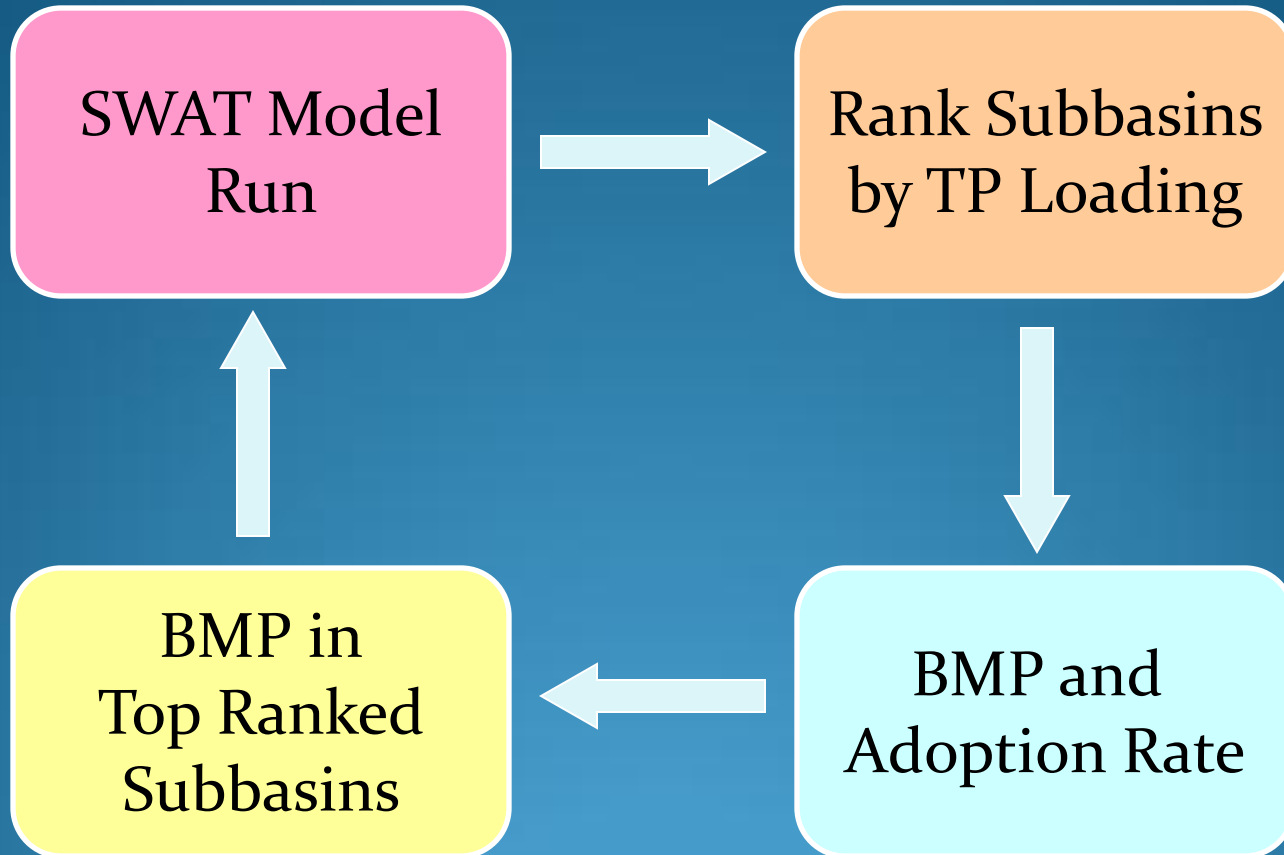


Cost-Effective BMP Implementation

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Economic Analyses

Description	\$/kg of P red.
Grade Stabilization – gully plugs	\$5.55
Establish Filter Strips	\$6.39
Establish Grassed Waterways	\$9.65
Herbicide Application – Riparian Corridor	\$15.37
Required Urban Nutrient Mgt.	\$27.06
Terracing	\$53.39
Conversion of Cropland to Grass/Hay	\$55.31
Hypolimnetic Aeration	\$62.43
Prescribed Burning	\$72.62
P Inactivation with Alum	\$110.92



