

C.M. Stripling Irrigation Research Park

Monthly Newsletter

June 2022



SIRP is 20 years old!



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College of Agricultural &
Environmental Sciences
UNIVERSITY OF GEORGIA

From the Superintendent

Calvin Perry

I sound like a broken record, but, the dry conditions continue here at Stripling Park. During May, the Park's weather station recorded only 2.38 inches of rain over 6 rainy days. Our high temps ranged from 93-79F and our low temps ranged from 73-52F. To further illustrate the dry conditions, since April 19th to today (a 52 day period), we've had only 10 rainy days for 3.79 inches. It's dry! The US Drought Monitor map on the next page shows that SIRP remains right on the edge of the "moderate drought" region of the state.

What does this mean for the Park – well, we've applied nearly 10 inches of irrigation (irrigated following the UGA Extension checkbook method) to plots in Dr. Wes Porter's corn irrigation scheduling study since planted on March 29.

Like most of you, the staff at the Park had so much going on in May. We irrigated some plot nearly every day, spread fertilizer, strip-tilled, flagged and planted soybean plots for Dr. Vellidis, strip-tilled and planted cotton plots for Drs. Kemerait and Sintim and Brian Hayes (Mitchell Co. Extension), strip-tilled and planted peanuts for Drs. Porter, Sintim and Vellidis and Brian Hayes, applied herbicide to corn and cotton plots, applied side-dress nitrogen to corn plots, fertigated corn plots for Dr.

Sintim, did "catch can" uniformity tests on 4 of our center pivots, mowed plot alleys, and repaired a riser supplying water to one of our linear-move systems. Plus many other things too numerous to mention.

Visitors to the Park included Dr. Bob Kemerait and crew, Brian Hayes, the Flint River Soil & Water Conservation District (monthly meeting), Dr. Wes Porter's crew, Dr. George Vellidis' crew, Dr. Henry Sintim's crew, Dr. John Snider with grad student Bailey Lawson and Marty Saylor (Lindsay Irrigation).

Several of us contributed articles for inclusion in the May/June issue of the Southeastern Peanut Farmer magazine Irrigation and Water Management Guidebook. Joy Carter, editor, along with Abby Richardson and intern Maddie Frost dropped by to take photos of center pivots, sprinklers, etc. You can access the magazine at:

https://issuu.com/sepfonline/docs/sep_mayjune2022_web?fr=s0DE0ZTE2NDQxMDc. (Yes, Joy put yours truly on the front cover).

We were pleased to host undergrad students from UGA's Odom School of Ecology. Dr. Amanda Rugenski, Undergraduate Program Coordinator, brought 19 students to south GA as part of their Maymester course "Field Program in Ecological Problem

Solving." Charles Stripling joined us for part of the tour of the Park's work.

If you've dropped by the Park lately, you'll notice that things are in a bit of disarray. Dr. Allen Moore, CAES Assoc Dean for Research, provided funding to do some much needed repairs and updates to the office building at the Park. Allstate Construction and their local subcontractor, Bostick Construction, has started work (mainly painting) with more involved work to come.

It's not surprising that our main building is in need of some repairs, painting, etc. As of May 2022, the C.M. Stripling Irrigation Research Park is now 20 years old! Former Georgia Gov. Roy Barnes dedicated the state-of-the-art Stripling Irrigation Park on May 11, 2002. We have more on our 20th Anniversary later in this newsletter.



