

MAERC WATER QUALITY PROGRAMS STATUS REPORT

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June 14, 1999

<http://www.agen.ufl.edu/~maerc>

CURRENT PROGRESS

<http://www.agen.ufl.edu/~maerc/stocking/maintenance/tasks.html>

Water quality program efforts are currently focused on the following tasks:

- 1) Calculation of nutrient loads from pasture plots
- 2) Adjustment of flow data sets
- 3) Development of the water quality database
- 4) Modification of datalogger control programs
- 5) Modifications to the water quality sampling procedures
- 6) Creation of a prototype Internet-based field notes submission systems
- 7) Improvement of the Java data view program
- 8) Development of web-based tasks management system
- 9) Verification of flume instrumentation
- 10) Rancher outreach and extension programs (Fanning)
- 11) Soils and nutrient relations programs (Graetz)
- 12) Long-term data management (Portier)

1999-2000 PROPOSED ACTIVITIES

<http://www.agen.ufl.edu/~maerc/stocking/index.html>

- 1) DEP 319 Project
 - a) Continuation and completion of current activities for DEP 319 project (Oct. 1999)
 - i) Flume & water quality data collection
 - ii) Data processing
 - iii) Extension components
 - iv) Publication component
 - v) Reports component
 - b) Addition of cattle operations database utilities
 - c) Processing of weather data sets
- 2) Original land use monitoring sites
 - a) Restoration of flow and water quality monitoring
 - b) Refinement of land use monitoring site data

FUTURE PROPOSALS

- 1) DEP 319 Project (due July, 1999)
 - a) Continuation of nutrient load monitoring
 - b) Addition of ground water component
 - c) Addition of telemetry
- 2) Original land use monitoring sites
 - a) Maintenance of equipment
 - b) Monitoring and data processing
 - c) Addition of ground water component
 - d) Addition of telemetry