SUBBASIN	HRU	LANDUSE	HRU Area	Rank by TP
1	1	GRSG	9.22	3
2	1	GRSG	11.67	1
3	1	GRSG	0.33	15
3	2	GRSG	0.60	15
4	1	GRSG	0.51	9
4	2	GRSG	1.49	9
4	3	GRSG	2.29	9
5	1	GRSG	2.17	14
5	2	GRSG	1.25	14
5	3	GRSG	3.06	14
6	1	GRSG	0.62	7
6	2	GRSG	1.02	7
6	3	GRSG	1.30	7
6	4	GRSG	0.76	7
7	1	GRSG	1.69	5
7	2	GRSG	8.13	5
8	1	GRSG	0.16	2
8	2	GRSG	0.24	2
8	3	GRSG	0.70	2
8	4	GRSG	0.27	2
11	1	GRSG	7.21	8
12	1	GRSG	1.66	4
12	2	GRSG	3.82	4
17	1	GRSG	0.70	19
21	1	GRSG	3.50	10
21	2	GRSG	1.80	10

Example of TP Ranking:

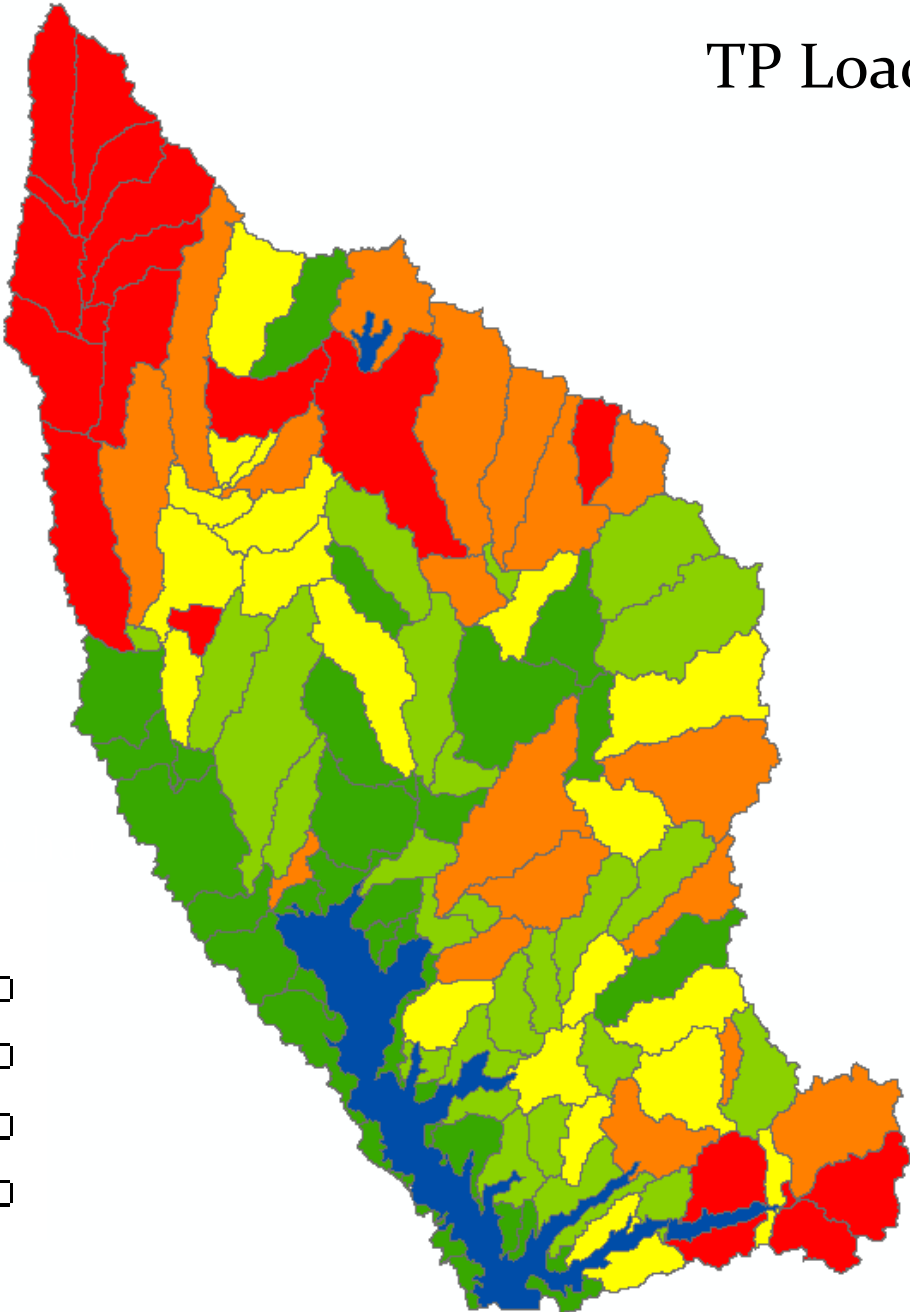
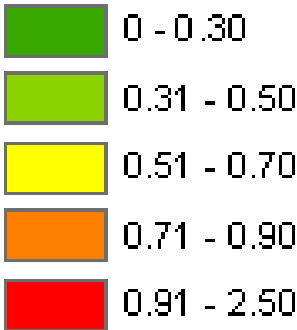
For Filter strips (50% adoption rate)

