

Friday, June 13, 2008
Moderator: Hugh Hammer

8:30 - 9:00	Coffee and Pastries	
9:00 - 10:15	Teacher Lesson Plan Presentations	Teachers
10:15 - 10:30	BREAK	
10:30 - 12:00	Down on the Salmon Farm	David Cline
12:00 - 12:15	Teacher Post -Test	David Cline
12:15 - 1:00	Lunch	Hugh Hammer
12:15 - 1:00	Awards Ceremony	
1:00	Adjournment	



Workshop Presenters

Hugh Hammer
Aquatic Biology Instructor
Gadsden State Community College
Gadsden, AL

Claude Reeves
Extension Aquaculturist
Alabama Cooperative Extension System
Headland, AL

Bill Hemstreet
Fish Health Specialist
Alabama Fish Farming Center

Tim Grooms
Product Manager
YSI

Timothy Adams
Aquaculture Technician
Gadsden State Community College

David Cline
Extension Aquaculturist
Alabama Cooperative Extension System
Auburn, AL

P. J. Waters
Extension Aqua-culturist
AUMERC
Mobile, AL

Greg Whitis
Extension Aquaculturist
Alabama Fish Farming Center

Terry Youngblood
Agriscience Teacher
Meek High School
Arley, AL

Cory Guthrie
Aquaculture Technician II
Gadsden State Community College

Growing Fish in Recirculating Systems K12 Teacher Workshop

June 9-13, 2008



Sponsored By:



Monday, June 9, 2008
Moderator: Hugh Hammer



8:30 - 9:00	Coffee and Pastries	
9:00 - 9:10	Welcome and Introduction of Participants	Hugh Hammer
9:10 - 9:30	Teacher Pre-test	David Cline
9:30 - 10:00	Aquaculture in the World, US, and Alabama	Hugh Hammer
10:00 - 10:15	BREAK	
10:15 - 11:00	Recirculating Systems Components and Functions	David Cline
11:00 - 12:00	Sizing the Biofilter	Claude Reeves
12:00 - 1:00	LUNCH GSCC CAFETERIA	
1:00 - 1:15	Teacher Lesson Plan Introduction	David Cline
1:15 - 1:45	Teacher Brainstorm Session on System Design	David Cline
1:45 - 2:30	Building Recirculating Systems from Scratch	Hugh Hammer
2:30 - 2:45	BREAK	
2:45 - 4:00	System Assembly	Team Leaders
4:00	Optional GSCC AEDC Facility Tour	Hugh Hammer

Tuesday, June 10, 2008
Moderator: David Cline

8:30 - 9:00	Coffee and Pastries	
9:00 - 10:30	Introduction to Water Quality	David Cline
10:30 - 10:45	BREAK	
10:45 - 12:00	Intro and Water Quality Hands On	David Cline
12:00 - 1:00	LUNCH GSCC CAFETERIA	
1:00 - 2:00	Methods of Determining Water Chemistry	Tim Grooms
2:30 - 3:00	Interpretation of Water Quality Data	David Cline
3:00 - 3:15	Break	
3:15 - 4:00	System Assembly	Team Leaders
4:00 - 4:30	Catfish Egg Hunt	Wet Time

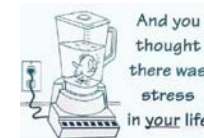


There's a biological war going on in your water !!

Wednesday, June 11, 2008
Moderator: PJ Waters



8:30 - 9:00	Coffee and Pastries	
9:00 - 10:00	K12 Aquaculture Programs in AL	PJ Waters
10:00 - 11:00	Graduate Exams and AL Course of Study	Hugh Hammer
11:00 - 11:15	BREAK	
11:15 - 12:00	Teachers Lesson Plan Design	David Cline
12:00 - 1:00	LUNCH GSCC CAFETERIA	
1:00 - 2:00	Introduction to Aquaponics	Greg Whitis
2:00 - 2:30	Introduction to Hydroponics Component	Hugh Hammer
2:30 - 2:45	BREAK	
2:45 - 4:00	Addition of Hydroponics Component	Hugh Hammer



Thursday, June 12, 2008
Moderator: Claude Reeves

8:30 - 9:00	Coffee and Pastries	
9:00 - 10:00	Fish Health, Stress, and Disease	Bill Hemstreet
10:00 - 10:15	BREAK	
10:15 - 12:00	Catfish and Tilapia Dissection	Bill Hemstreet
12:00 - 1:00	LUNCH GSCC CAFETERIA	
1:00 - 3:00	Introduction to Hydroponics	Terry Youngblood
3:00 - 3:15	BREAK	
3:15 - 4:00	Aquatec System: A Teacher Developed Mentoring Tool	Stan Arington Jayson England

