

Update on Southeast Water Climate



Pam Knox
University of Georgia

Completed Activities

- Keith Ingram (UFL) purchased domain name SE-Water-Climate.org on behalf of SECC
- Surveyed 17 additional stakeholders to gain additional insight into web needs
- Updated website to include current news, climate and water outlooks, and additional links to requested information



Southeast Water Climate

A Service of the Southeast Climate Consortium

Current Climate Phase: Neutral
Neutral conditions have replaced a weak La Niña.

- Home
- Climate Tools
- Forecasts and Outlooks
- Drought
- Evaporation
- Lakes
- Rivers
- Floods
- Climate and El Niño
- Climate Change
- Links
- About

Sponsors



News

- March rain relieves Georgia drought (March 30, 2009) »
- NOAA Unveils New Alert System for La Niña and El Niño »
- Southeast drought situation improves »
- La Niña is affecting Lake Okeechobee levels »
- NOAA Unveils New Alert System for La Niña and El Niño»
- Southeast drought situation improves »
- AgroClimate is now providing monthly climate summaries for the States of Florida, Georgia and North Carolina »**
- More News »

Outlooks

- Water Resources Outlook (February 13, 2009)** La Niña Returns to the Eastern Pacific
- Agricultural Outlook (February 8, 2009)** La Niña Impacts on Agriculture in the Southeast
- SECC Winter Climate Outlook (January 11, 2009)** La Niña returns suddenly to the Pacific Ocean, winter forecast is now for warm and dry conditions...
- Climate Phase Forecast (January 11, 2009)** La Niña conditions have abruptly returned to the Pacific Ocean...
- [Outlook Archive »](#)

SECC CONSORTIUM MEMBERS

State Weather Networks



Current Hydrologic Vulnerability Statement (NWS)

Other Data Sources

Southeast River Forecast Center



Southeast Climate Center



CoCoRaHS Network



Advanced Hydrologic Prediction Center



Differences from AgroClimate

Southwest Water Climate - A service of the Southeast Climate Consortium - SE Water Climate prov - Windows Internet Explorer

http://sewater.engr.uga.edu/

File Edit View Favorites Tools Help

RoboForm Search Logins Uga (+1) Pam Knox Save Generate

Join Our Mailing List Contact

Google Custom Search County Maps: AL FL GA

Southwest Water Climate
A Service of the Southeast Climate Consortium

Current Climate Phase: **Neutral**
Neutral conditions have replaced a weak La Niña.

News

March rain relieves Georgia drought (March 30, 2009) >
NOAA Unveils New Alert System for La Niña and El Niño >
Southeast drought situation improves >
La Niña is affecting Lake Okeechobee levels >
NOAA Unveils New Alert System for La Niña and El Niño >
Southeast drought situation improves >
AgroClimate is now providing monthly climate summaries for the States of Florida, Georgia and North Carolina >
More News >

Outlooks

Water Resources Outlook (February 13, 2009) La Niña Returns to the Eastern Pacific
Agricultural Outlook (February 8, 2009) La Niña Impacts on Agriculture in the Southeast
SECC Winter Climate Outlook (January 11, 2009) La Niña returns suddenly to the Pacific Ocean, winter forecast is now for warm and dry conditions...
Climate Phase Forecast (January 11, 2009) La Niña conditions have abruptly returned to the Pacific Ocean...
Outlook Archive >

State Weather Networks

GAEMN FAWN

Current Hydrologic Vulnerability Statement (NWS)

Other Data Sources

Southeast River Forecast Center
Southeast Climate Center
CoCoRaHS Network
Advanced Hydrologic Prediction Center

Climate Phase Forecast for May-Jun-Jul

Neutral (70%)
La Niña (20%)
El Niño (10%)

Source: The International Research Institute for Climate and Society

Sponsors

NOAA
CSREES
USDA

SECC CONSORTIUM MEMBERS

Done

start Southeast Water Clim... Windows Media Player Microsoft PowerPoint ... Internet 100% 9:02 AM