Previous Study Example

TP Loading Baseline

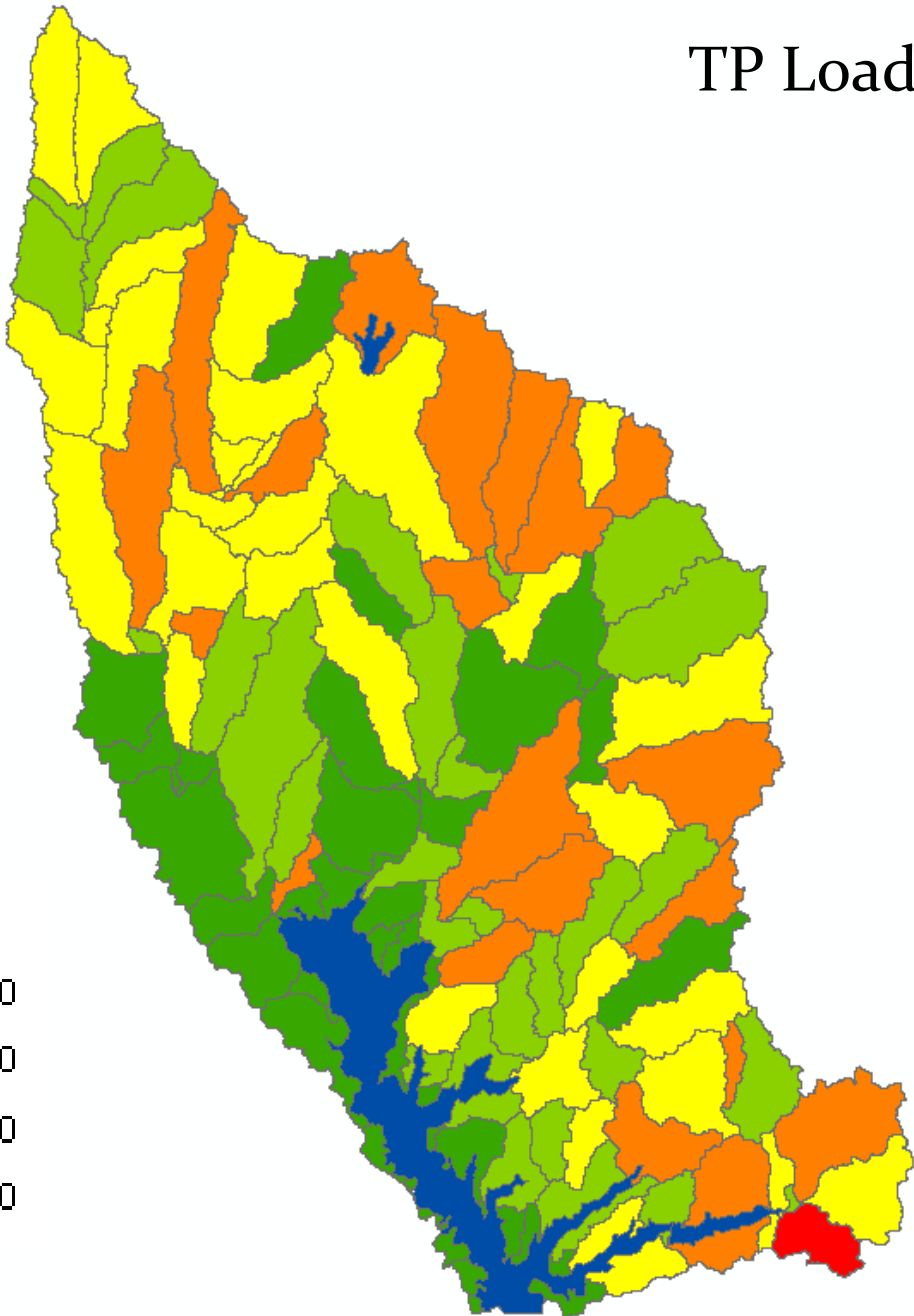
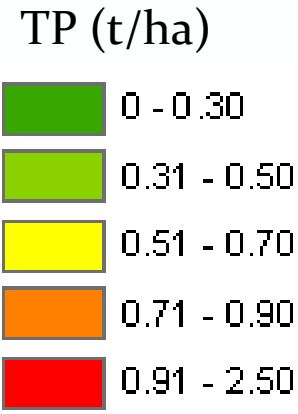
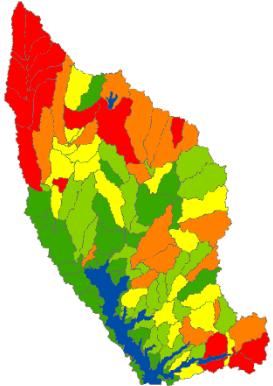


