael Jason. Nutrient reserves of Lesser Scaup during spring migration in the Mississippi Flyway: a test of the spring condition hypothesis. 44 p. Alan D. Afton. MSwi
- 0203 Bolduc, Francois. Effects of structural marsh management and salinity on sediments, hydrology, invertebrates, and waterbirds in marsh ponds during winter on the Gulf Coast Chenier Plain. 148 p. Alan D. Afton. PhDwfs

- 0204 Groat, Derek Robert. Effects of feeding strategies on growth of Florida pompano (*Trachinotus carolinus*) in closed recirculating systems. 63 p. Robert C. Reigh. MSfi
- 0205 Herbst, Eric Christopher. Induction of tetraploidy in zebrafish *Danio rerio* and Nile tilapia *Oreochromis niloticus*. 126 p. Terrence R. Tiersch. MSfi
- 0206 Hoover, Andrea Kim. Patterns of female nest attendance in Northern Pintails and Mallards. 41 p. Frank C. Rohwer. MSwi
- 0207 Kulivan, David Philip. Non-thesis. Vernon L. Wright. MSwi
- 0208 Jerez Rico, Mauricio. Modeling canopy structure effects on loblolly pine growth. 78 p. Thomas J. Dean. PhDfo
- 0209 Lee, Sunyoung. Fundamental properties of borate-modified oriented strandboard manufactured from Southern wood species. 145 p. Qinglin Wu. PhDfo
- 0210 Li, Wei. Technical feasibility of flakeboard production from recycled CCA-treated wood. 72 p. Todd F. Shupe. MSfo
- 0211 Li, Zhanhai. Effects of several abiotic and biotic factors and plant hormones on growth, morphology, and camptothecin accumulation in *Camptotheca acuminata* seedlings. 124 p. Zhijun Liu. PhDfo.
- 0212 Mason, Torrance Dean. The influence of hydrilla infestation and drawdown on the food habits and growth of age-0 largemouth bass in the Atchafalaya River Basin, Louisiana. 101 p. William E. Kelso. MSfi
- 0213 Oetgen, Jesse Gordon. Effects of repeat sampling in the U.S. Waterfowl Parts Collection Survey. 20 p. Frank C. Rohwer. MSwi
- 0214 Parr, Landon David. Water discharge models, seasonal effluent mass loading, and Best Management Practices for crawfish ponds. 106 p. Robert P. Romaine. MSfi
- 0215 Poleo, German Antonio. Intracytoplasmic sperm injection (ICSI) in fishes. 155 p. Terrence R. Tiersch. PhDwfs
- 0216 Richkus, Kenneth Daniel. Northern Pintail nest site selection, nest success, re-nesting ecology, and survival in the intensively farmed prairies of southern Saskatchewan: an evaluation of the ecological trap hypothesis. 136 p. Frank C. Rohwer. PhDwfs
- 0217 Riley, Kenneth Lee Pickrell. Refrigerated storage and cryopreservation of sperm for the production of red snapper and snapper hybrids. 191 p. Terrence R. Tiersch. MSfi
- 0218 Talley, Scotland. Impacts of vertebrate herbivores and Hurricane Georges on densities of belowground plant material on shallow mudflats in the active Mississippi River delta. 56 p. Robert H. Chabreck. MSwi
- 0219 Whaley, Christopher Brian. Hybridization of Lepomid sunfishes by use of cryopreservation. 128 p. Terrence R. Tiersch. MSfi
- 0220 Yu, Shufang. Branch, crown, tree, and stand water flux in an 18-year-old loblolly pine plantation after thinning, fertilization, and throughfall exclusion treatments. 177 p. Jim L. Chambers. PhDfo