Drought Conditions

U.S. Drought Monitor Georgia

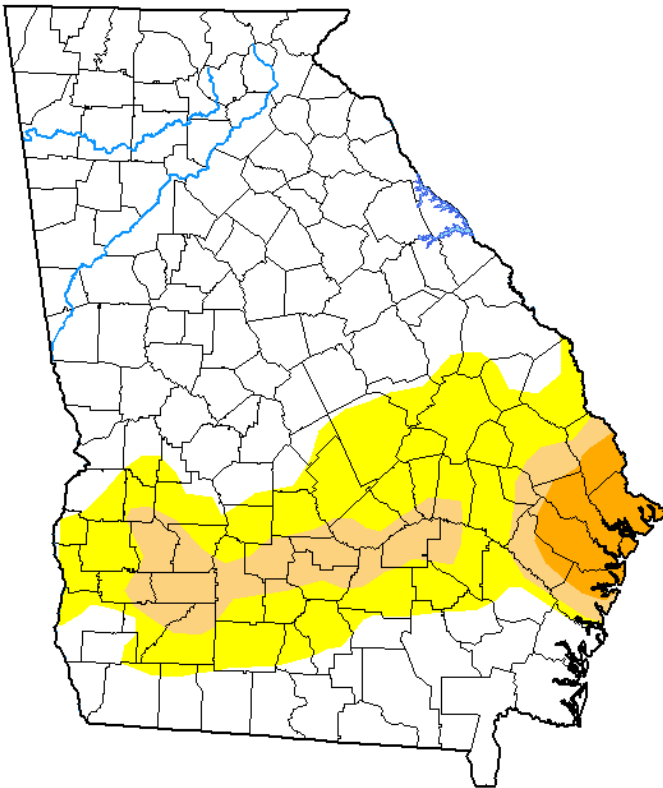
June 7, 2022

(Released Thursday, Jun. 9, 2022)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	67.28	32.72	11.60	3.31	0.00	0.00
Last Week 05-31-2022	67.76	32.24	9.92	3.31	0.00	0.00
3 Months Ago 03-08-2022	35.97	64.03	25.23	0.00	0.00	0.00
Start of Calendar Year 01-04-2022	97.01	2.99	0.00	0.00	0.00	0.00
Start of Water Year 09-28-2021	100.00	0.00	0.00	0.00	0.00	0.00
One Year Ago 06-08-2021	86.41	13.59	0.00	0.00	0.00	0.00



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

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CPC/NOAA



droughtmonitor.unl.edu

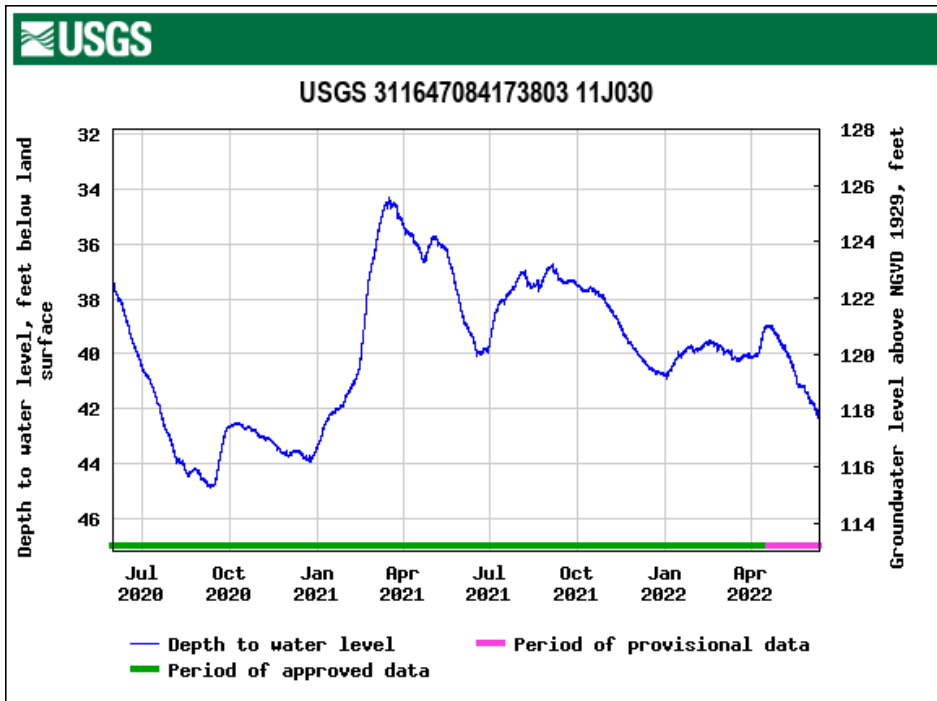
Drought Monitor map for Georgia as of June 7. As of that date, 33% of Georgia was 'abnormally dry' with 12% rated as in 'moderate drought'. Even had a bit of 'severe drought' over around Savannah.