TP (t/ha)



TP Loading by 1 BMP

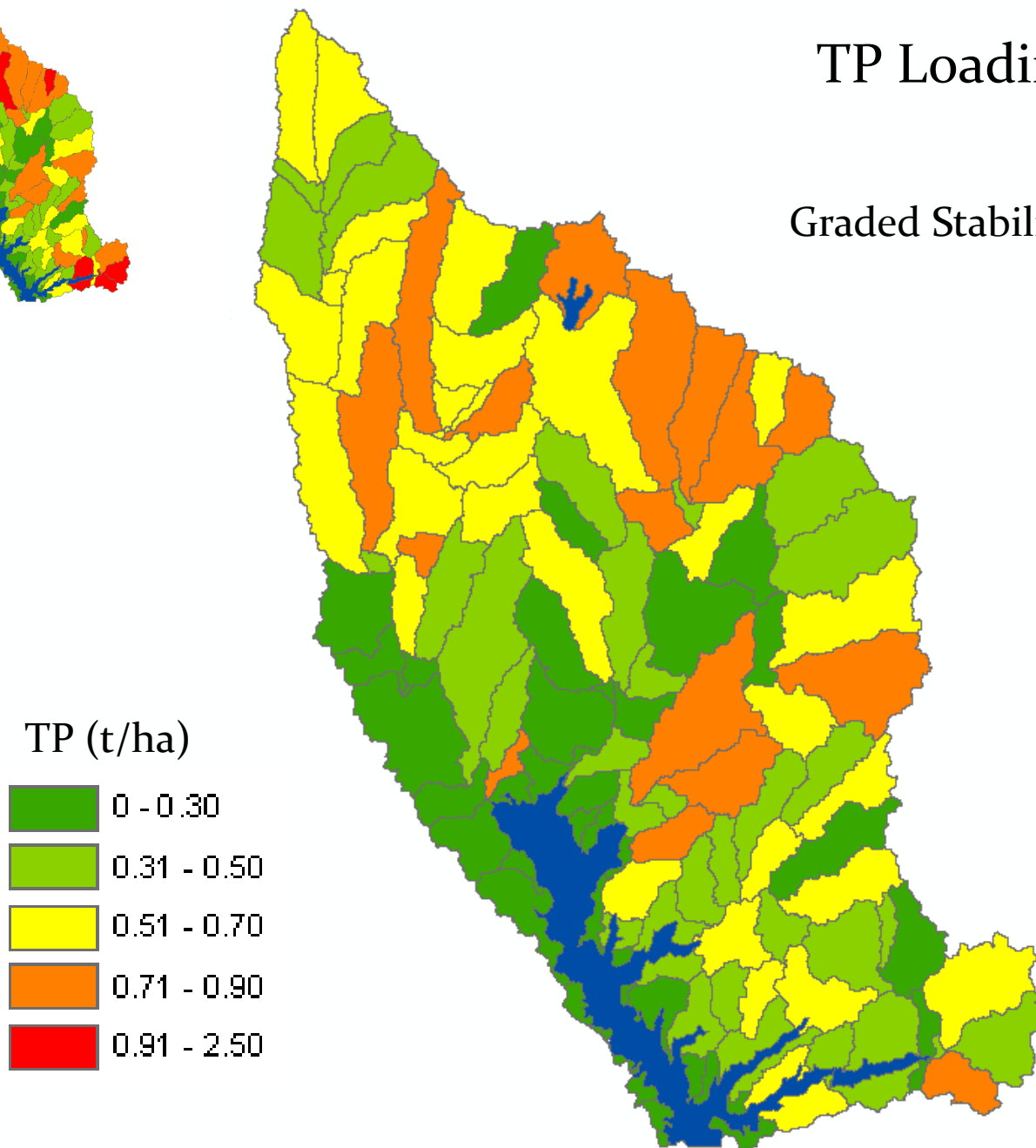
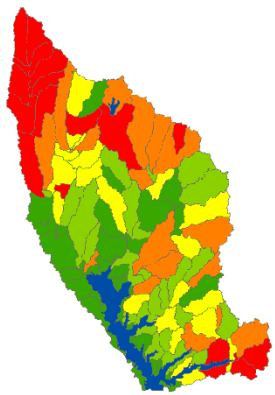
Filter Strips



TP Loading by 2 BMPs

Filter Strips

Graded Stabilization Structures



TP (t/ha)

