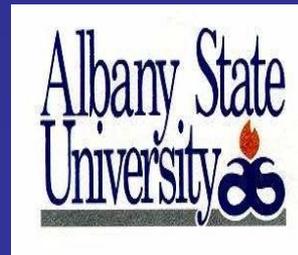


Ag Water Management via the Web: The Georgia Farmer Portal[©]

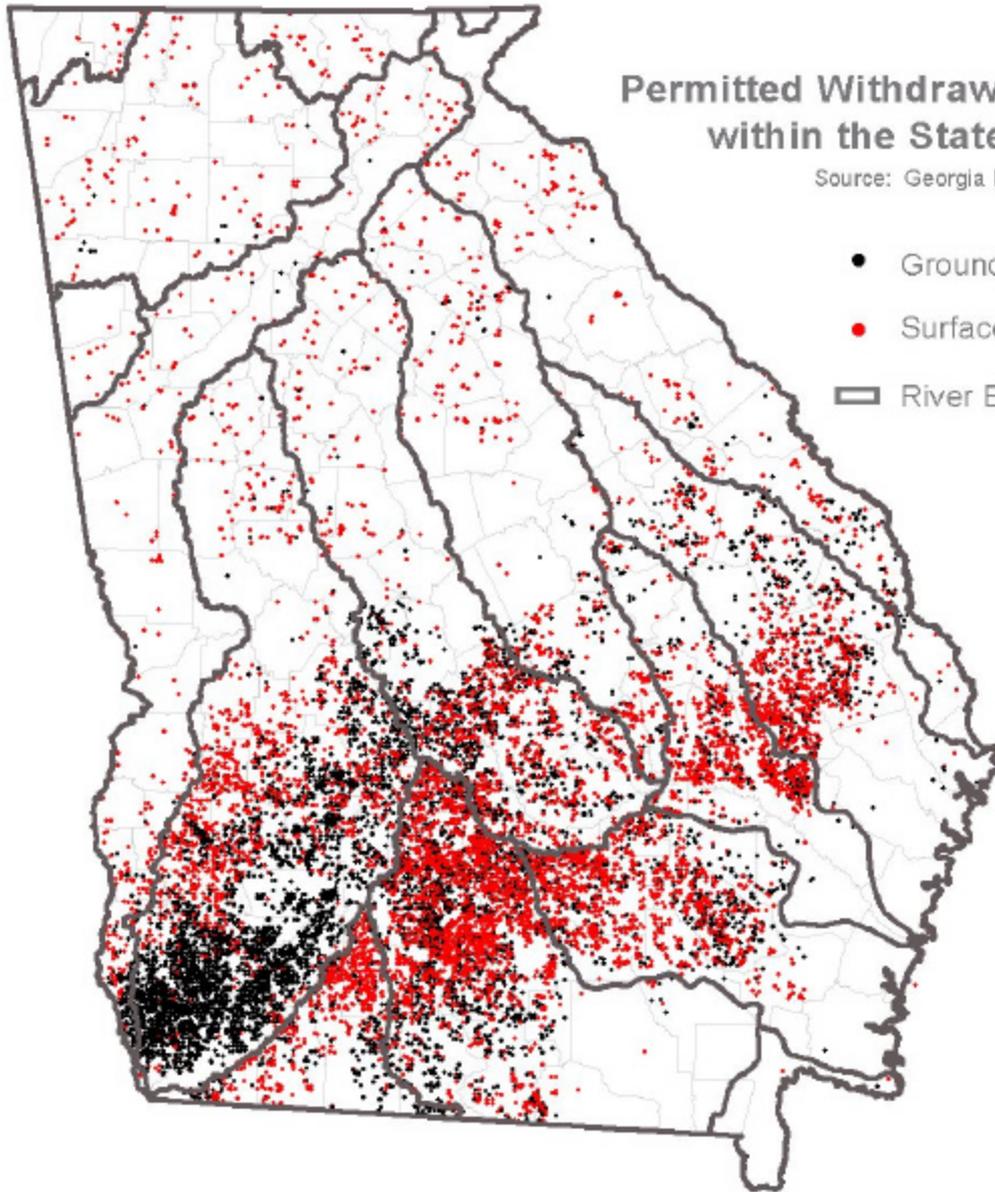
*USDA-CSREES National Water Conference
Savannah, GA
January 30, 2007*

