

North Indian River Lagoon BMAP Monitoring Plan

June 7, 2012

Reminder - Proposed Approach

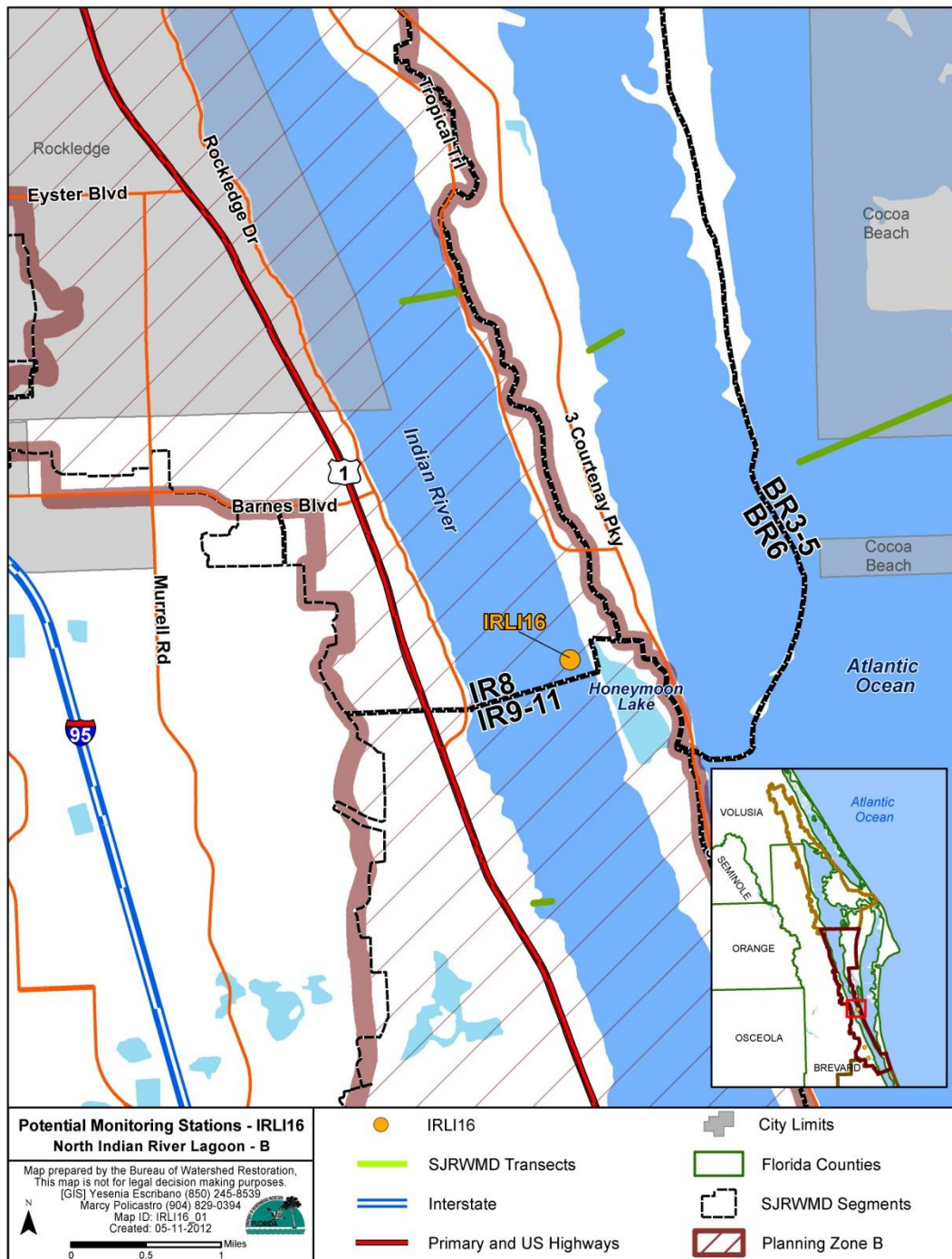
- The proposed monitoring plan would be divided into two levels:
 1. Primary monitoring – To track seagrass depth limit extent responses to BMAP implementation. FDEP and SJRWMD will take the lead on funding and conducting the primary monitoring.
 2. Secondary monitoring – To track trends in ambient water quality in the lagoon and tributaries.