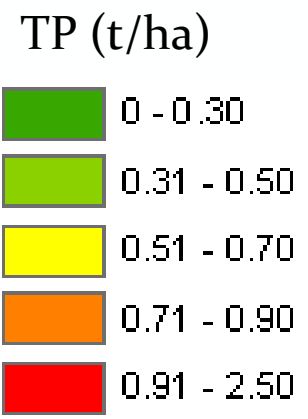
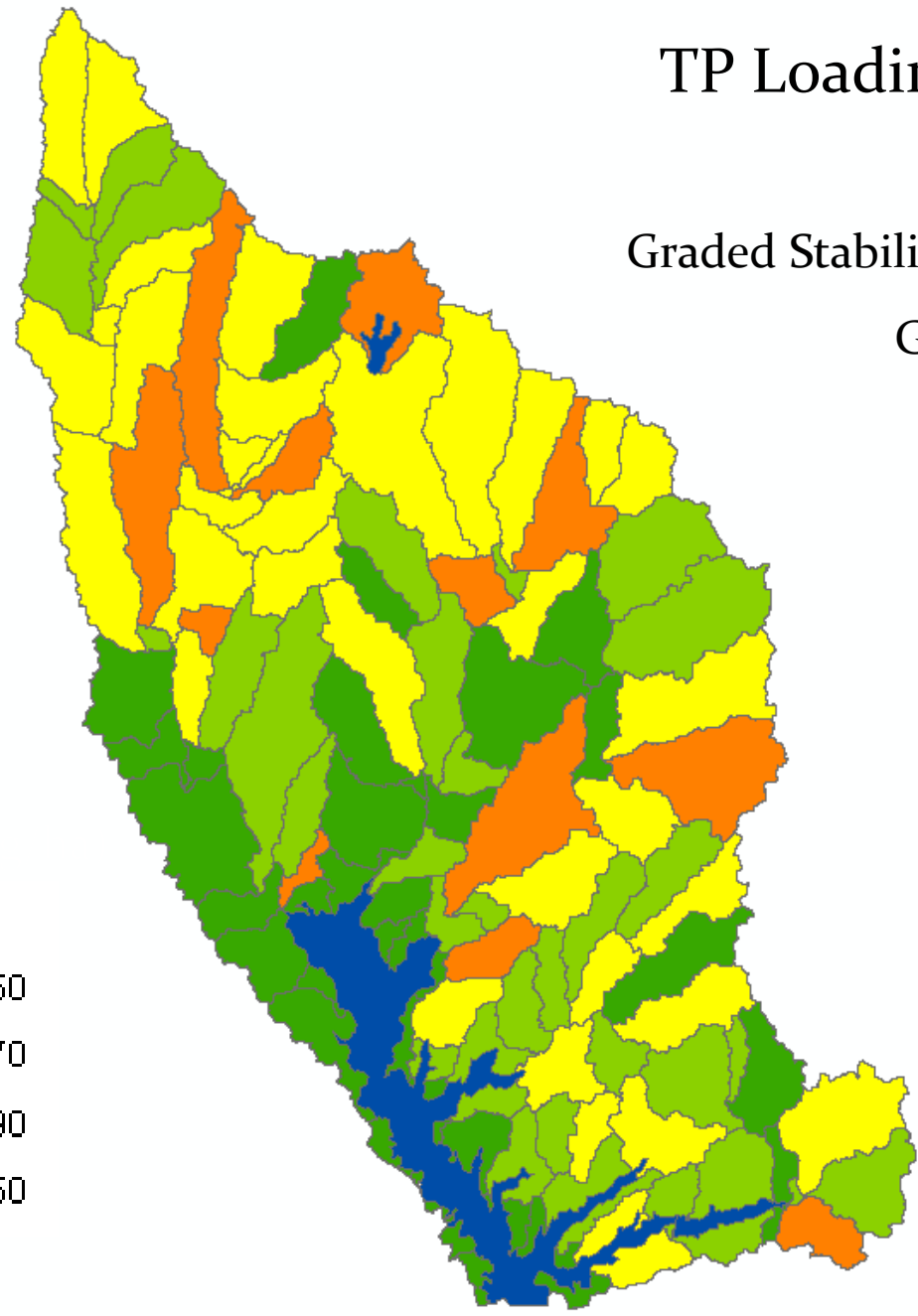
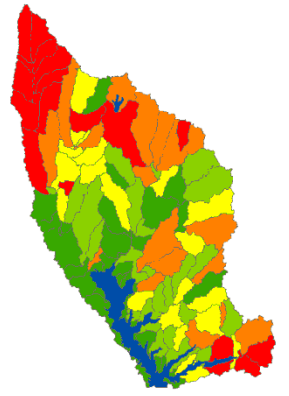