Mark H. Masters
ASU – FRWPPC



Rationale

- High concentration of irrigated agriculture production in southwest Georgia



Permitted Withdrawals for Irrigation within the State of Georgia

Source: Georgia DNR EPD

- Groundwater Sources
- Surface Water Sources
- ▭ River Basins

Georgia
Agricultural
Water
Permits

Rationale

- High concentration of irrigated agriculture production in southwest Georgia
- Drought conditions increased concerns about water quality and quantity from many fronts
 - Ecological
 - Municipal
 - “Water Wars”

Can Yoda save latest 'Star Wars'? / F1



Bulldogs, Gators take the party

TV judge gets giddy over fashion / F1

Half

© 2002, The Atlanta Journal-Constitution

Sunny, 77-88°, D16

SIDE TODAY

N. tightens sanctions against Iraq

U.N. Security Council approves an...
Federal water experts...
Alabama is taking all...
that Lake Lanier...

Atlanta Braves league honors hot Castilla

Rockie's third baseman named player of week. Page 1B

Metro tightens sanctions against Iraq

By CHARLES SEABROOK
cseabrook@ajc.com

Federal water experts...
Alabama is taking all...
that Lake Lanier...



Leaders tout trade summit

'Tremendous enthusiasm' builds for conference of 34 Western nations in Denver in June. Page 37A

Hyde Park jewelers strike plea deal. Page 38

DENVER

Rocky Mountain News

TUESDAY

35¢ (50¢ in Designated Areas)

Food danger piling up



Water lawsuit socks farmers

Supreme Court rules against

reach fingers

Pee Dee River, other waterways in danger as N.C. mulls holding water

By CHUCK COLUMBO

The Great Pee Dee River isn't the only stream in South Carolina in danger of drying up.

A state hydrologist said Friday some streams already have reached 50-year lows as a severe drought enters its fifth year.

The revelation follows reports earlier this week that the Pee Dee could be reduced to a trickle if North Carolina officials are allowed to hold more water in upstream artificial lakes.

North Carolina also is in the grips of the drought. Water supplies are so tight that as Friday, N.C. Gov. Mike Easley said the

use 25 percent a plan that read into bathrooms.

A newly landscaped median in Albuquerque, N.M., uses plants that don't require a lot of water.