For more info:

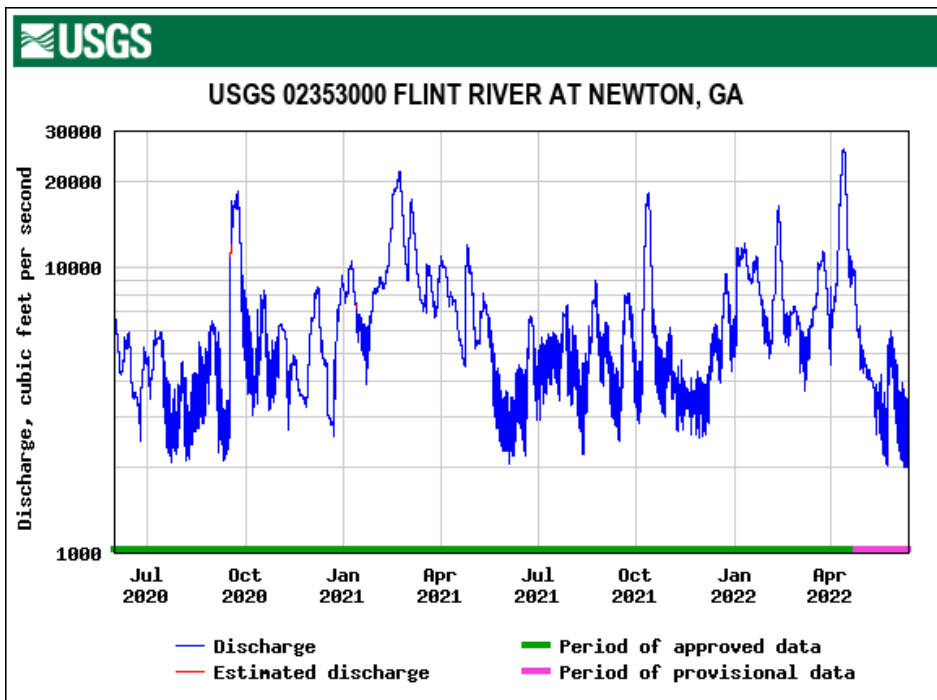
<https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?GA>



Water Resources



Above - USGS data for the past 2 years for a groundwater monitoring well here at SIRP in Floridan aquifer. Below - stream gage on the Flint River at Newton for past 2 years.



Events

Past events

May 10	FRSWCD meeting
May 12	Lower Flint Ocklocknee Water Council mtg. (Albany)

Upcoming events

June 14	FRSWCD mtg. (Mitchell Co. Ag Center)
June 21-23	4H2O Camp
July 12	FRSWCD meeting
July 14	IGEL



In The News

[Georgia: Southern Corn Rust Confirmed](#)

[Georgia Peanuts: Thrips Injury, TSWV, and the Threat of Lesser Cornstalk Borer](#)

[Study finds resistant weed-tillage-emissions link](#)

FarmerJawn [empowers community to know farmers and connect with food](#)

[How glyphosate affects brood care in bumblebees](#)

[Unspoken Truths About Pests: Soybean Aphids](#)

[Satellite IoT is the Key to Success in Precision Agriculture](#)

[Drones and Robotics in Agriculture](#)

[Louisiana Farmer Using Drone Technology to Maximize Nitrogen Efficiency in Row Crops](#)

[Weed Management – 4 Considerations from the Field](#)

[Climate change on course to hit U.S. Corn Belt especially hard, study finds](#)

MyIPM [App Series Expands to Include Row Crops](#)

[Target spot in soybeans](#)

[Peanut variety trials in Alabama important part of decision](#)



Stripling Park's 20th Anniversary

Concept to Reality

The concept of a UGA/CAES research and education center dedicated to research, education and outreach aimed at making every drop count for the farmers of Georgia was championed primarily by three faculty in CAES: Dr. Jim Hook, Dr. Dan Thomas, and Kerry Harrison. Mitchell County's C.M. Stripling agreed to donate 130 acres for UGA to develop the research park.

With funding from the state legislature after efforts led by then state representative Richard Royal, the Park was designed and built in approximately two years. A ground breaking was held in November 2000 and featured the Stripling family, CAES Dean Gale Buchanan, and several local politicians.



Stripling Park's 20th Anniversary

The Park is Built



Stripling Park's 20th Anniversary

Decidatoin May 11 2002

Dedication of the Park

Former Georgia Gov. Roy Barnes along with numerous state and local leaders, dedicated the completed state-of-the-art C.M Stripling Irrigation Park on May 11, 2002.



Stripling Park's 20th Anniversary

Stripling Park Today

The Park continues to fulfill its mission as a state-of-the-art irrigation research and education center to assist farmers in managing irrigation and the general public in understanding the role of water in the economy of the region. The staff has grown from two to five full-time and one part-time employees. The infrastructure now features 5 center pivot systems, 4 linear-move systems, and 2 sets of subsurface drip irrigation. Visitors to the Park has numbered over 1000 in several years and research plots can total 1200+ some years.