TP Loading by 3 BMPs

Filter Strips

Graded Stabilization Structures

Grassed Waterway



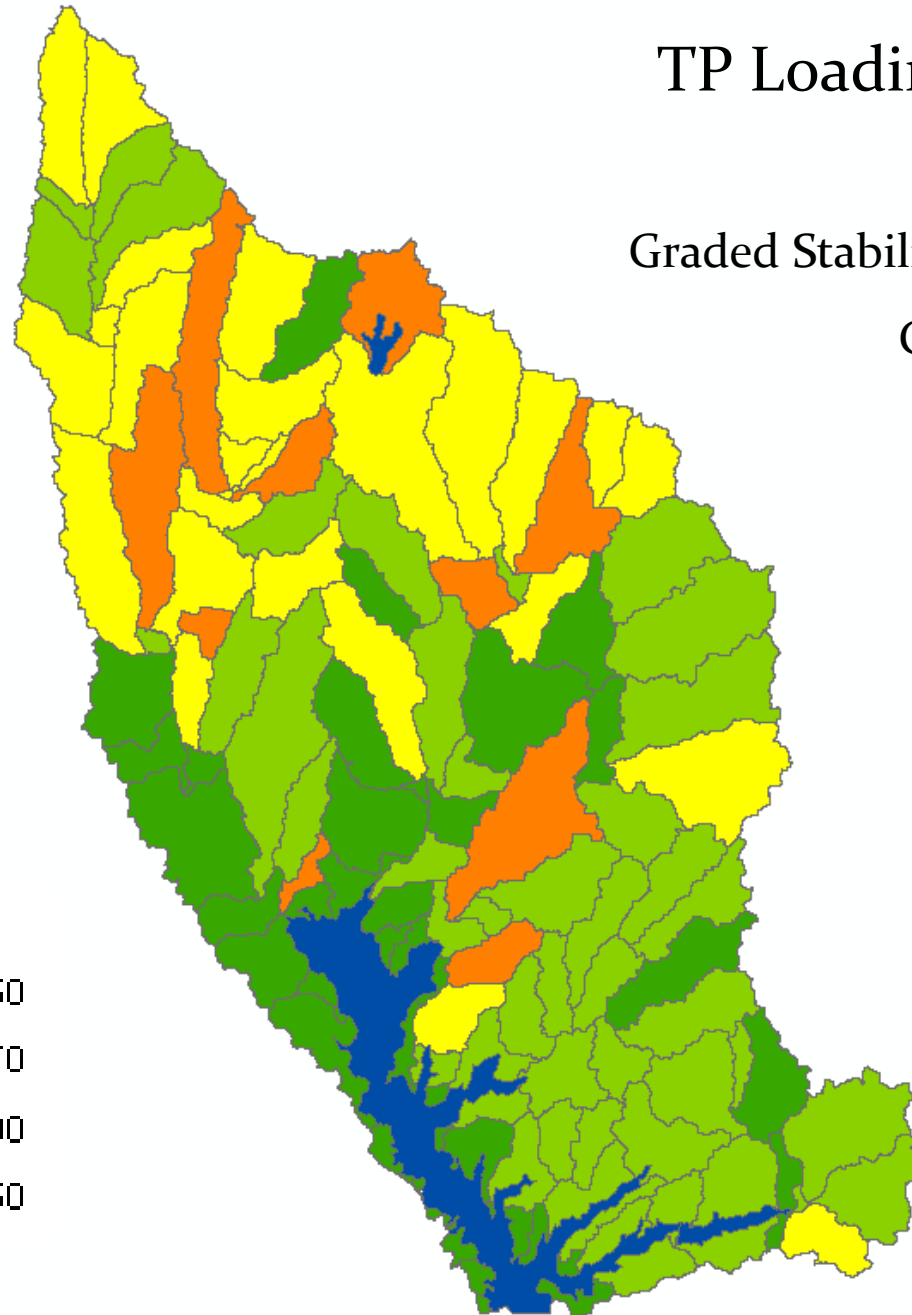
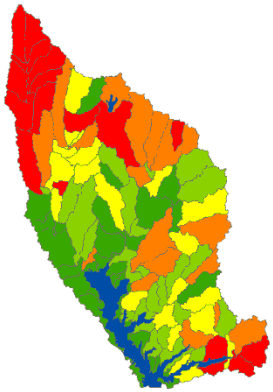
TP Loading by 4 BMPs

