

## Martin County Projects Update

June 24, 2019

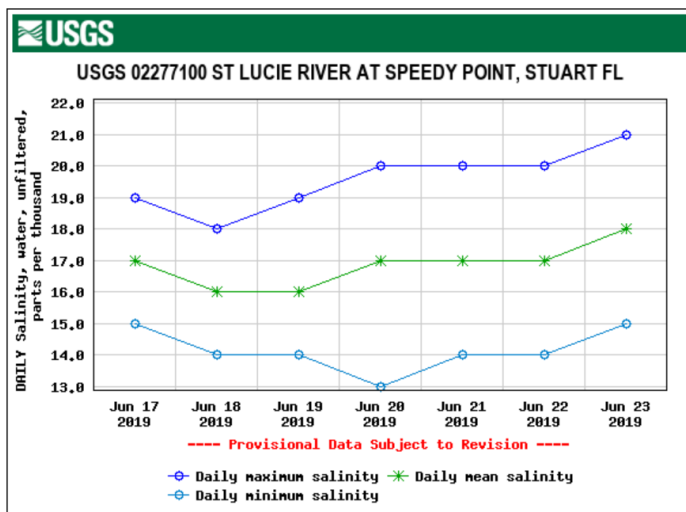
(Update provided by Dianne Hughes, Senior Ecosystem Specialist)

Lake Okeechobee stage: 11.27 ft  
Previous day: 11.27 ft  
One week ago: 11.19 ft  
(1965-2007 avg for today): 13.26 ft

Total Structure/Creek Inflows: 2037 cfs  
Total Structure Outflow: 212 cfs

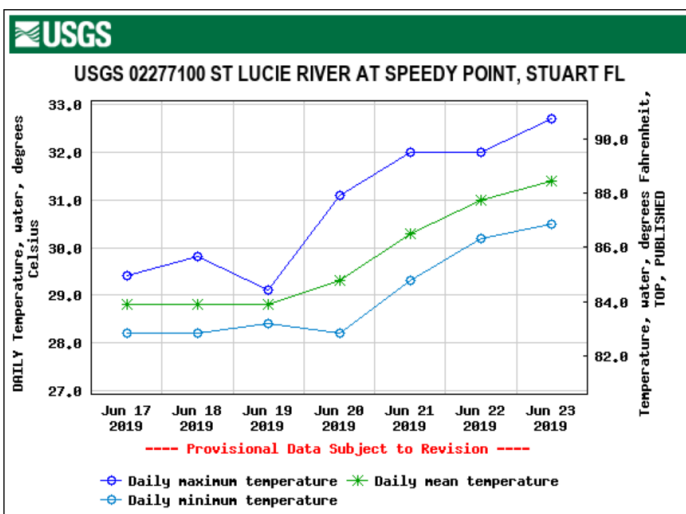
There are currently no flows coming from Lake Okeechobee to the estuary. Blue green algae have been reported in the lake on the upstream side of the S-308 structure. Coastal Martin County has received an average of 1 inch of rainfall with a maximum of ~2 inches over the past 7 days. No blue green algae 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 have increased over the past week and the mean temperature for the middle estuary is ~88° F or 31° C.

### Enterococcus:

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<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 EnteroAlert 9210	

Enterococcus levels are in the good range at all 4 river sites. A poor sample was pulled on 6/17 but the resample on 6/19 was good. 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)
6/19/2019	Not sampled	Not sampled	31	Not sampled
6/17/2019	10	10	111	20
6/10/2019	42	20	20	10
6/3/2019	10	10	53	10