

## Jeremy M. S. Bosso

Lab Manager

Wetlands Research Laboratory  
Center for Environmental Diagnostics and Bioremediation  
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EDUCATION      05/2007- current      University of West Florida  
**Master of Public Health**

08/2000-12/2002      University of West Florida  
**B.S. Chemistry/Biochemistry**

08/1997-05/2000      Pensacola Junior College  
**A.A. Chemistry**

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EXPERIENCE      08/2006-current Wetlands Research Laboratory-University of West Florida

### **Technical Director/Biochemist**

**Supervisor:** Dr. Richard Snyder 850-474-2806

Management, planning, and coordination of all activities of a NELAC certified laboratory engaged in environmental testing and monitoring, student and employee training, and community outreach. Reviewing data, generating reports, generating invoices.

Project Management (PM), Quality Assurance/Quality Control (QA/QC) and maintaining laboratory certification/accreditation. Oral and written communications to clients, principal investigators, supervisors and employees.

Developed Standard Operating Procedures (SOPs) and training, i.e. Quality Control, Ethics, instrument/procedure training. Managing data in Laboratory Information Management System (LIMS).

Ensuring adequate occupational safety training, i.e. Hazardous Waste Management, Laboratory Safety, and Biomedical/Biohazardous Waste training. Maintaining the laboratory Chemical Hygiene Program and Laboratory Biosafety Manual as well as Material Safety Data Sheet (MSDS) library.

Analyzed samples per various EPA Methods, Standard Methods and using various instruments for inorganic and wet chemistry. Instrumentation included: flame and furnace AA spectrophotometers, Ion Chromatography, Segmented-flow Autoanalyzer (AA3), Lachat QuikChem 8500, and various meters. Enterococcus, Fecal Coliform, E. coli, Total Coliform analysis for public health monitoring of recreational waters.

12/2004-08/2006 Severn Trent Laboratories

**Chemist/Analyst**

**Supervisor:** Shelley Kearley 850-471-6206

Trace metals analysis, including mercury, on environmental samples including water, soil, and other solids.

Trace Volatile Organic Analysis on water, soil, and air samples.

Extensive Quality Control and record keeping

Data analysis and reduction, calculations and generating reports

Instrumentation includes Mercury Analyzer, Gas Chromatography (GC) and various spectrophotometers.

Followed EPA methods and NELAC requirements

Troubleshooting both instrument and analysis problems

01/2003-12/2004 Wetlands Research Laboratory-University of West Florida

**Chemist**

**Contact:** Dr. Richard Snyder 850-474-2806

Trace metals and nutrient analysis (phosphates, nitrates, nitrites, etc.) on environmental samples

Followed EPA methods and NELAC requirements

Troubleshooting both instrument and analysis problems

Extensive Quality Control testing and record keeping

Practical lab procedures i.e. preparing reagents, standards

Data analysis and reduction, calculations and generating reports

Instrumentation included flame and furnace AA spectrophotometers, Ion Chromatography, Segmented-flow Autoanalyzer (AA3), and various meters.

01/2002-08/2002 Pegasus Laboratories, Inc.

**Analytical Chemist**

**Contact:** Tim Talbot 850-478-2770

Tested pharmaceutical/dietary supplement products as part of Quality Control

Tested raw materials prior to their use.

Instrumental analysis included HPLC, FT-IR, and UV-vis.

Various wet-chemistry assays and titrations

Preparing reagents and standards

Followed USP/NF methods, and extensive Quality Control procedures

Data analysis and generating certificates of analysis

01/2000-08/2001 BDI Environmental Sciences, Inc.

**Environmental Technician**

**Supervisor:** Pat Imhof 850-434-1935

Assisted BDI on numerous projects including:

wetland delineations

ecological restorations

environmental resource permitting

listed species studies

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AFOQT Scores: Pilot (65), Nav (67), AA (81), Verbal (87), Quantitative (64)

GRE Scores: Verbal (510), Quantitative (690), total (1200)

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Clubs/Organizations: United States Coast Guard Auxiliary, District 8 Flotilla 01-07, Coast  
Guard Station Pensacola  
Florida Society of Environmental Analysts, member  
Knights of Columbus, 3<sup>rd</sup> degree knight, Council Number 13389  
Gulf Coast City-Wide Pro-life committee, Vice Chairperson