

Allowable BMP Project Credits

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Types of Project Credit

- DEP has prepared guidance on giving credit for nutrient load reduction from typical actions taken in the urban environment.
- Example handout is for the Indian River Lagoon, but it reflects most current DEP thinking.
- There are 3 major categories that can be credited:
 - 1. Public education and outreach
 - 2. Non structural Best Management Practices
 - 3. Structural Best Management Practices

Public Education

- A credit of up to 6% of jurisdiction's total urban stormwater total phosphorus (TP) and/or total nitrogen (TN) load may be allowable for public education and outreach.
- Approach has been used where detailed allocations have been given to local stakeholders.
- Need to discuss if this is applicable in UOB.

Public Education Activities to Receive Credit

1. Local funding for implementation of the Florida Yards and Neighborhoods (FYN) program.
2. Local land development codes or ordinances that require:
 - Florida Friendly landscaping
 - Landscapers' certification through the Green Industry BMP program
 - Irrigation systems per Sections 125.568 and 166.048, and 373.185, F.S., and specifying fertilizer application rates and types
 - Residents pick up and properly dispose of pet wastes

Public Education Activities (cont)

3. Public service announcements on local television and radio stations
4. Pamphlets on pollution prevention, fertilizer application, Florida Friendly Landscaping, water conservation, septic tank maintenance, etc.
5. Websites to provide information on reducing nutrient pollution for homeowners and businesses
6. Inspection program and public call-in number to address illicit discharges

Public Education Credits

- All six activities: 6% reduction of TN and/or TP loading from jurisdiction urban stormwater.
- If only PSAs, websites, brochures, etc.: 1%.
- If FYN only (no ordinances): 3%.
- If Florida Friendly ordinances only (no FYN): 2% (must have all 4 ordinances for 3% credit).
- Any other combinations need case by case review.

Non structural - Street Sweeping Credits

Based on weight of material removed.

Dependent on factors generated from Florida Stormwater Assoc. University of Florida MS4 BMP project. Still to be determined.

Older guidance Information

- Twice weekly sweeping: 20%
- Once weekly sweeping: 15%
- Once/two weeks sweeping: 10%

Structural and Other Credits

As percentage reduction of load from area treated:

- 2nd Generation Baffle Box: 15.5% TP; 19.05 % TN
- Baffle Box: 2.3%; 0.5% TN
- Stormceptors: 13% TP; 2% TN
- CDS Units: 10% TP; no TN credit
- Floating islands: 20% TP; 20% TN

Structural and Other Credits (cont.)

- Alum injection: 90% TP; 50% TN
- New grass swales with swale blocks or raised culverts: calculate by retention BMPs
- New grass swales without swale blocks or raised culverts: 50% of above calculation
- Already have load reductions for retention ponds

Treatment Area

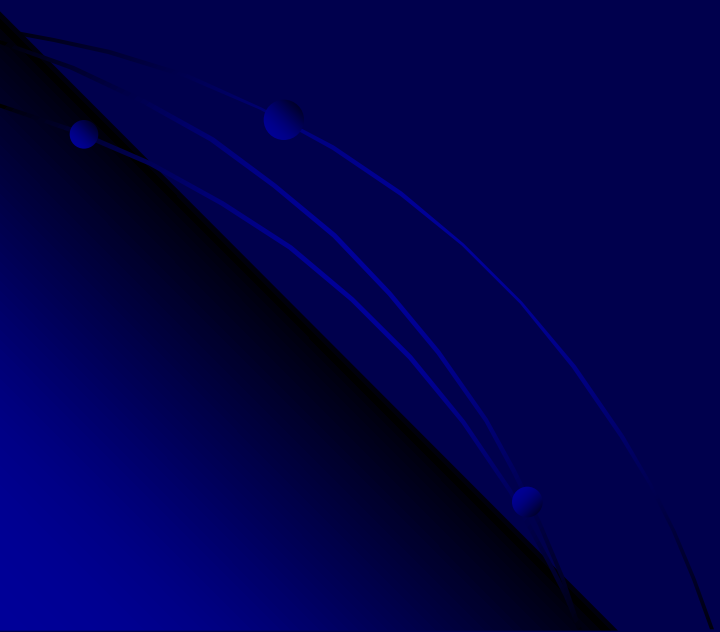


Example Budget- Lake Harris

Sources of Total Phosphorus (loading in lbs/yr)	TMDL Baseline loading (1991-2000)	Estimated load change from current projects (through 2005)	Estimated load change from future projects (2005 on)	Estimated load change from growth (2001-2010)	Net estimated TP load
Spring discharge	2046				2046
Muck farm discharges	174	-174			
muck farm 4 (active)	1826				1826
Restoration area discharges					
Harris Bayou	6906	-4441	-2465		
Atmospheric deposition (wet/dry)	5421				5421
Discharge from Lake Eustis	183		-99		84
Discharge from Palatka River	3891			551	4442
Point sources	39				39
Stormwater runoff					
Natural area runoff	2202			16	2218
Runoff from developed uses	2945	-98	-150	1965	4662
HAR01 Lakeshore Drive Stormwater Proj.		-2			
HAR04 SR500/US441 System A		-13			
HAR05 SR500/US441 System B1		-18			
HAR06 SR500/US441 System B2		-10			
HAR07 SR500/US441 Basin 1		-13			
HAR08 SR500/US441 Basin 3		-11			
HAR09 SR500/US441 Basin 4		-4			
HAR10 SR500/US441 Basin 5		-22			
HAR11 SR500/US441 Basin 6		-5			
HAR13 Hollondell Road SW pond			-150		
Seepage/groundwater					
Septic tanks	1231			342	1573
Loading information					
Baseline and netTP-loading (lbs/yr)	26864	-4713	-2714	2874	22311
Total Maximum Daily Load (lbs/yr)	18302				18302
Additional reduction needed in TP-loading to meet TMDL (lbs/yr)					4009

Project List That Needs Reductions

Handout with list of potential projects



QUESTIONS?

