

Martin County Projects Update

June 10, 2019

(Update provided by Dianne Hughes, Senior Ecosystem Specialist)

Lake Okeechobee stage: 10.94 ft

Previous day: 10.91 ft

One week ago: 10.84 ft

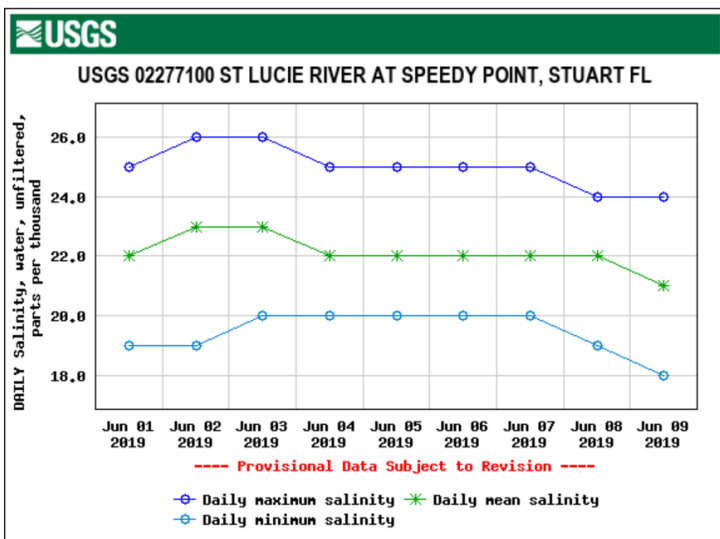
(1965-2007 avg for today): 13.15 ft

Total Structure/Creek Inflows: 245 cfs

Total Structure Outflow: 229 cfs

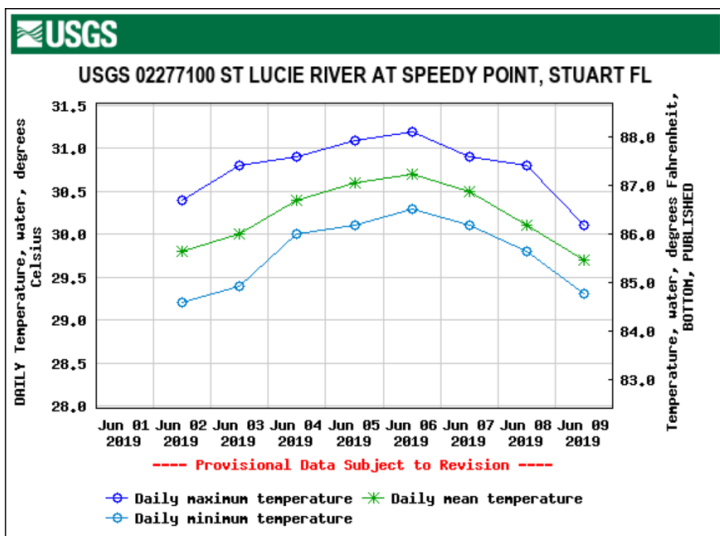
There are currently no flows coming from Lake Okeechobee to the estuary. Blue green algae have been reported in the lake on the upstream side of the S-308 structure. No blue green algae have been observed or reported in the St. Lucie River or Estuary for the past week.

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 85.5° F or 29.75° 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	

Sample Date	Roosevelt Bridge (1)	Sandsprit Park (2)	Leighton Park (3)	Stuart Sandbar (5)
6/3/2019	10	10	53	10
5/28/2019	20	10	10	10

Enterococcus levels are in the good range at 3 of the 4 river sites. Leighton Park had moderate levels last week. DOH tests on Mondays and results are generally available by Thursday.