Growing Fish in Recirculating Systems
K12 Teacher Workshop

June 5 - 9, 2006

Monday, June 5, 2006
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 6, 2006
Moderator: David Cline

8:30 - 9:00 Coffee and Pastries
9:00 - 10:30 Introduction to Water Quality
10:30 - 10:45 BREAK
10:45 - 12:00 Water Quality Hands On
12:00 - 1:00 LUNCH GSCC CAFETERIA
1:00 - 2:00 Pond Water Quality Hands On
2:00-2:30 Pond Interpretation
2:30 - 2:45 BREAK
2:45 - 4:00 System Assembly Continued

Wednesday, June 7, 2006
Moderator: PJ Waters

8:30 - 9:00 Coffee and Pastries
9:00 - 10:00 K12 Aquaculture Programs in AL
10:00 - 11:00 Fish Biology and the AL Course of Study
11:00 - 11:15 BREAK
11:15 - 12:00 Teachers Lesson Plan Design
12:00 - 1:00 LUNCH GSCC CAFETERIA
1:00 - 1:30 Teacher Brainstorm Session on Hydroponics
1:30 - 2:30 Addition of Hydroponics component to Teacher System
2:30 - 2:45 BREAK
2:45 - 4:00 Claude’s Seining Lesson

Thursday, June 8, 2006
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 - 2:30  Introduction to Hydroponics/Aquaponics  Terry Youngblood
2:30 - 2:45  BREAK
2:45 - 4:00  Hydroponics Demonstrations Outside  Terry Youngblood

Friday, June 9, 2006
Moderator:  David Cline

8:30 - 9:00  Coffee and Pastries
9:00 - 9:45  Reproduction in Tilapia  PJ Waters
9:45-10:45  Teacher Lesson Plan Presentations  Teachers
10:45 - 11:00  BREAK
11:00 - 11:30  Teacher Post –Test  David Cline
11:30 - 12:00  Workshop Evaluations  Hugh Hammer
12:00 - 12:15  Awards Ceremony
12:15 - 3:00  Fish Fry Celebration and Adjournment