

City of Edgewater

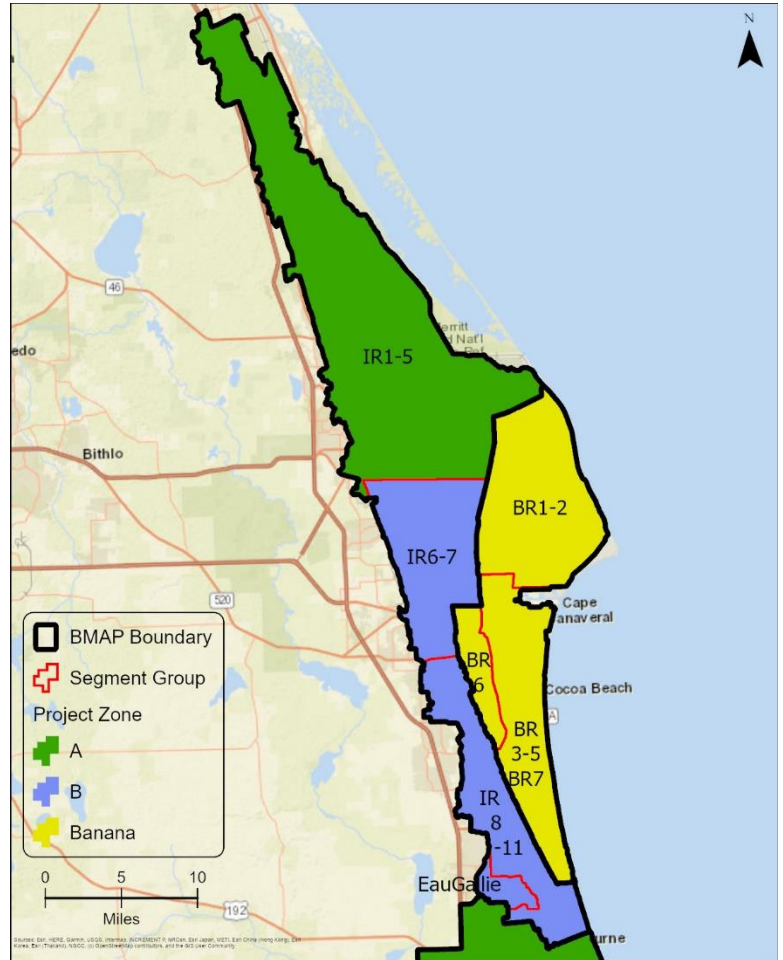
North Indian River Lagoon BMAP

Draft Allocations March 2020

Summary:

- Used load estimation tool (LET) developed from Spatial Watershed Iterative Loading (SWIL) Model to calculate total nitrogen (TN) and total phosphorus (TP) starting loads for each total maximum daily load (TMDL) “Segment Group”
- Applied percent reduction from TMDL for each Segment Group (see tables below) to calculate total TN and TP load reduction required for each Segment Group
- Used LET to calculate total anthropogenic starting load in each Segment Group and determine the percent each entity contributed to the total anthropogenic starting load.
- Multiplied the load reduction required in the Segment Group by the percent each entity contributed to the total anthropogenic starting load to calculate each entity’s required reductions within each Segment Group.