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- 0301 Adkins, Jeremy Paul. Experimental predator removal: a response in small mammal communities and relations to duck nest success. 23 p. Frank C. Rohwer. MSwi
- 0302 Bauman, Tessa Annette. Interaction of fire and insects in the restoration and management of longleaf pine. 64 p. Richard A. Goyer. MSfo
- 0303 Bush, Christina Samantha. Nekton utilization of restored habitat in a Louisiana marsh. 57 p. Megan K. G. LaPeyre. MSwi
- 0304 Caldwell, Aaron Bailey. Do terraces and coconut mats affect seeds and submerged aquatic vegetation at Sabine National Wildlife Refuge? 40 p. John A. Nyman. MSwi
- 0305 Chodacheck, Kristen Dawn. Evaluation of repeated removal of mammalian predators on waterfowl nest success and density. 26 p. Michael J. Chamberlain. MSwi
- 0306 Colón-Gaud, José-Checo. Macroinvertebrate abundance and distribution of *Hydrilla* and *Ceratophyllum* habitats in the Atchafalaya River Basin, Louisiana. 50 p. William E. Kelso. MSfi
- 0307 Crevello, Stacy Marie. Local land use on Borneo: applications of indigenous knowledge systems and natural resource utilization among the Benuaq Dayak of Kalimantan, Indonesia. 244 p. Richard P. Vlosky. PhDfo
- 0308 Davis, Kristopher Scott. Diet similarity of pen-raised versus native, Louisiana white-tailed deer in southeastern Louisiana. 55 p. Mark K. Johnson. MSwi
- 0309 Donkor, Ben Nathan. Evaluation of government interventions in Ghana=s forest product trade: a post-intervention impact assessment and perceptions of marketing implications. 165 p. Richard P. Vlosky. PhDfo.
- 0310 Engel, Matthew Aaron. Physicochemical effects on the abundance and distribution of larval fishes in the Atchafalaya River Basin, Louisiana. 132 p. D. Allen Rutherford. MSfi
- 0311 Fernand, Vivian Ester. Initial characterization of crude extracts from *Phyllanthus amarus* Schum. and Thonn. and *Quassia amara* L. using normal phase thin layer chromatography. 69 p. Cornelis F. de Hoop and Zhijun Liu MSfo
- 0312 Gray, Erica Deshay. Establishment of callus culture and measurement of seasonal changes in secondary compound production in *Eucommia ulmoides* Oliver. 53 p. Zhijun Liu. MSfo
- 0313 Hightower, Dwayne Allen. Fine-scaled movements and habitat use of black bears in South Central Louisiana. 78 p. Richard M. Pace, III. MSwi
- 0314 Jones, Judy Diane James. Effects of selective herbicide application on vegetation and invertebrates for northern bobwhite, and small mammal communities within managed pine forests. 91 p. Michael J. Chamberlain. MSwi
- 0315 Kallioranta, Sanna Marie. Role of eIntermediaries in the United States paper supply chain. 113 p. Richard P. Vlosky. MSfo
- 0316 Kanouse, Sarai. Nekton use and growth in three brackish marsh pond microhabitats. 67 p. Megan K.G. LaPeyre. MSfi
- 0317 Liu, Bo. Toxicity of South Louisiana crude oil, Alaskan North Slope crude oil, and dispersant COREXIT 9500 to Gulf killifish, white shrimp, and eastern oyster. 107 p. Robert P. Romaine. MSfi
- 0318 Lu, Ziqiang. Chemical coupling in wood-polymer composites. 237 p. Qinglin Wu. PhDfo

- 0319 McGowan, Joseph Michael. Habitat assessment and subspecies identification of Sandhill Cranes wintering in Louisiana. 30 p. Vernon Wright. MSwi
- 0320 Michalek, Alexander J. A mid-rotation bottomland red oak stand three years after thinning and fertilization. 66 p. Brian Roy Lockhart. MSfo
- 0321 Nugon, Robert W. Salinity tolerance of juveniles of four varieties of tilapia. 76 p. Charles G. Lutz. MSfi
- 0322 Piao, Cheng. Wood laminated composite poles. 97 p. Todd F. Shupe. PhDfo
- 0323 Poku, Kofi. Impact of corporate orientation on information technology adoption in the United States forest products industry. 113 p. Richard P. Vlosky. PhDfo
- 0324 Van Why, Kyle Ryan. Feasibility of restoring the Louisiana black bear (*Ursus americanus luteolus*) to portions of their former range. 90 p. Michael Chamberlain. MSwi
- 0325 Vun, Ronnie Yunheu. Ultrasonic characterization of engineering performance of oriented strandboard. 173 p. Qinglin Wu. PhDfo
- 0326 Wagner, Robert Owen. Developing landscape-scaled habitat selection functions for forest wildlife from Landsat data: judging black bear habitat quality in Louisiana. 163 p. Richard M. Pace, III. PhDwfs
- 0327 Wayman, William Rittenhouse. From gamete collection to database development: development of a model cryopreserved germplasm repository for aquatic species with emphasis on sturgeon. 285 p. Terrence R. Tiersch. PhDwfs
- 0328 Winslow, Christian Jesse. Estimation of waterfowl food abundance in coastal freshwater marshes of Louisiana and Texas. 58 p. John Andrew Nyman. MSwi

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- 0401 Ambardekar, Amogh Arun. Comparison of the efficiency of utilization of amino acids from intact protein and amino acids in crystalline form by channel catfish (*Ictalurus punctatus*). 127 p. Robert C. Reigh. MSfi
- 0402 Birdsong, Timothy Wayne. Complexity and nekton use of marsh edge habitat in Barataria Bay, Louisiana. 50 p. Megan K. G. LaPeyre MSfi
- 0403 Dimov, Luben Dimtchev. Spatial analyses and growth of trees in selected bottomland hardwood stands. 125 p. Jim L. Chambers PhDfo
- 0404 Fortier, Barret Keith. Mortality of pen-raised white-tailed deer (*Odocoileus virginianus*) released on three areas in Louisiana. 45 p. J. Andrew Nyman MSwi
- 0405 Kinney, Sean David. Estimating the population of greater and lesser scaup during winter in offshore Louisiana. 41 p. Vernon L. Wright MSwi