Calvin Perry was named Superintendent in July of 2008 following Rad Yager who served in that capacity from 2000 to 2008.



Stripling Park's 20th Anniversary

Stripling Park Today

The Park hosts cutting-edge research each year. Much of the work at Stripling Park now focuses on advanced irrigation scheduling, chemigation and Variable-Rate Irrigation.



At the Park

Right:
B.J. & Kyle
repairing drag hose to
Camilla lateral
irrigation system.



Below:
B.J. planting cotton in
the Front 4 North.



At the Park

Right:
Dr. Sintim's peanuts
coming up in the Pine
field.

Below:
B.J. & Kyle repairing the
Camilla lateral riser.



At the Park

Right:
Catch cup test in the
Front 4 South.

Below:
Dr. Snider & Bailey
doing stand counts in
the Camilla lateral
cotton.



At the Park

Right:
Dr. Kemerait's student
worker, Christian, in
the VRI corn.

Below:
Applying layby
herbicide in VRI corn.



At the Park

Right:
Dr. Porter's crew
installing SSA sensors
in the Camilla lateral
peanuts.

Below:
Fertigating Dr. Sintim's
corn in the Newton
lateral.



At the Park

Right:
Dr. Vellidis' crew
installing SSA sensors in
the Front 4 South
soybeans.

Below:
B.J. speaking to UGA
Athens' Ecology student
visitors.



Ancestry...

Nicolas Cage, Sofia Coppola, and Jason Schwartzman - 1st cousins

Amy Schumer and US senator Chuck Schumer - 2nd cousins

Snoop Dogg and Brandy Norwood - 1st cousins

Al Roker and Lenny Kravitz are 1st cousins once removed. Their grandfathers were cousins.

Fantasia Barrino, K-Ci & JoJo - 1st cousins

Melissa McCarthy and Jenny McCarthy - 1st cousins

President Obama and President Bush - 10th cousins

President Obama and Brad Pitt - 9th cousins

Cameron Diaz and Nicole Richie are sisters-in-law. They married brothers Benji and Joel Madden, members of the band Good Charlotte.

Jeff Bezos and country singer George Strait - 1st cousins

Tom Hanks is related to Abraham Lincoln. Abraham Lincoln's mother's name was literally Nancy Hanks.