PULL BEARCE / Albuquerque Journal



CHECK OUT THESE DOLLS

Local firefighters inspire new line of action figures

METRO, C1

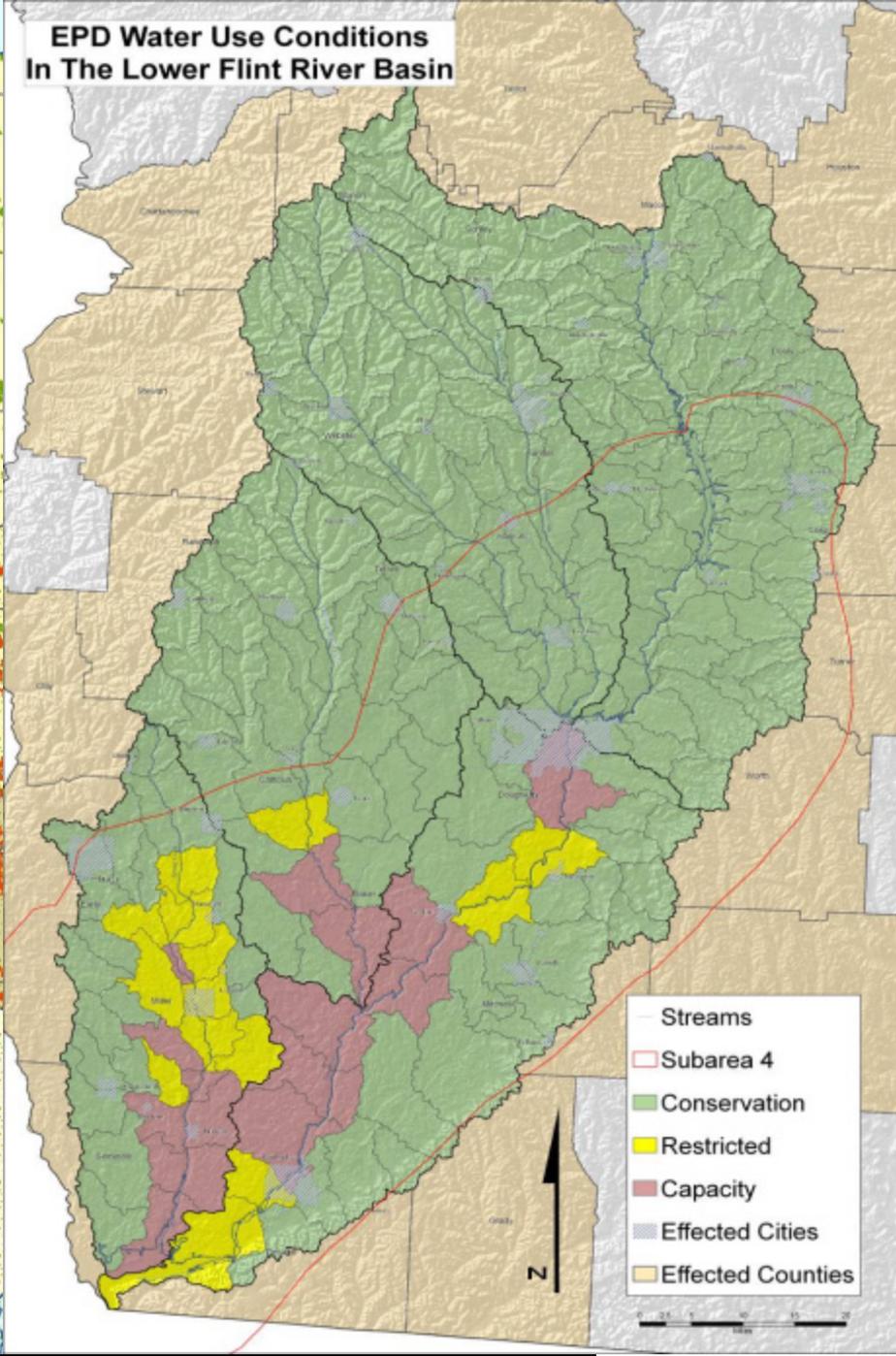
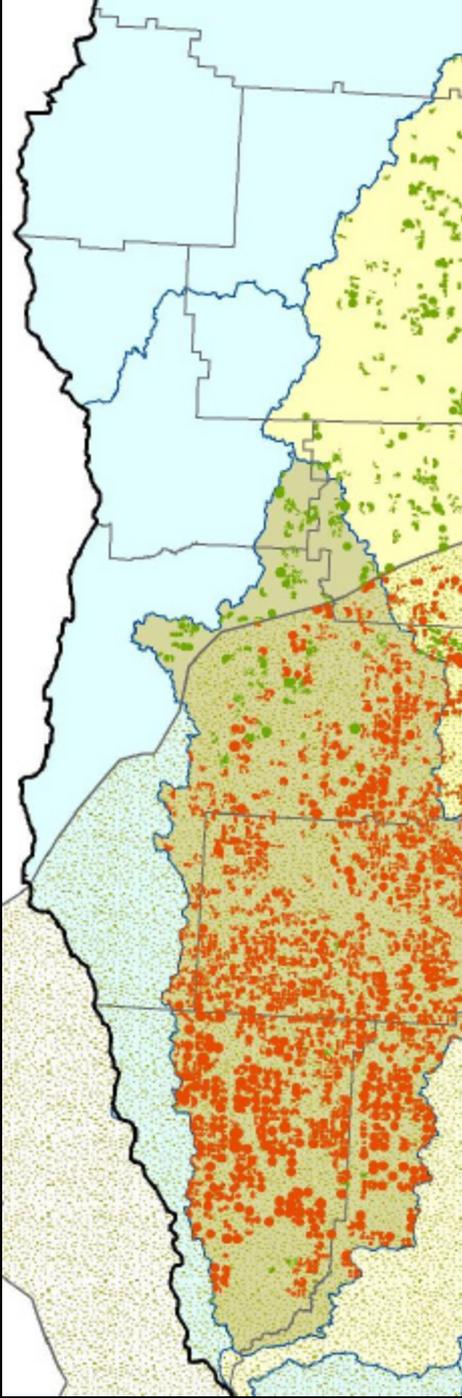
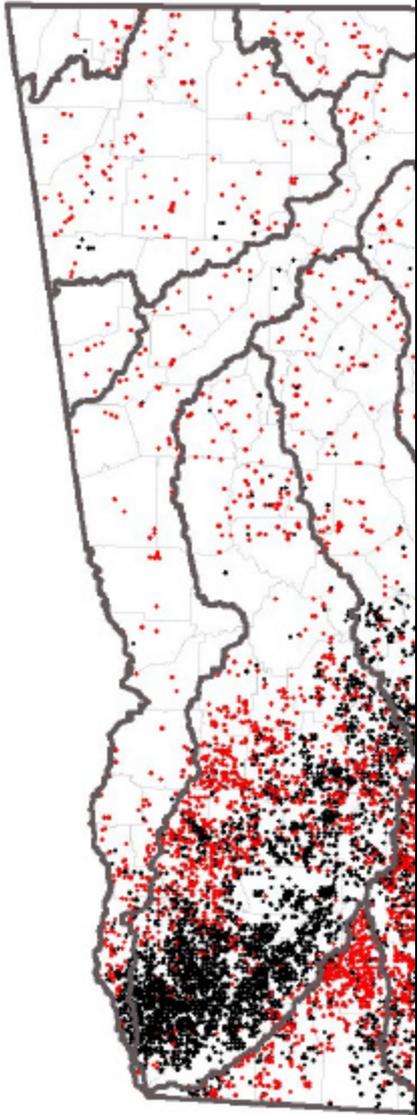
Tough times at summer

