

## Martin County Projects Update

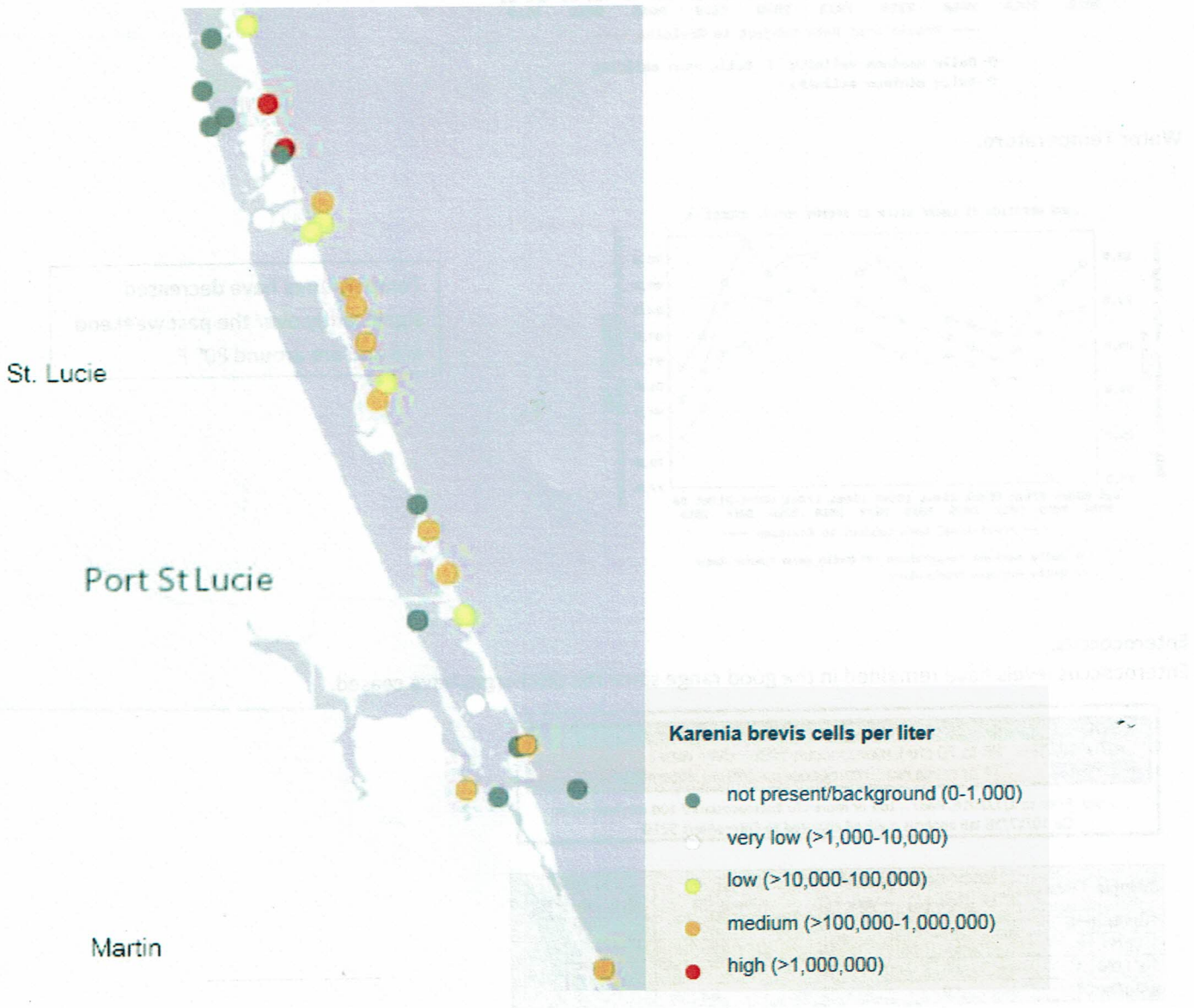
October 25, 2018 at 11 a.m., City of Stuart Commission Chambers  
(Update provided by Dianne Hughes, Senior Ecosystem Specialist,  
Ecosystem Restoration & Management Division)

Average Daily Conditions as of:  
24 October 2018, 0000 hrs

Lake Okeechobee Stage: 13.95 ft  
Previous day: 13.98 ft  
One week ago: 14.19 ft