No pie chart

Issues include license, ability to keep current, usefulness

Differences from AgroClimate

Southwest Water Climate - A service of the Southeast Climate Consortium - SE Water Climate prov - Windows Internet Explorer

http://sewater.engr.uga.edu/

File Edit View Favorites Tools Help

RoboForm Search Logins Uga (+1) Pam Knox Save Generate

Join Our Mailing List Contact

Google Custom Search County Maps: AL FL GA

Southwest Water Climate

A Service of the Southeast Climate Consortium

Current Climate Phase: **Neutral**
Neutral conditions have replaced a weak La Niña.

News

March rain relieves Georgia drought (March 30, 2009) >
NOAA Unveils New Alert System for La Niña and El Niño >
Southeast drought situation improves >
La Niña is affecting Lake Okeechobee levels >
NOAA Unveils New Alert System for La Niña and El Niño >
Southeast drought situation improves >
AgroClimate is now providing monthly climate summaries for the States of Florida, Georgia and North Carolina >
More News >

Outlooks

Water Resources Outlook (February 13, 2009) La Niña Returns to the Eastern Pacific
Agricultural Outlook (February 8, 2009) La Niña Impacts on Agriculture in the Southeast
SECC Winter Climate Outlook (January 11, 2009) La Niña returns suddenly to the Pacific Ocean, winter forecast is now for warm and dry conditions...
Climate Phase Forecast (January 11, 2009) La Niña conditions have abruptly returned to the Pacific Ocean...
[Outlook Archive >](#)

Other Data Sources

Southeast River Forecast Center
Southeast Climate Center
CoCoRaHS Network
Advanced Hydrologic Prediction Center

Sponsors

NOAA
CSREES
USDA

SECC CONSORTIUM MEMBERS

Done

start Southeast Water Clim... Windows Media Player Microsoft PowerPoint ... Internet 100% 9:02 AM

No photo rotator



We would like to include it, but we need your pictures of water management in action!

Differences from AgroClimate

Static sponsor logos

Evaluators prefer less "active" site, slows down load time

Southwest Water Climate - A service of the Southeast Climate Consortium - SE Water Climate prov - Windows Internet Explorer

http://sewater.engr.uga.edu/

File Edit View Favorites Tools Help

RoboForm Search Logins Uga (+1) Pam Knox Save Generate

Join Our Mailing List Contact

Google Custom Search County Maps: AL FL GA

Southwest Water Climate
A Service of the Southeast Climate Consortium

Current Climate Phase: **Neutral**
Neutral conditions have replaced a weak La Niña.

Home
Climate Tools
Forecasts and Outlooks
Drought
Evaporation
Lakes
Rivers
Floods
Climate and El Niño

News

March rain relieves Georgia drought (March 30, 2009) >
NOAA Unveils New Alert System for La Niña and El Niño >
Southeast drought situation improves >
La Niña is affecting Lake Okeechobee levels >
NOAA Unveils New Alert System for La Niña and El Niño >
Southeast drought situation improves >
AgroClimate is now providing monthly climate summaries for the States of Florida, Georgia and North Carolina >
More News >

Outlooks

Water Resources Outlook (February 13, 2009) La Niña Returns to the Eastern Pacific
Agricultural Outlook (February 8, 2009) La Niña Impacts on Agriculture in the Southeast
SECC Winter Climate Outlook (January 11, 2009) La Niña returns suddenly to the Pacific Ocean, winter forecast is now for warm and dry conditions...
Climate Phase Forecast (January 11, 2009) La Niña conditions have abruptly returned to the Pacific Ocean...
Outlook Archive >

State Weather Networks
GAEMN FAWN

Current Hydrologic Vulnerability Statement (NWS)

Other Data Sources

Southeast River Forecast Center
Southeast Climate Center
CoCoRaHS Network
Advanced Hydrologic Prediction Center

