

TEACHER PD AT GCRL
Watershed Explorations I – Meaningful Watershed Educational Experiences
ITINERARY

Friday, November 15, 8:00 a.m. – 4:00 p.m.

Field Studies Building Room 102 and outside

7:45 am	Registration and refreshments * CEU paperwork	
8:00 am	Pretest *	
8:15 am	Activity: Sense of Place Lecture: Watersheds (Definition; Scales; Connecting inland and coast); What constitutes a Meaningful Watershed Educational Experience (MWEE)?	
10:00 am	Break *	
10:15 am	Lecture: Introduction to GPS and Maps Activity: GPS Scavenger Hunt Activity: Locate Yourself! Map Your Watershed	Outside Outside
12:00 pm	Lunch in GCRL cafeteria *	
12:45 pm	Lecture: Natural and Anthropogenic Watershed Impacts	
2:00 pm	Activity: Change Detection Analysis of Pascagoula River	
3:30 pm	Discussion: The full MWEE: Connecting classroom activities to field activities	
4:00 pm	Adjourn for the day *	

Saturday, November 6, 8:15 a.m. – 4:00 p.m.

GCRL Parking Lot, Pascagoula River Field Trip, GCRL Computer Lab

8:00 am	Meet, drive to Mary Walker Bayou, Gautier, board pontoon boat *	
8:30 am	Educational cruise along salinity gradient of Pascagoula River Outdoor MWEE activities (Map and GPS use; Water sample collection and analysis; Bottom sediment sample collection; Site description: landscape) Discussion of human modifications and natural phenomena along the way	
12:00 pm	Picnic lunch at dock *	
12:30 pm	Drive to GCRL *	
1:00 pm	Applying the MWEE to your watershed Activity: Locate Yourself at home and school! (Surf Your Watershed: http://www.epa.gov/owow/surf/ ; GoogleEarth; Find map: http://store.usgs.gov)	Computer Lab – Caylor 103
3:45 pm	Posttest *	

4:00 pm

Adjourn *

*** Activities outside of instructional time**

This program provides location-specific information to address the following content areas.

MASGC Focus Areas

Healthy Coastal Ecosystems <http://www.masgc.org/page.asp?id=195>

Ocean Literacy

1: The Earth has one big ocean with many features (d,f,g,h)

<http://oceanliteracy.wp2.coexploration.org/ocean-literacy-framework/essential-principle-1-the-earth-has-one-big-ocean-with-many-features/>

2: The ocean and life in the ocean shape the features of earth (b,c,e)

<http://oceanliteracy.wp2.coexploration.org/ocean-literacy-framework/principle-2-v2/>

6: The ocean and humans are inextricably interconnected. (a-g)

<http://oceanliteracy.wp2.coexploration.org/ocean-literacy-framework/principle-6-v2/>

FOR MORE INFORMATION PLEASE CONTACT:

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