Total Structure/Creek Inflows: 1541 cfs  
Total Structure Outflow: 5249 cfs

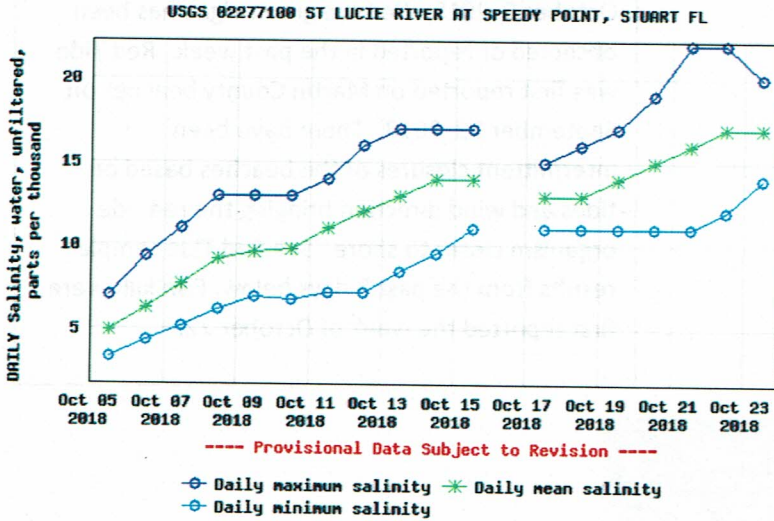
Discharges from Lake Okeechobee ceased on October 5, 2018. No blue green algae has been observed or reported in the past week. Red Tide was first reported on Martin County beaches on September 29, 2018. There have been intermittent closures of the beaches based on tides and wind direction bringing the red tide organism closer to shore. See Red Tide sample results from the past 8 days below. Fish kills were first reported the week of October 22.



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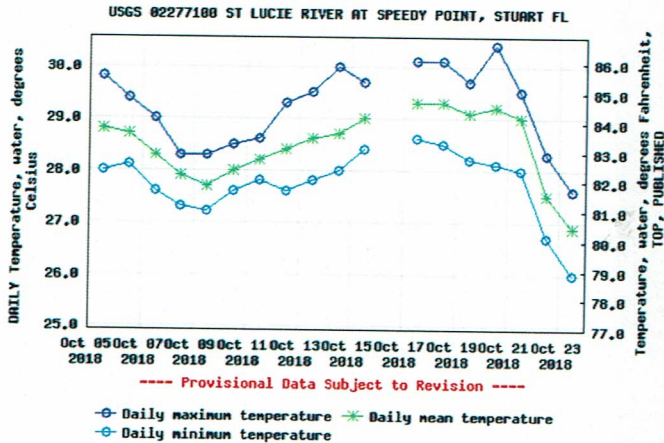
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### Current Salinities:



Bottom and surface salinities averages have finally increased into the satisfactory range since Lake Okeechobee releases ceased on October 5.

### Water Temperature:



Temperatures have decreased significantly over the past weekend and are around 80° F.

### Enterococcus:

Enterococcus levels have remained in the good range since the discharges have ceased.

<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

Sample Date	Roosevelt Bridge (1)	Sandsprit Park (2)	Leighton Park (3)	Stuart Sandbar (5)
10/15/2018	30	10	20	10
10/8/2018	10	10	20	10
10/1/2018	10	10	10	10
9/24/2018	42	10	53	10

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**Emergency Operations:**

Martin County enacted a local state of emergency on August 7, 2018. Florida Department of Environmental Protection granted the County \$700,000 for management services of harmful algal blooms (HAB) on August 9, 2018. Algae removal operations and disposal were essentially complete the week of October 15, 2018 and all equipment has been demobilized. The County's contractor collected, treated and disposed of 25,000 gallons of algae laden water.

**Project Updates:**

River Cove and Jensen Beach Impoundment - Improvements to parking/access and pavilions are under review by our Growth Management Department and will be constructed by the end of this year.

Rio Nature Preserve – The design for repairing the damage caused by Hurricane Irma is complete. The County will go out to bid for construction next week. This project should be complete by the end of the year.

Perry Beach – Construction is well underway for improvements which include shell rock parking, pervious pavement sidewalks, bus parking for environmental education programs, ADA compliant boardwalks, educational pavillion with steps down to the water and a fishing pier. The site will also in the near future have a canoe/kayak launch and educational signage. Construction should be complete in the next six months, however, we expect to open up access next month.