Sponsors
NOAA
CSREES
USDA

SECC CONSORTIUM MEMBERS

Done

start Southeast Water Clim... Windows Media Player Microsoft PowerPoint ... Internet 100% 9:02 AM

Differences from AgroClimate

Southwest Water Climate - A service of the Southeast Climate Consortium - SE Water Climate prov - Windows Internet Explorer

http://sewater.engr.uga.edu/

File Edit View Favorites Tools Help

RoboForm Search Logins Uga (+1) Pam Knox Save Generate

Join Our Mailing List Contact

Google Custom Search County Maps: AL FL GA

Southwest Water Climate
A Service of the Southeast Climate Consortium

Current Climate Phase: **Neutral**
Neutral conditions have replaced a weak La Niña.

Home
Climate Tools
Forecasts and Outlooks
Drought
Evaporation
Lakes
Rivers
Floods
Climate and El Niño
Climate Change
Links
About

News

March rain relieves Georgia drought (March 30, 2009) >
NOAA Unveils New Alert System for La Niña and El Niño >
Southeast drought situation improves >
La Niña is affecting Lake Okeechobee levels >
NOAA Unveils New Alert System for La Niña and El Niño >
Southeast drought situation improves >
AgroClimate is now providing monthly climate summaries for the States of Florida, Georgia and North Carolina >
More News >

Outlooks

Water Resources Outlook (February 13, 2009) La Niña Returns to the Eastern Pacific
Agricultural Outlook (February 8, 2009) La Niña Impacts on Agriculture in the Southeast
SECC Winter Climate Outlook (January 11, 2009) La Niña returns suddenly to the Pacific Ocean, winter forecast is now for warm and dry conditions...
Climate Phase Forecast (January 11, 2009) La Niña conditions have abruptly returned to the Pacific Ocean...
Outlook Archive >

Other Data Sources

Southeast River Forecast Center
Southeast Climate Center
CoCoRaHS Network
Advanced Hydrologic Prediction Center

Sponsors

NOAA
CSREES
USDA

SECC CONSORTIUM MEMBERS

Done

start Southeast Water Clim... Windows Media Player Microsoft PowerPoint ... Internet 100% 9:02 AM

Additional data links

These will pop up in a different window so we don't direct them away from site; can be removed to left menu of links if we add photo rotator, pie chart

Other Considerations

- Statement of purpose
- Climate change statement geared towards water resources

Internet Explorer browser window showing the Southeast Water Climate website. The address bar displays http://sewater.engr.uga.edu/SE-Water/forecasts/Water_Outlook.php. The page title is "Southeast Water Climate - A service of the Southeast Climate Consortium - SE Water Climate prov - Windows Internet Explorer".

The website header includes "Join Our Mailing List Contact", a Google Custom Search bar, and "County Maps: AL FL GA". The main logo is "Southeast Water Climate A Service of the Southeast Climate Consortium". A banner on the right states: "Current Climate Phase: La Niña La Niña conditions have abruptly returned to the Pacific Ocean."

The left sidebar contains a navigation menu with the following items: Home, Climate Tools, Drought, Evaporation, Lakes, Rivers, Floods, Forecasts and Outlooks, Climate and El Niño, Climate Change, Links, and About.

SECC Water Resources Outlook

Date updated: February 13, 2009

La Niña conditions return to the eastern Pacific Expected to last through spring

Current Conditions

Sea surface temperatures along the equator in the eastern and central Pacific Ocean have cooled substantially in the last two months, marking a return to La Niña. La Niña refers to colder than normal waters along the equator in the eastern and central Pacific, and can be thought of as the opposite of El Niño. The Pacific Ocean had been in the Neutral phase since April of 2008, following another La Niña in the fall and winter of 2007/2008. Multi-year La Niña events are not uncommon in the historical record and are known to bring extended drought to parts of the Southeast.>

The rainfall effects of La Niña vary across the region and depend to some extent on the strength of the La Niña signal. In all winters, a La Niña indicates drying across Florida and southern Georgia, but in a weak La Niña, northwest Georgia and northern Alabama can experience enhanced precipitation, while in a moderate or strong La Niña, rainfall across northern Georgia and Alabama is reduced. Currently the La Niña is considered to be a weak event, with no signs of imminent strengthening. Longer term forecasts lean towards neutral conditions in summer and fall.