BUS

METRO *****

Ebbing supply change life in Georgia

EPD Water Use Conditions In The Lower Flint River Basin



Rationale

- High concentration of irrigated agriculture production in southwest Georgia
- Drought conditions increased concerns about water quality and quantity from many fronts
 - Ecological
 - Municipal
 - “Water Wars”
- **Legislation**
 - HB 237
 - HB 579

HB 237

Statewide Water Plan

“Georgia manages water resources in a sustainable manner to support the state’s economy, to protect public health and natural systems, and to enhance the quality of life for all citizens.”

Policy statement from the Comprehensive Statewide Water Management Planning Act signed by Governor Sonny Perdue on May 13, 2004.

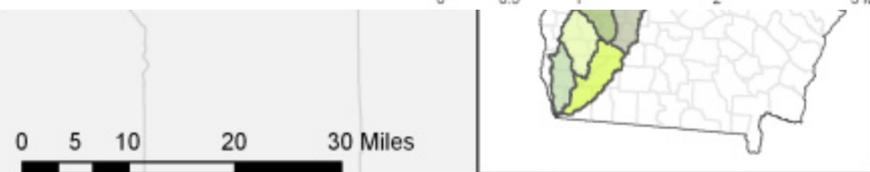
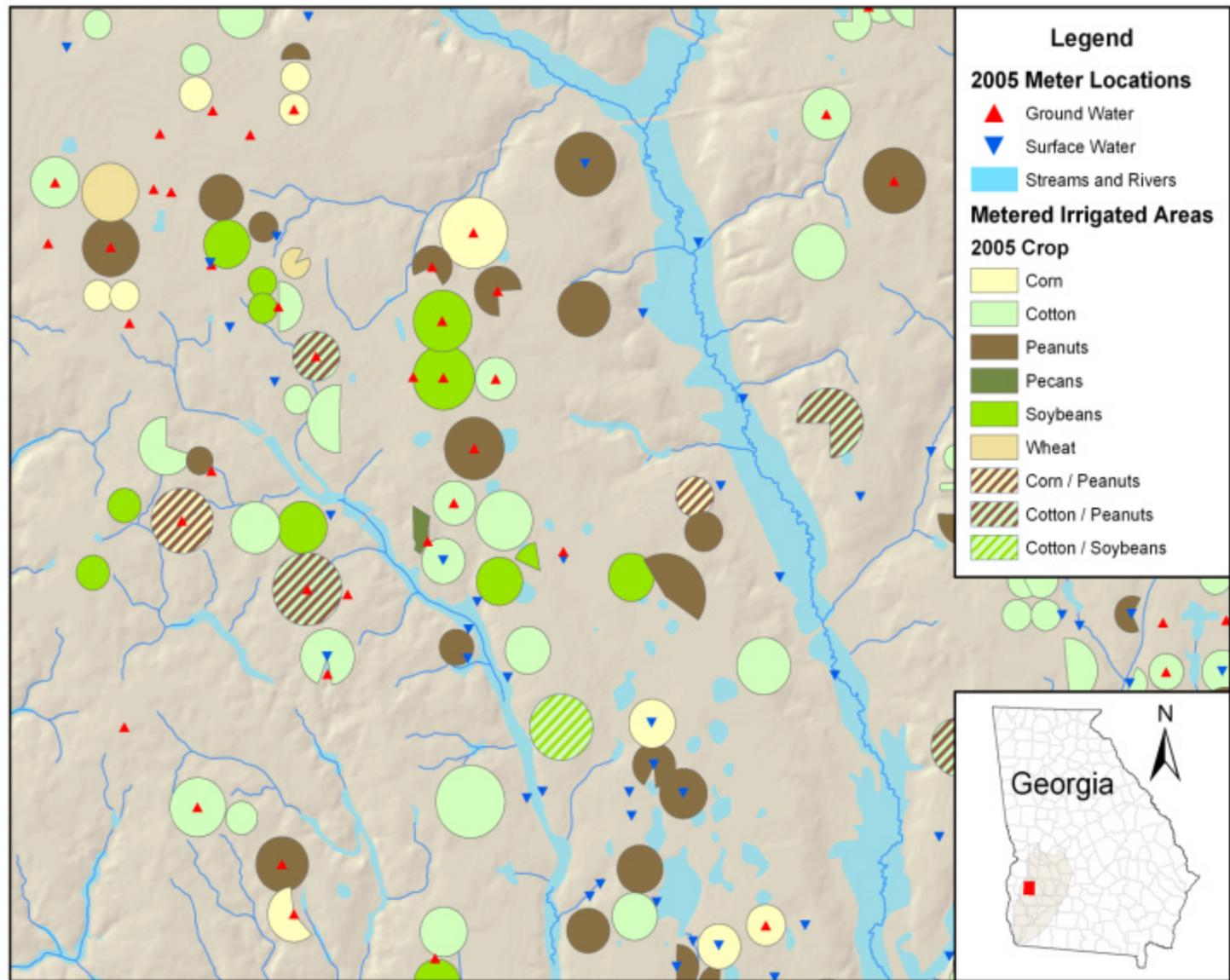
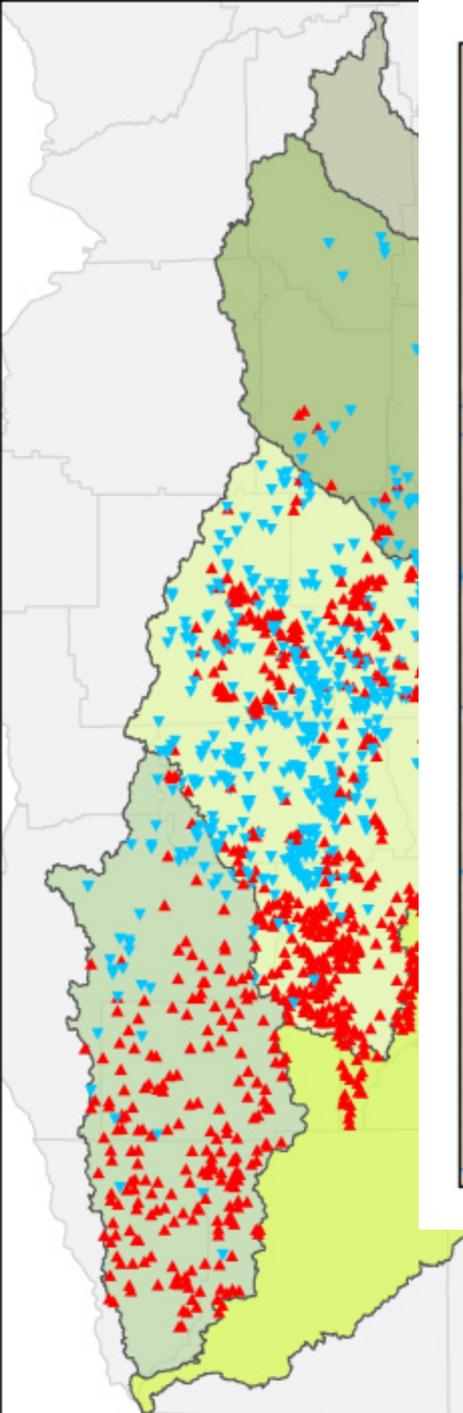
HB 579

