

Martin County Projects Update

June 18, 2019

(Update provided by Dianne Hughes, Senior Ecosystem Specialist)

Lake Okeechobee stage: 11.21 ft

Previous day: 11.18 ft

One week ago: 10.99 ft

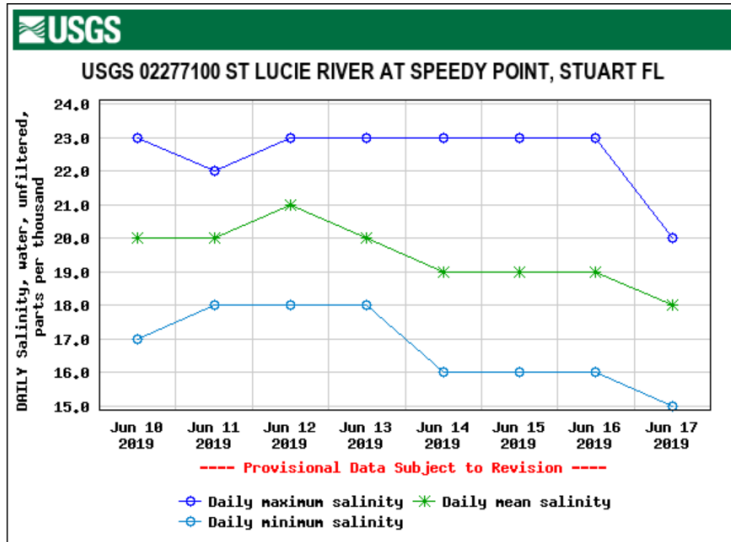
(1965-2007 avg for today): 13.19 ft

Total Structure/Creek Inflows: 1839 cfs

Total Structure Outflow: 4 cfs

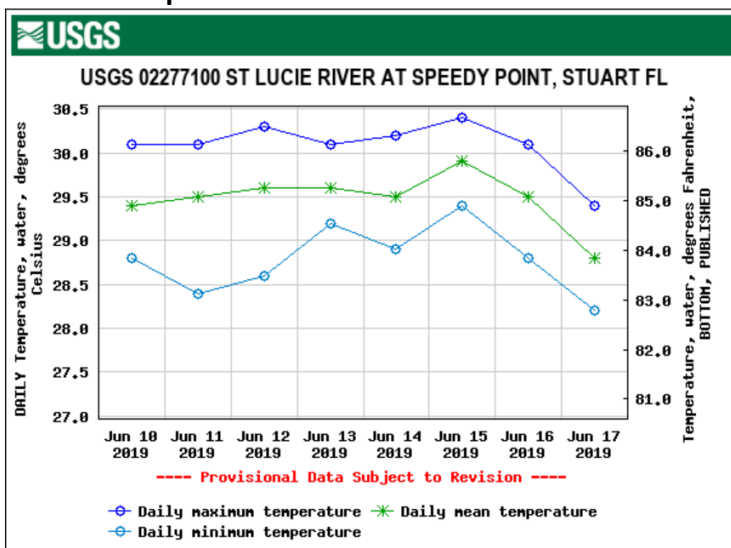
There are currently no flows coming from Lake Okeechobee to the estuary. Blue green algae have been reported in the lake on the upstream side of the S-308 structure. Coastal Martin County has received an average of 2.378 inches of rainfall with a maximum of 4.64 inches. No blue green algae have been 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 decreased with the rains and the mean temperature for the middle estuary is ~84° F or 28.75° C.

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Enterococcus:

GOOD =	0 to 35 cfu Enterococcus / 100 ml river water
MODERATE =	36 to 70 cfu Enterococcus/100ml river water
POOR =	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 3 of the 4 river sites. Roosevelt Bridge had moderate levels last week. 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)
6/10/2019	42	20	20	10
6/3/2019	10	10	53	10
5/28/2019	20	10	10	10