- 0406 Kitts, Charles Lynn. Individual and landscape-level effects of selective herbicides, mowing, and prescribed fire on habitat quality for northern bobwhite (*Colinus virginianus*). 57 p. Michael J. Chamberlain MSwi
- 0407 Landry, Keri Elizabeth. Assessing landscape level impacts of red-imported fire ants on native faunal communities in pine-dominated forests. 42 p. Michael J. Chamberlain MSwi
- 0408 Li, Xiaobo. Physical, chemical, and mechanical properties of bamboo and its utilization potential for fiberboard manufacturing. 68 p. Todd L. Shupe MSfo
- 0409 Liu, Yaojian. Study on the termiticidal components of *Juniperus virginiana*, *Chamaecyparis nootkatensis* and *Chamaecyparis lawsoniana*. 61 p. Todd L. Shupe MSfo
- 0410 Pawiroredjo, Patrice Arnold. Temperature effects of spawning and fingerling production of channel catfish *Ictalurus punctatus*. 135 p. Terrence R. Tiersch MSfi.
- 0411 Paz, Patricio Enrique (also Paz Castillo, Patricio Enrique). Evaluation of growth, production and cold tolerance of four varieties of tilapia. 86 p. Charles Gregory Lutz MSfi
- 0412 Szymanski, Michael Lester. Effects of spinning-wing decoys on flock behavior and hunting vulnerability of local and migrant mallards and other ducks in Minnesota. 88 p. Alan D. Afton MSwi
- 0413 Via, Brian Kipling. Modeling longleaf pine (*Pinus palustris* Mill.) wood properties using near infrared spectroscopy. 153 p. Todd L. Shupe. PhDfo
- 0414 Voitier, Matthew Daniel. Durability of pine strandboard modified with low molecular weight phenol formaldehyde. 52 p. W. Ramsay Smith MSfo
- 0415 Zhou, Yiqiang. Properties of borate-treated strandboard bonded with pMDI resin. 105 p. Qinglin Wu MSfo
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- 0501 Baldwin, Heather Quebedeaux. Effects of fire on home range size, site fidelity and habitat associations of grassland birds overwintering in southeast Texas. 69 p. Frank C. Rohwer MSwi
- 0502 Baldwin, Michael John. Winter bird use of the Chinese tallow tree in Louisiana. 78 p. Frank C. Rohwer MSwi
- 0503 Benson, John Farnum. Ecology and conservation of Louisiana black bears in the Tensas River Basin and reintroduced population. 114 p. Michael J. Chamberlain MSwi
- 0504 Bordelon, Seth Taylor. Effects of white-tailed deer herbivory on the growth and survival of seedlings in a coastal wetland forest. 61 p. John Andrew Nyman MSwi
- 0505 Dong, Qiaoxiang. Comparative studies of sperm cryopreservation of diploid and tetraploid Pacific oysters. 254 p. Terrence R. Tiersch PhDwfs
- 0506 Fisher, Jonathan Christopher. Do predator exclusion, position, and plant architecture influence hydrilla-dwelling macroinvertebrate communities? 76 p. William E. Kelso MSfi

- 0507 Gossman, Bryan Paul. Use of terraced marsh habitats by estuarine nekton in southwestern Louisiana. 59 p. Megan K. G. LaPeyre MSfi
- 0508 Jeong, Gi Young. Fracture behavior of wood plastic composite. 82 p. Qinglin Wu MSfo
- 0509 Jimenez, Fernando. Detection and evaluation of temperature effects on cell proliferation in somatic tissues of the eastern Oyster, *Crassostrea virginica*, by flow cytometry. 184 p. Jerome F. LaPeyre and Terrence R. Tiersch MSfi
- 0510 Jónsson, Jón Einar. Effects of body size on goose behavior: lesser snow goose and Ross= goose. 223 p. Alan D. Afton PhDwfs
- 0511 Kaller, Michael Douglas. Macroinvertebrate community ecology of lowland, subtropical streams in Louisiana. 152 p. William E. Kelso PhDwfs
- 0512 Kusuma, Indah D. Economic valuation of natural resource management: a case study of the Benuaq Dayak tripe in Kalimantan, Indonesia. 169 p. Richard P. Vlosky PhDfo
- 0513 LeGrand, Holly Grace. Associations of avian and herpetofauna communities with forest management at multiple spatial scales. 215 p. Michael J. Chamberlain. MSwi
- 0514 Lorenz, Nicole Frances. Environmental factors influencing incubation constancy and recess frequency in Gadwall (*Anas strepera*) in the Prairie Pothole Region of North Dakota. 36 p. Frank C. Rohwer MSwi
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- 0516 Schexnayder, Jamie Camille. Growth of a slash pine spacing study five years after thinning. 40 p. Thomas J. Dean MSfo
- 0517 Wilson, Walker Blake. Seasonal space use, habitat preference and survival of female wild turkeys in a Louisiana bottomland hardwood forest. 44 p. Michael J. Chamberlain MSwi
- 0518 Wu, Kangsheng. Long-term freshwater input and sediment load from three tributaries to Lake Ponchartrain, Louisiana. 138 p. Yi-Jun Xu PhDfo

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