Streamflows

Streamflows across the region continue to show below normal conditions for most gauges. Some localized flooding was observed in northern Georgia early in January due to the heavy rainfalls associated with a Gulf of Mexico low that traversed the area.

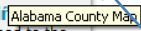
Since then, however, lack of significant rain events has led to streamflows which continue to

Developed in conjunction with Climate and Agricultural Outlooks to mirror AgroClimate web site


[Join Our Mailing List](#) [Contact](#)

Google Custom Search

[County Maps: AL FL GA](#)



Current Climate Phase: La Niña
 La Niña conditions have abruptly returned to the Pacific Ocean.



Southeast Water Climate

A Service of the Southeast Climate Consortium

- Home
- Climate Tools
- Drought
- Evaporation
- Lakes
- Rivers
- Floods
- Forecasts and Outlooks
- Climate and El Niño
- Climate Change
- Links
- About

Pan Evaporation Data for Florida

[NOAA Technical Report NWS 34, Mean Monthly, Seasonal, and Annual Pan Evaporation for the US, R. K. Farnsworth and E. S. Thompson, Dec. 1982](#)

Estimated monthly values for NWS sites (in inches)

Station	J	F	M	A	M	J	J	A	S	O	N	D	Annual
Daytona Beach Airport	3.32	3.88	5.19	6.86	7.53	7.04	7.11	6.71	5.89	5.30	4.04	3.20	66.07
Jacksonville Airport	2.76	3.45	5.50	7.54	8.52	7.73	7.92	7.28	5.94	4.64	3.50	2.89	67.65
Key West Airport	4.46	4.89	7.18	9.09	10.10	9	9.68	8.72	7.37	6.47	5.55	4.74	51
Miami	4.28	4.84	6.59	7.84	7.85	6.96	8.03	7.68	6.00	5.78	4.83	4.27	74.97
Orlando Airport	3.66	4.39	6.00	7.66	8.53	7.75	7.74	7.10	6.23	5.78	4.51	3.80	72.39
Tallahassee Airport	2.50	2.88	5.63	5.94	7.01	6.96	6.36	6.20	5.47	4.87	3.24	2.57	58.57
Tampa	3.40	3.98	5.73	7.57	8.84	8.15	7.74	7.17	6.40	5.74	4.28	3.59	72.60
West Palm Beach Airport	2.50	2.88	5.63	5.94	7.01	6.96	6.36	6.20	5.47	4.87	3.24	2.57	58.57

<http://sewater.engr.uga.edu/SE-Water/images/alabama.gif>

Includes data for AL, FL, GA and NC although NC is not yet included in county maps on top

Website Evaluation

- Internal reviews by Water Resources group
- External initial reviews by small subsample of water managers identified through earlier surveys
- Participated in AgroClimate.org training sessions to identify areas of confusion in AgroClimate layouts for consideration in SE-Water-Climate.org design and to develop training protocols for future SE-Water-Climate training sessions

Additional Needs

- Need to determine final home server so that we can build appropriate climate tool pages with access to AgroClimate database
- Need to allocate IT support to get website up and keep it running
- Need to get additional website evaluation from SECC members and external stakeholders
- Need to continue to develop evaporation and watershed tools

Contact Info

Current development website location:

<http://sewater.engr.uga.edu/>

Contact **Pam Knox** at pknox@uga.edu, 706-542-6067, with photos, comments, additional links to include