

## Martin County Projects Update

July 16, 2019

(Update provided by Dianne Hughes, Senior Ecosystem Specialist)

Lake Okeechobee stage: 11.47 ft

Previous day: 11.48 ft

One week ago: 11.36 ft

(1965-2007 avg for today): 13.59 ft

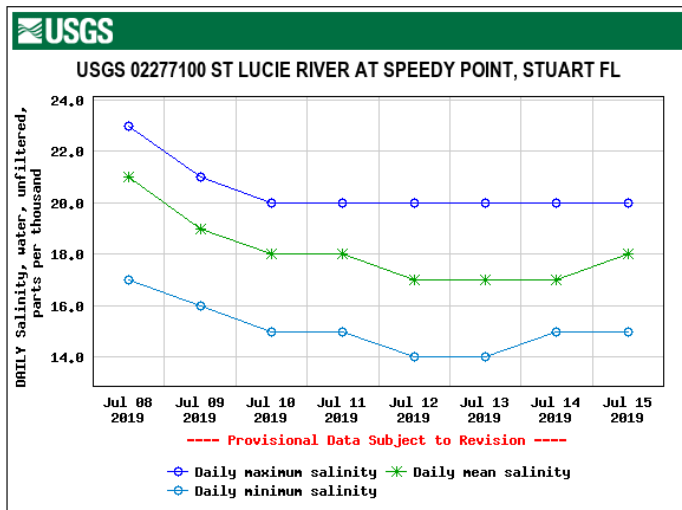
Total Structure/Creek Inflows: 2178 cfs

Total Structure Outflow: 0 cfs

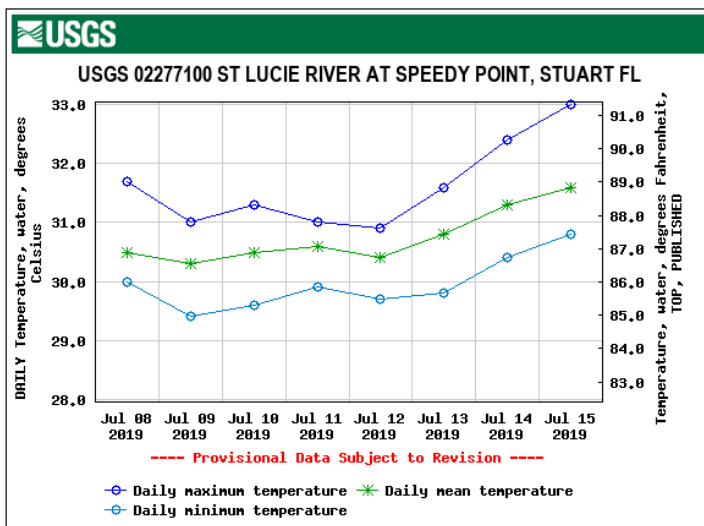
There are currently no flows coming from Lake Okeechobee to the estuary. Blue green algae have been reported in the lake on the upstream side of the S-308 structure. **Blue green algae have been observed in the Outboards Only boat basin in Jensen Beach on the north side of the estuary.** Coastal Martin County and the C-44 basin have received an average of ~0.5 inches of rainfall with a maximum of ~1.5 inches over the past 7 days.

Surface salinities averages are currently in the preferred salinity range.

### Current Salinities:



### Current Temperatures:



Temperatures for the middle estuary have remained around the daily mean of ~89° F or 32° 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<br>On 10/17/16 lab analysis method changed to EnterAlert 9210 |  |

Enterococcus levels are in the good range at 2 of the 4 river sites. Roosevelt Bridge and Sandsprit Park are at moderate levels. 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) |
|-------------|----------------------|--------------------|-------------------|--------------------|
| 7/10/2019   | Not sampled          | Not sampled        | 10                | Not sampled        |
| 7/8/2019    | 64                   | 42                 | 207               | 10                 |
| 7/3/2019    | Not sampled          | Not sampled        | 10                | Not sampled        |
| 7/1/2019    | 10                   | 10                 | 137               | 10                 |

### Project Updates:

Blue Nano will be mobilizing on July 19, 2019 to one of the County stormwater treatment ponds in the Poinciana Gardens neighborhood for a pilot demonstration of their nano bubble technology.

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