Filter Strips

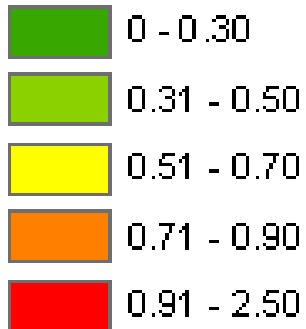
Graded Stabilization Structures

Grassed Waterway

Terrace



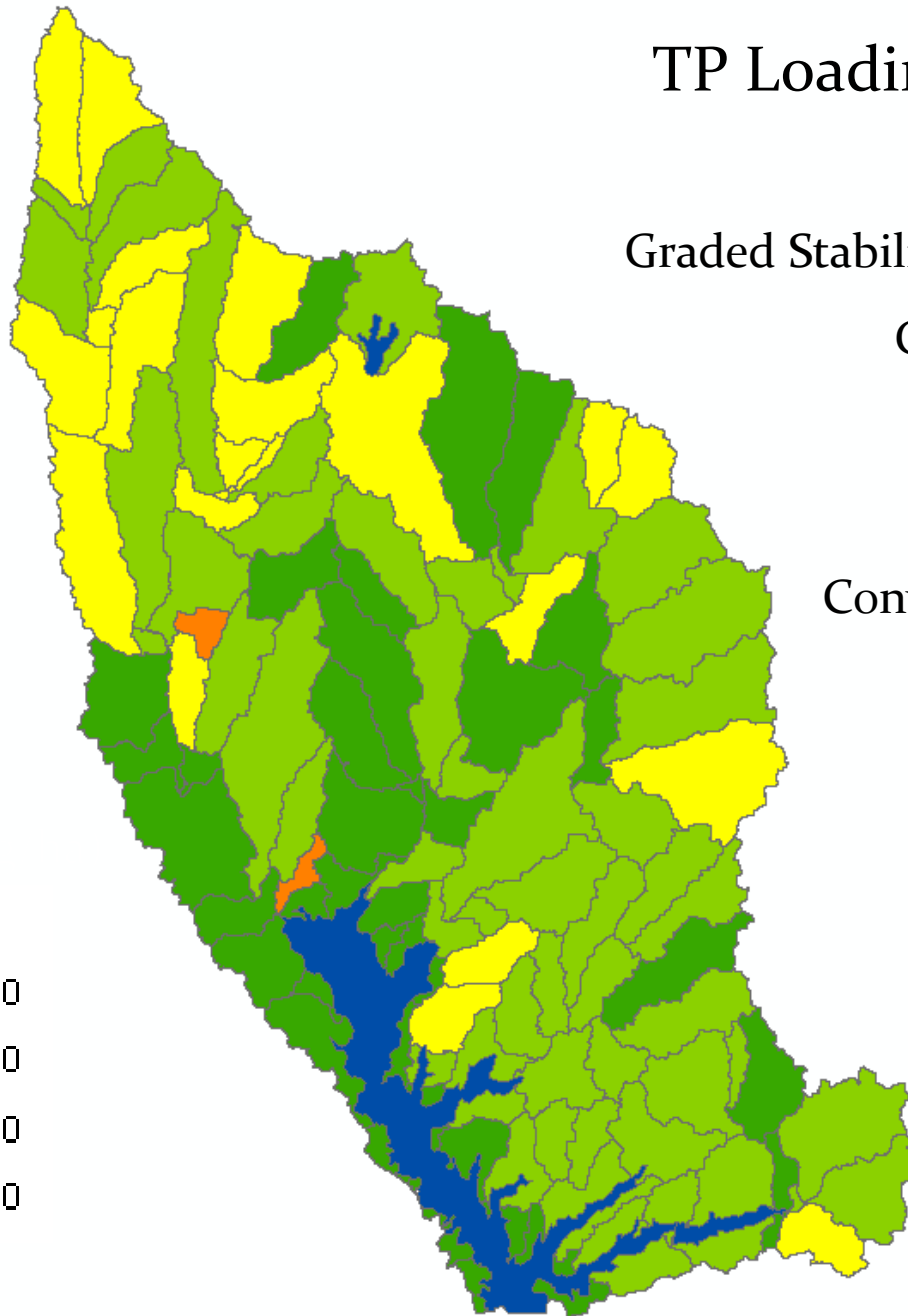
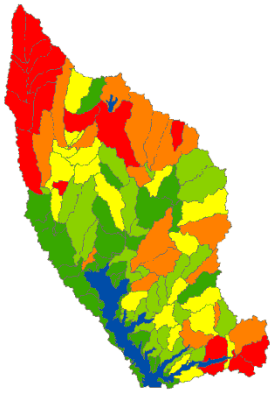
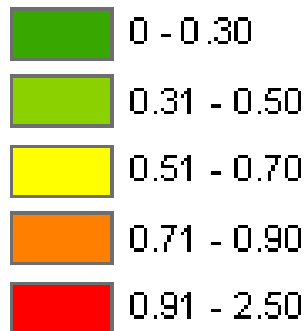
TP (t/ha)



