

Stormwater Allocation

- What allocation, if any, should be given to the post-development load.
- The difference between the post-development load and the allocation for the post-development load equals the offset needed.
- Stormwater Allocation Options:
 - 1) Zero allocation
 - 2) Forest load allocation
 - 3) The lower of the Bay TMDL or Local TMDL allocation for the pre-development land use
 - 4) Pre-development land use load using 2010 Progress run

Nitrogen Loading Analysis

	Cropland to Developed		Forest to Developed	
	Pre	Post	Pre	Post
Load	20	6	3	6
Allocation Provided		Option 1		Option 1
		Option 2		Option 2
		Option 3		Option 3
		Option 4		Option 4
Offset Needed		Option 1		Option 1
		Option 2		Option 2
		Option 3		Option 3
		Option 4		Option 4

*1 acre site, 50% impervious, 50% pervious



Nitrogen Loading Analysis

	Cropland to Developed		Forest to Developed	
	Pre	Post	Pre	Post
Load	20	6	3	6
Allocation Provided	16	Option 1	0	0
		Option 2	3	3
		Option 3	16	3
		Option 4	20	3
Offset Needed		Option 1		
		Option 2		
		Option 3		
		Option 4		

*1 acre site, 50% impervious, 50% pervious



Nitrogen Loading Analysis

	Cropland to Developed		Forest to Developed		
	Pre	Post	Pre	Post	
Load	20	6	3	6	
Allocation Provided	16	Option 1	0	Option 1	0
		Option 2	3	Option 2	3
		Option 2b	6	Option 2b	3
		Option 3	16	Option 3	3
		Option 4	20	Option 4	3
Offset Needed	4	Option 1	6	Option 1	6
		Option 2	3	Option 2	3
		Option 2b	0	Option 2b	3
		Option 3	-10	Option 3	3
		Option 4	-14	Option 4	3

*1 acre site, 50% impervious, 50% pervious



Modified - Nitrogen Loading Analysis

	Cropland to Developed			Forest to Developed		
	Pre	Post		Pre	Post	
Load	20	11		3	11	
Allocation Provided	16	Option 1	0	3	Option 1	0
		Option 2	3		Option 2	3
		Option 2b - Eric	8.7		Option 2b	3
		Option 3	16		Option 3	3
		Option 3b - MACO	16		Option 3b	3
Offset Needed	4	Option 1	11	0	Option 1	11
		Option 2	8		Option 2	8
		Option 2b - Eric	2.3		Option 2b	8
		Option 3	-5		Option 3	8
		Option 3b - MACO	0		Option 3b	8

*1 acre site, 50% impervious, 50% pervious, + 1 Septic



Nitrogen Loading Analysis

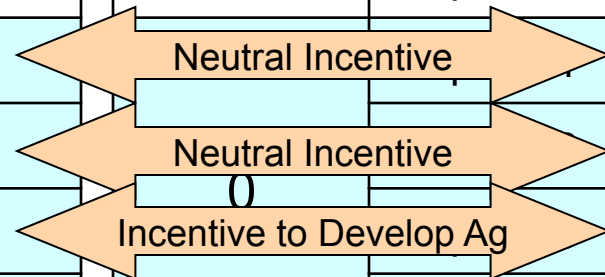
	Cropland to Developed		Forest to Developed		
	Pre	Post	Pre	Post	
Load	20	6	3	6	
Allocation Provided	16	Option 1	0	Option 1	0
		Option 2	3	Option 2	3
		Option 3	16	Option 3	3
		Option 4	20	Option 4	3
Offset Needed	4	Option 1	6	Option 1	6
		Option 2	3	Option 2	3
		Option 3	-10	Option 3	3
		Option 4	-14	Option 4	3



*1 acre site, 50% impervious, 50% pervious

Nitrogen Loading Analysis

	Cropland to Developed		Forest to Developed		
	Pre	Post	Pre	Post	
Load	20	6	3	6	
Allocation Provided	16	Option 1	0	Option 1	0
		Option 2	3	Option 2	3
		Option 3	16	Option 3	3
		Option 4	20	Option 4	3
Offset Needed	4	Option 1	6	Option 1	6
		Option 2	3	Option 2	3
		Option 3	-10	Option 3	3



*1 acre site, 50% impervious, 50% pervious

Range of Pre Land Use