Secondary Monitoring - Updated

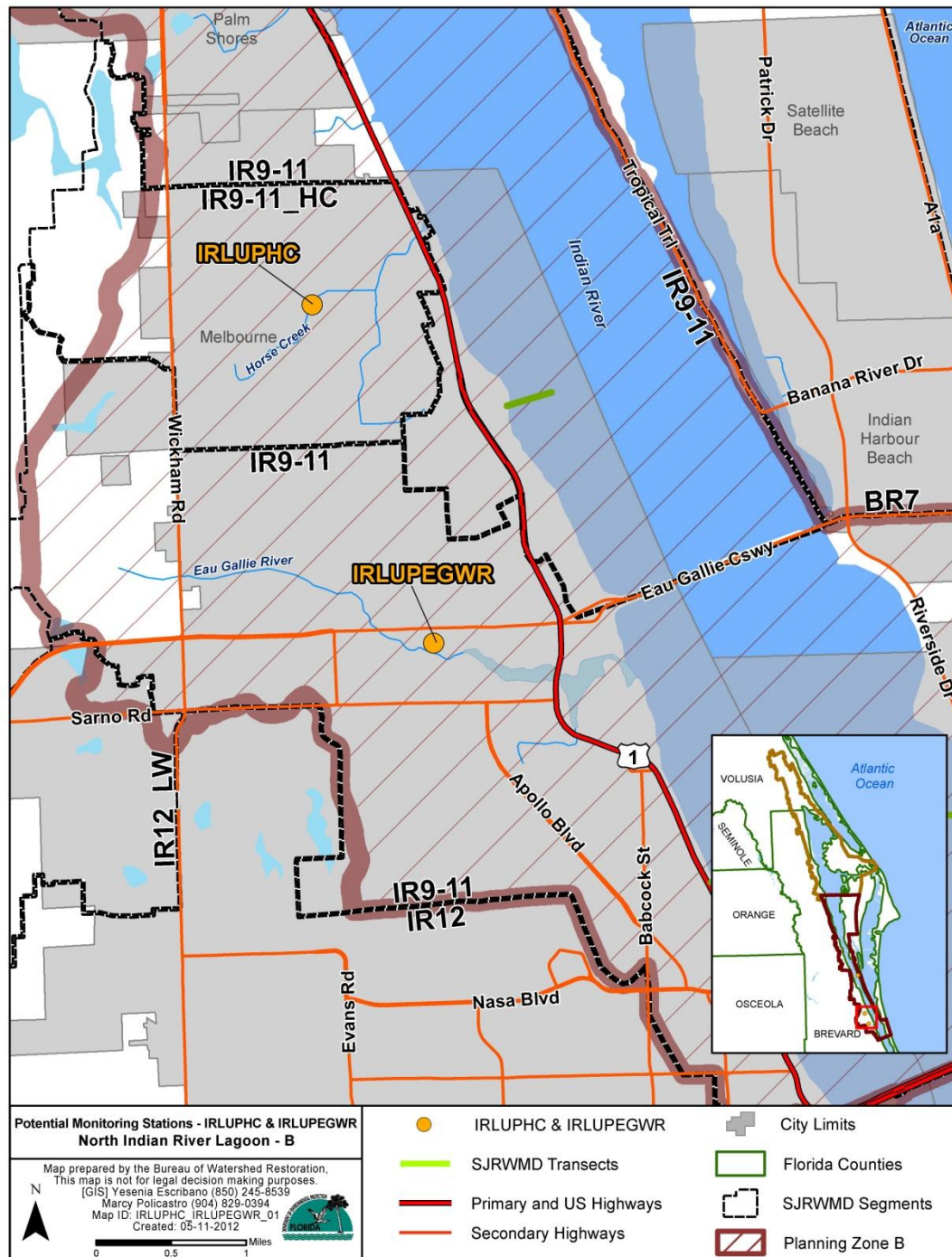
- SJRWMD will continue their existing monthly water quality sampling stations in the North IRL as part of the secondary monitoring.
- SJRWMD is proposing to resume sampling a few stations in the North B project zone:
 - One in lagoon station; and
 - Two tributary stations (Eau Gallie River Upstream at Weir and Horse Creek Upstream at Croton Road).
- SJRWMD is also proposing to add monthly water quality sampling stations at:
 - Barton Park North Outfall;
 - Barton Park South Outfall; and
 - Bracco Pond Outfall.