Shirley MacLaine and Warren Beatty - siblings

Julia Roberts and Emma Roberts - aunt / neice

Goldie Hawn and Kate Hudson - mother / daughter

Bryce Dallas Howard and Ron Howard - daughter / father

Tracee Ellis Ross and Diana Ross - daughter / mother

Tippi Hedren and Melanie Griffith - mother / daughter

Tom Cruise and William Mapother - cousins

Melanie Griffith and Dakota Johnson - mother / daughter

Quincy Jones and Rashida Jones - father / daughter

Meryl Streep and Mamie & Grace Gummer - mother / daughters

Beyoncé and Solange - sisters

Anderson Cooper and Gloria Vanderbilt - son / mother

Whitney Houston and Dionne Warwick - cousins

Owen Wilson, Luke Wilson, and Andrew Wilson - brothers

Kiefer Sutherland and Sarah Sutherland - father / daughter

Rob Schneider and Elle King - father / daughter

Conan O'Brien and Denis Leary - 3rd cousins

Christopher "Ludacris" Bridges and Monica Brown - cousins

Berry Gordy and Redfoo - father / son

Tyne Daly and Tim Daly - siblings

John David Washington and Denzel Washington - son / father

Andie MacDowell and Margaret Qualley - mother / daughter

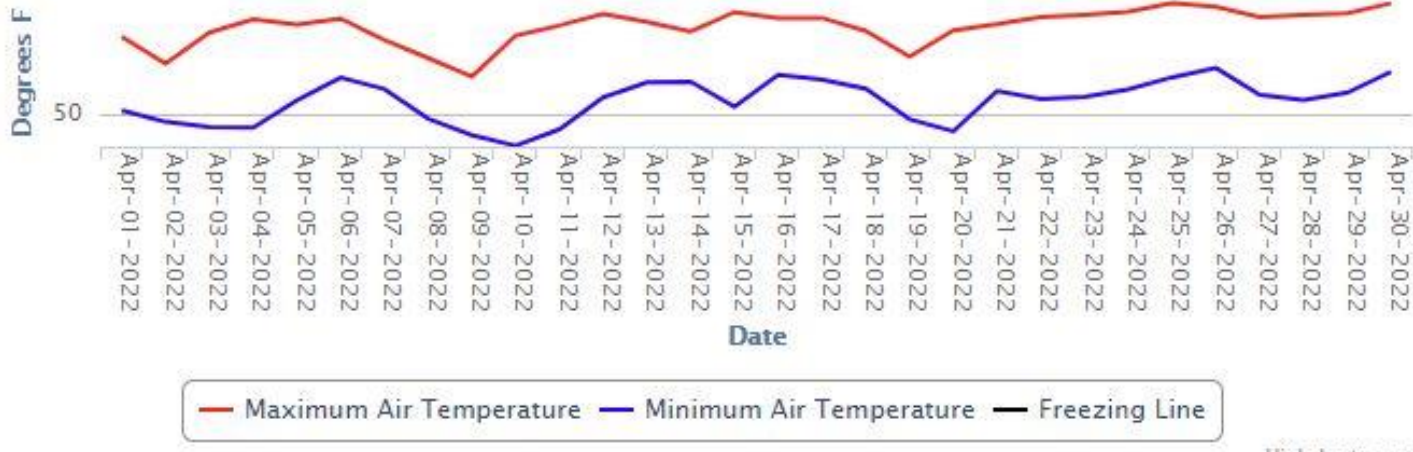
Florence Pugh and Toby Sebastian - siblings

Mariska Hargitay and Jayne Mansfield - daughter / mother

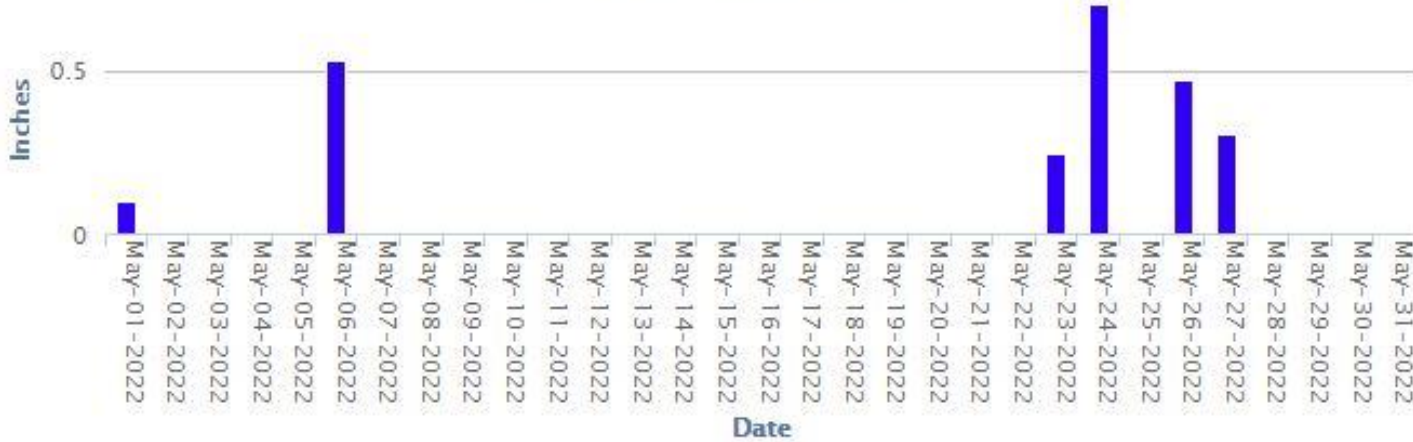


SIRP Weather

Maximum Temperature, Minimum Temperature



Daily Cumulative Rainfall



For May, SIRP had 2.38 inches of rainfall, compared to 3.11 inches in April, 4.59 inches in March, 1.79 inches in February and 5.05 inches in January. A total of 16.92 inches from January through May.

To explore weather information, visit www.georgiaweather.net.



Contact Information



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Candace Gray (Admin. Associate): sirp@uga.edu

Trivia / Riddle:

You measure my life in hours and I serve you by expiring. I'm quick when I'm thin and slow when I'm fat. The wind is my enemy.

Answer: A candle.

Commit to Groundbreaking Research

Ag research keeps Georgia agriculture on the leading edge of the industry. Consider giving to the C.M. Stripling Irrigation Research Park today.

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