Agricultural Metering

- Over 21,000 permits to be metered statewide
 - Estimated \$30 million investment by the state
 - Will near 28-30,000 actual meter locations due to multiple fields on same permit
 - All meters required to be read annually yielding an aggregate amount of water used

Structure

- Free, secure, web-based interface
- Incorporates latest available aerial imagery with multiple GIS data layers
- May be pre-loaded with existing data so long as a unique identifier is established
- Designed with dial-up users in mind
- Built for moderate traffic volume with capabilities of handling 30,000+ “field” entries over multiple years





Farmer Portal

Login Information

Please enter your User ID and password to access the Farmer Portal.

User ID:

Password:

Login

[Create a new user account](#)

[Forgot User ID or password?](#)

1995 in what has become known as the tri-state water wars, a dispute with neighboring Alabama and Florida over how to manage the Alabama-Coosa-Tallapoosa and the Apalachicola-Chattahoochee-Flint river basins.

Georgia Gov. Sonny Perdue and Alabama Gov. Bob Riley said Monday that they had decided to work out a compromise separately for the Alabama-Coosa-Tallapoosa basin, but would continue to work with Florida on the Apalachicola-Chattahoochee-Flint basin.



Quotes

Corn - CBT		
	Last	Chg
Dec	2484	6
Mar	2620	4
May	2694	6

Soybeans - CBT		
	Last	Chg
Nov	5510	-20
Jan	5636	-20
Mar	5754	-14

Wheat - CBT		
	Last	Chg
Dec	4076	122
Mar	4256	126

Ethanol - e-CBOT - CME		
	Last	Chg
Oct	2.07	0.00
Nov	2.18	0.00
Dec	2.22	0.00

Cotton - #2 - NYBOT		
	Last	Chg
Oct	5015	-96
Dec	5225	-123
Mar	5585	-145

All quotes are delayed snapshots. Click here for info on Exchange delays

Ag Business Directory

The DTN **Ag Business Directory** specializes in listing and locating agriculturally-related businesses, helping connect you with companies, products, services, and information specific to your needs.

Start Searching the Agriculture Internet

Get Your Site Listed Today!

Georgia Farmer Portal Bulletin

DTN Top Stories

Wheat futures jumped higher in early trade, with Chicago up 11 1/2 cents. Corn and soybean futures were steady to firm. See DTN: Newsom's Quick Takes.

Cattle futures were lower and lean hogs were mostly higher in early trade. Cash hog prices are generally steady to \$50 lower. Asking prices for cattle are around \$91 to \$92, with trade not expected before Thursday or later. See DTN Before the Bell Livestock Comments.

The U.S. and South Korea begin talks today aimed at setting a bone fragment tolerance level for U.S. shipments of beef. See DTN Ag News.

Australia's 2006/2007 wheat crop is expected to be 35 percent smaller than the previous year due to a serious lack of moisture. See DTN Ag News.

Trade officials from 18 ag nations

- the Cairns Group
- meet in Australia this week for their 20th anniversary meeting and talks are expected to center around jump-starting stalled WTO talks. See DTN Ag News.

My Market Watch

Click Here to **Customize**

Commodities

Corn (Dec 06)	2484	6	10:22A	CBT
Soybeans (Nov 06)	5510	-20	10:20A	CBT
Wheat (Dec 06)	4076	122	10:22A	CBT
Oats (Dec 06)	2032	20	10:21A	CBT

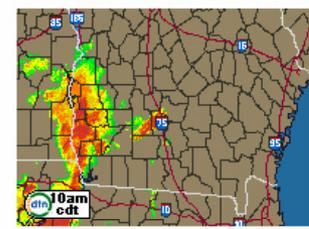
Stocks

MICROSOFT CORP	26.85	0.06	10:28A	NASDAQ
WAL MART STORES	48.29	0.19	10:32A	NYSE
YAHOO! INC				NASDAQ

Local Radar

Albany, GA

Chg Zip Code: **GO**



[View complete Local Weather](#)