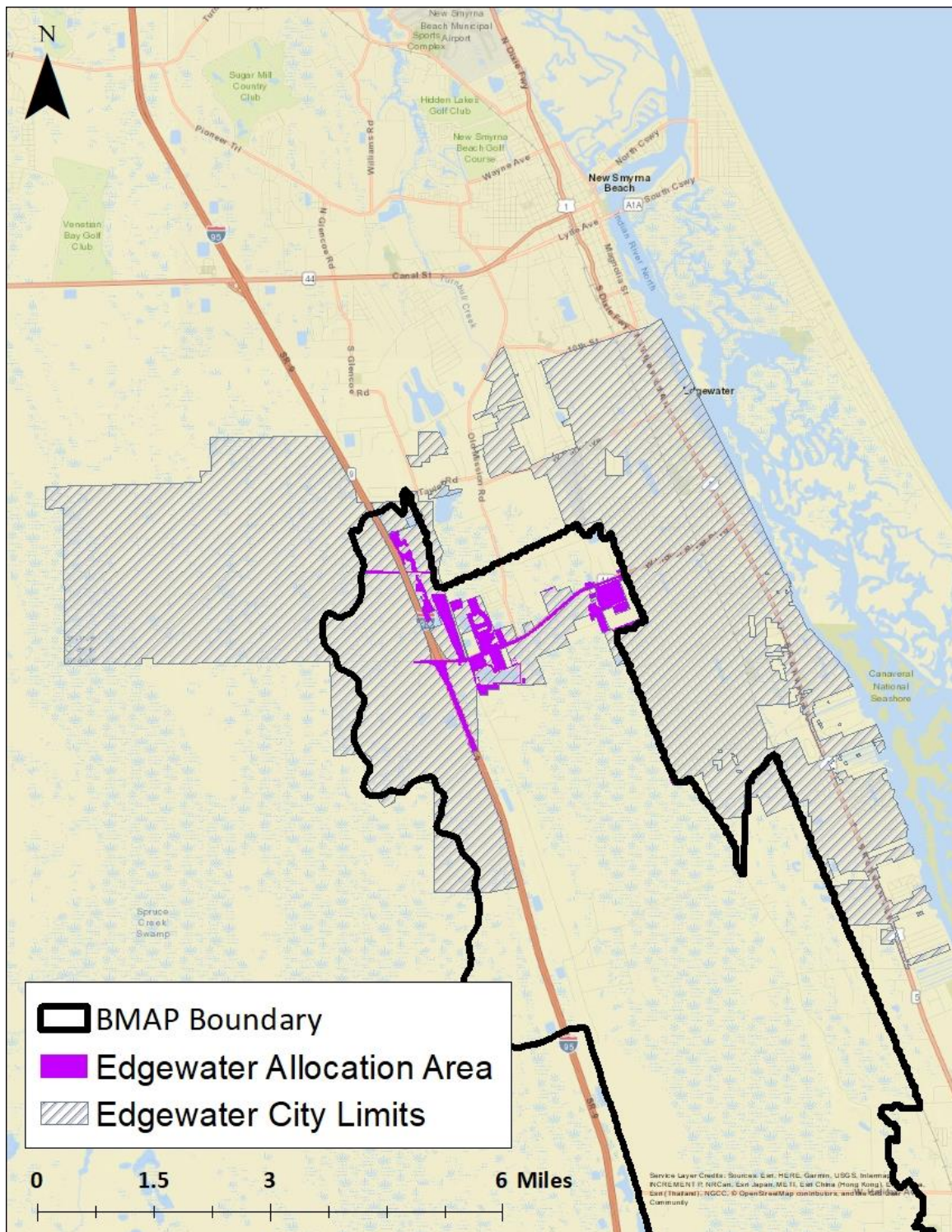
Note: Numbers have been rounded for display in this document but were not rounded during the full calculation process.



Required Reductions Per TMDL Segment Group

BMAP	Project Zone	TMDL Segment Group	% TN TMDL Total Reduction	% TP TMDL Total Reduction
North IRL	A	IR1-5	35%	47%
North IRL	B	IR6-7	36%	53%
North IRL	B	IR8-11	36%	48%
North IRL	B	EauGallie	51%	58%

BMAP	Project Zone	TN (lbs/yr)			TP (lbs/yr)		
		Starting Load	Required Reductions	Allocation	Starting Load	Required Reductions	Allocation
North IRL	A	3,592	3,022	570	477	427	50
Total		3,592	3,022	570	477	427	50



Draft Project Credit Recalculations

Using the LET and geographic information systems (GIS) tools, base loads for the project treatment areas were updated for all projects that require a base load for credit calculations. This allowed the project credits to be recalculated using the same foundation that was used for the updated allocations.

Current verified and completed projects:

Banana River Lagoon

TN (lbs/yr)			TP (lbs/yr)		
Required Reductions	Updated Project Credits	% Reductions Achieved	Required Reductions	Updated Project Credits	% Reductions Achieved
3,022	216	7%	477	29	6%

These credits represent the City of Edgewater's status as of April 2020 – there will continue to be opportunities to submit new projects and obtain additional credits.

Notes:

- There have been few projects reported in the Statewide Annual Report (STAR) for Edgewater. Currently we only have educational efforts on record
 - Does the city in the BMAP area have a street sweeping program?
 - Are there already Stormwater Management projects in effect that we might not have on file?
 - Are there any projects overlapping from the Mosquito Lagoon RAP that might offer treatment to the North Indian River Lagoon?