

JOHN DATTILO

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PROFESSIONAL EXPERIENCE

UNIVERSITY OF MISSOURI - COLUMBIA: DEPARTMENT OF FISHERIES AND WILDLIFE SCIENCES

Field & Laboratory Technicians in the Limnology Laboratory at the University of Missouri-Columbia

Field Work

Monitored lakes throughout Missouri during the summers of 2013 and 2014 as part of un-supervised two-man field crew. Responsibilities included: maintaining vehicle and field equipment used to gather data, navigating to pre-selected lakes, gathering field data (vertical temperature, dissolved oxygen, pH and conductivity profiles), measuring Secchi transparency, collecting of both composite and grab lake samples, accurate record keeping (field data and travel expenses), drag net sampling for zooplankton and identifying species among lakes and proper storage of lake samples.

Sample Processing

Samples were processed the same day as collection. Responsibilities included: Allocating whole and filtered lake water for various chemical analyses, filtration of lake water for chlorophyll and suspended solids analyses, accurate recording of data, and proper storage of processed samples.

Laboratory Work

September 2014 to March 2015 work in lab analyzing lake water samples. Duties include:, extraction of chlorophyll prior to analysis, calibration of fluorometer, measuring chlorophyll fluorometrically, analyzing suspended solids via change in filter weight after drying and ashing, digestion/oxidation of samples for total phosphorus and total nitrogen analyses, measuring total phosphorus and nitrogen with a spectrophotometer, accurate data recording in Excel

Contact: Dr. John R. Jones (573-882-3543)

MISSOURI DEPARTMENT OF CONSERVATION: FISHERIES RESEARCH ASSISTANT – March 2015 – August 2015

Blue Catfish Angler Exploitation Study – Conducted at Mark Twain reservoir. Duties include: preparing and maintaining sampling gear, vehicle and boat. Using GPS to mark areas sampled, identifying and record fish species obtained along with recording weight and length and location data, placing reward tags on blue catfish meeting predetermined criteria

Small Impoundment Study - Examining impacts on gizzard shad when predators (flathead catfish and hybrid striped bass) are introduced and how sunfish species respond. Duties: Electroshocking. Measuring and weighing sampled fish. Extracting otoliths, sectioning and aging. Extracting male and female gonads and weighing them. Keeping record of all data

Contact: Supervisor – Paul Michaletz – 573-882-9909 ext. 3254

EDUCATION

Undergraduate: UNIVERSITY OF MISSOURI – COLUMBIA Class of 2014

Major: Fisheries and Wildlife Sciences

Minor: Biological Sciences

Cumulative GPA: 3.6

- 8 consecutive semesters of making the Dean's List
- Awarded the "Joe and Hazel Cannon Memorial Scholarship", "H. Willbur Allen memorial Scholarship" - the most prestigious award offered by the department, and the "Karhs-Miller Aquaculture for the Future Scholarship"

Graduate: OKLAHOMA STATE UNIVERSITY – August 2015-Present