Local Conditions

Albany, GA

Chg Zip Code: **GO**

Temp: **81°F** Feels Like: **87°F**
 Humid: **79%** Dew Pt: **74°F**
 Barom: **29.93** Wind Dir: **W**
 Cond: **Partly Cloudy** Wind Spd: **7 mph**
 Sunrise: **7:23** Sunset: **7:37**
 As reported at ALBANY, GA at 11:00 AM

[View complete Local Weather](#)

Local Forecast

Albany, GA

Change Zip: **GO**

Tuesday	Wednesday	Thursday
Hi: 83°F	Hi: 81°F	Hi: 84°F
Lo: 73°F	Lo: 59°F	Lo: 53°F

[View complete Local Weather](#)

☰ New User Registration

Follow these easy steps to create a User ID and save your irrigation report.

STEP 1. Create Your User ID

We recommend using something unique and easy to remember, like your e-mail address.

User ID:

STEP 2. Create Your Password

Make sure to use a password that you will remember! Must be between 6 and 12 characters.

Password:

Re-Enter Password:

STEP 3. Personal Information

If you forget your User ID or password, we will use this information to send you the account details.

Email Address:

First Name:

Last Name:

Company Name:

Address 1:

Address 2:

City:

State:

Zip Code:

Telephone:

Field 1

Field 2

Add Fields



General Field Information:

Field Alias:	<input type="text"/>
Irrigation Acres:	60
Soil Texture:	Loamy Sand
County:	Calhoun
Basin:	Ichawaynochaway
Source:	SURFACE
Withdraw Type:	STREAM
Source Flow:	PERENNIAL

Legend: ▲ Meters ▲ Selected Meter ○ Claimed Fields ○ Selected Field ○ Unclaimed Fields

Hardware

Irrigation

Rainfall

Crops

Hardware Information:

Pump Type:

System install date?

Is the system towable?

Yes No

Did you tow the system this season?

Yes No

Hardware Type:

End Gun

End Gun Throw (feet)

Applied Conservation Measures:(check all that apply)

End Gun Shut Off Low Pressure Drop Variable Rate Other (Please Specify Below)

Hardware

Irrigation

Rainfall

Crops

Crop Data:

To enter detailed cropping information for this field, fill in the spaces to the left. You may enter Harvest Date and Yield at a later time. If a field has more than one crop, enter the information for the first crop and select the Add button. Repeat for any additional crops.

Crop Type:

Crop Year:

Irrigated Area: (Acres)

Plant Date:



Harvest Date:



Seed Type:

DPL 455 BG/RR

Tillage:

Yield:

Did you irrigate this crop?

Yes No

Add

Crop Type: COTTON

Water Use

Edit

Remove

Plant Date: 5/26/2006

Acres Planted: 60

Harvest Date:

Crop Irrigated: Yes

Seed Type: DPL 555 BG/RR

Irrigation: (Inches) 3.25

Tillage: Conventional

Rainfall: (Inches) 3.1

Yield: 0

Report Options

Please Select a Region:

State Wide Basin County

Ichawaynochaway

Please Select a Crop:

Cotton

Please Select a Year:

2006

Please Select a Report Type:

Water Use

Show Report

REPORT: WATERUSE (COTTON - 2006)

MY FIELDS: COTTON

BASIN ICHAWAYNOCHAWAY: COTTON

Acres	Average Yield	Average Rainfall (Inches)	Average Irrigation (Inches)	Total Irrigation (Acre-Inches)	Acres	Average Yield	Average Rainfall (Inches)	Average Irrigation (Inches)	Total Irrigation (Acre-Inches)
620	940	3.2	11.8	7316	60180	887	4.1	12.5	752250

Printer Friendly Report

So why the Portal©?

- New web-based system will provide significant added-value to the meter data
 - Provide a farm-level management tool
 - Capture the data behind the use (what, why, how)
 - Link use to farm-level, regional and state economies
 - Detailed background for “reasonable use”
 - Clearinghouse for info on conservation research, programs and ag water news
 - Can be easily adapted or incorporated
 - Because Georgia needs MORE information for meaningful water planning, not LESS



Mark H. Masters
ASU Flint River Water Policy Center
mmasters@h2opolicycenter.org
229-430-2900 x36