

## Martin County Projects Update

July 8, 2019

(Update provided by Dianne Hughes, Senior Ecosystem Specialist)

Lake Okeechobee stage: 11.34 ft

Previous day: 11.32 ft

One week ago: 11.33 ft

(1965-2007 avg for today): 13.52 ft

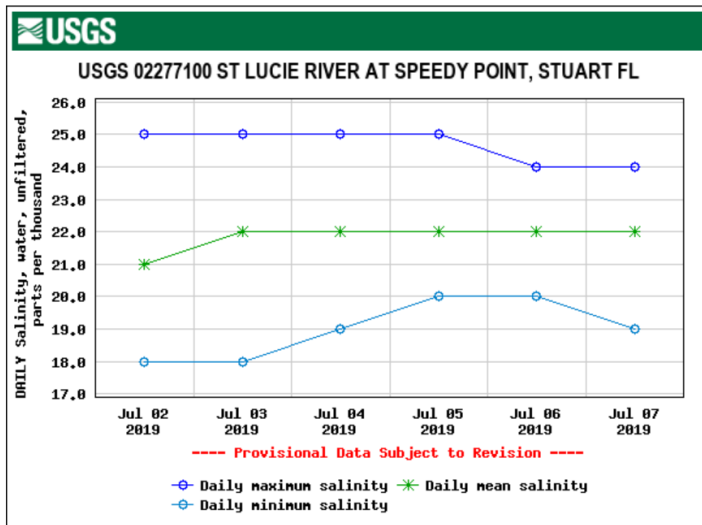
Total Structure/Creek Inflows: 1209 cfs

Total Structure Outflow: 0 cfs

There are currently no flows coming from Lake Okeechobee to the estuary. Blue green algae have been reported in the lake on the upstream side of the S-308 structure. Coastal Martin County has received an average of ~1 inch of rainfall with a maximum of ~2.6 inches, and the C-44 basin has received an average of ~1.9 inches with a maximum of ~4.2 inches over the past 7 days.

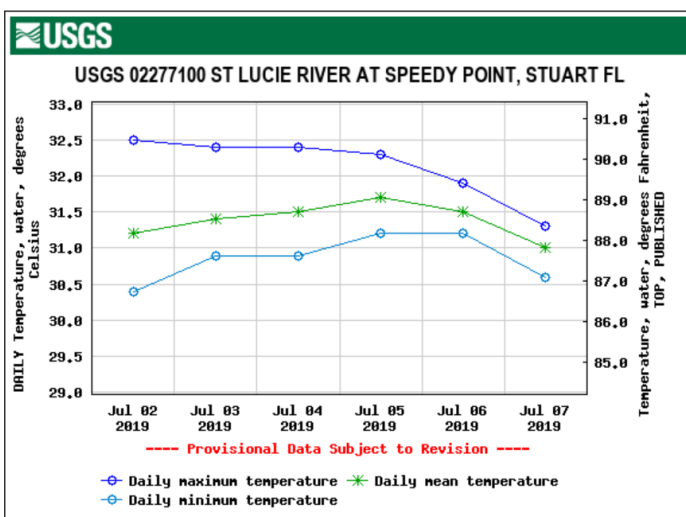
**Please note that the S-80 structure has been discharging C-44 basin run-off between 300 – 400 cubic feet per second since July 5.** No blue green algae have been observed or reported in the St. Lucie River or Estuary for the past week.

### Current Salinities:



Surface salinities averages are currently in the preferred salinity range.

### Current Temperatures:



Temperatures for the middle estuary have remained around the daily mean of ~88° F or 31° C for the past week.

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### Enterococcus:

<b>GOOD =</b>	0 to 35 cfu Enterococcus / 100 ml river water
<b>MODERATE =</b>	36 to 70 cfu Enterococcus/100ml river water
<b>POOR =</b>	71 or more cfu Enterococcus / 100 ml river water
Note: Prior to 1/1/2016, Poor = 104 or more cfu Enterococcus / 100 ml river water On 10/17/16 lab analysis method changed to EnterAlert 9210	

Enterococcus levels are in the good range at all 4 river sites. DOH tests on Mondays and results are generally available by Thursday.

Sample Date	Roosevelt Bridge (1)	Sandsprit Park (2)	Leighton Park (3)	Stuart Sandbar (5)
7/3/2019	Not sampled	Not sampled	10	Not sampled
7/1/2019	10	10	137	10
6/24/2019	10	10	10	10

### Project Updates:

Martin County Ecosystem Division is currently exploring two different nano-bubble technologies to fight against blue green algae and is developing pilot demonstration projects to occur in the very near future. More details to come soon!

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