Discharge Monitoring

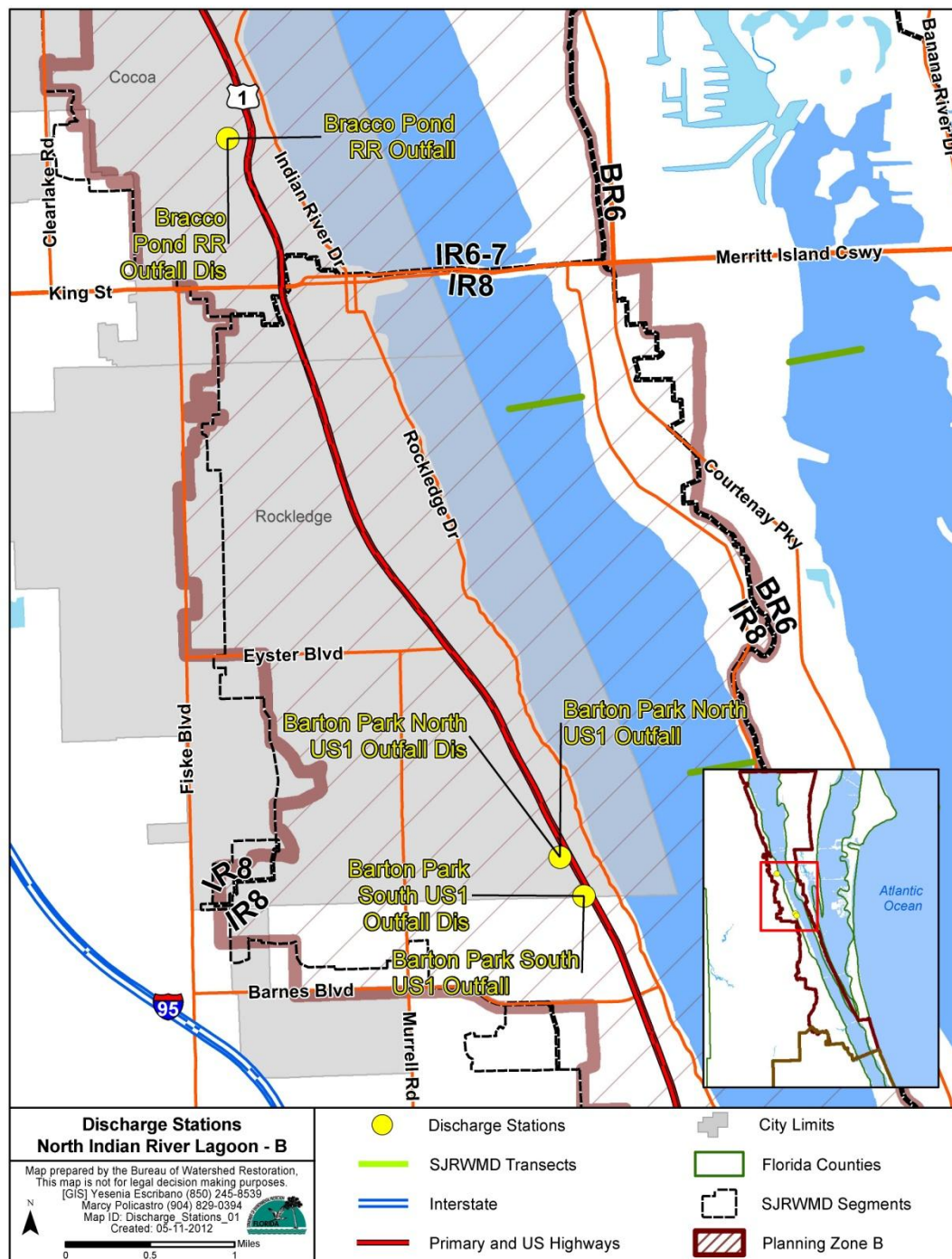
- It would also be useful to collect discharge data at the proposed Barton Park and Bracco Pond water quality stations.
- The discharge stations would be needed for as long as it takes to obtain enough data to represent the usual range of conditions.
 - Estimated 1-3 years of data, depending on storm conditions.
- Stakeholder funding would be needed to add the discharge gauges and monitoring.
- Estimated costs are:
 - \$30,000 per site for installation, monitoring, and maintenance in the first year.
 - \$17,000 per site for monitoring and maintenance in subsequent years.



Proposed in lagoon
 station for resumed
 sampling.



Proposed tributary
stations for resumed
sampling.



Proposed new
tributary monthly
water quality
stations and
discharge stations.

Stakeholder Input

- It would be helpful for the SJRWMD to have support from the stakeholders in order to secure funding to resume sampling at the 3 stations and to add monitoring at 3 new stations.
 - Would the stakeholders be willing to provide verbal support to the SJRWMD for these efforts?
 - FDEP will prepare a letter to SJRWMD listing the entities that agree the additional monitoring is needed.
 - This is not a financial commitment from the stakeholders, only a notice of support for SJRWMD's efforts to obtain additional funding for IRL monitoring.

Stakeholder Input, continued

- For the discharge stations, stakeholder input is needed on whether collecting discharge data at the 2 locations is of interest and whether funding is available to add the gauges and monitor discharge.
 - Would discharge data at the Barton Park and Bracco Pond outfalls be useful?
 - Would stakeholders be able to obtain the necessary funding (\$30,000 per site for the first year and \$17,000 per site for subsequent years)?