TP Loading by 6 BMPs

- Filter Strips
- Graded Stabilization Structures
- Grassed Waterway
- Terrace
- WWTP
- Conversion to Pasture

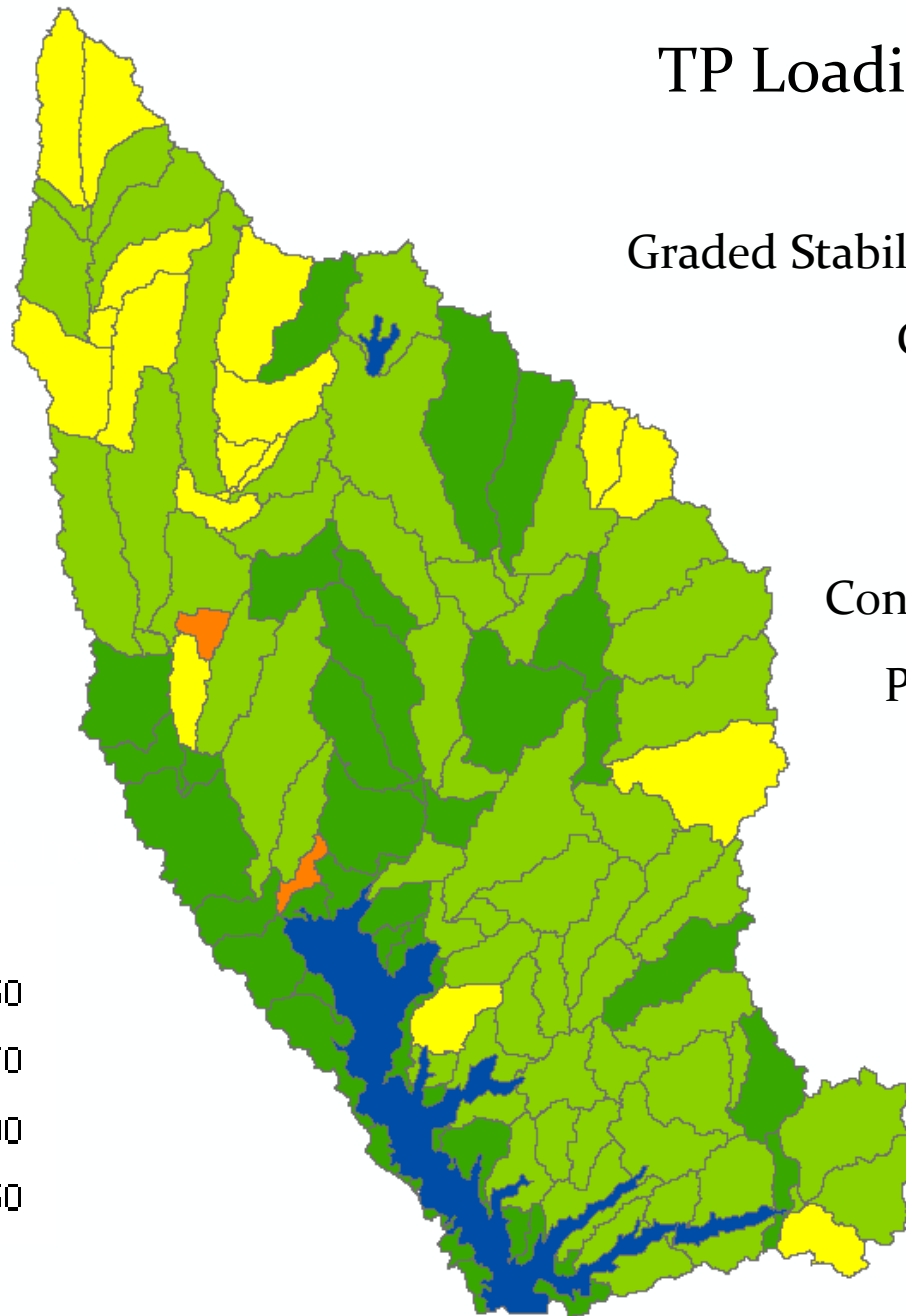
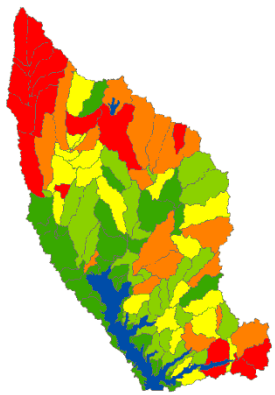
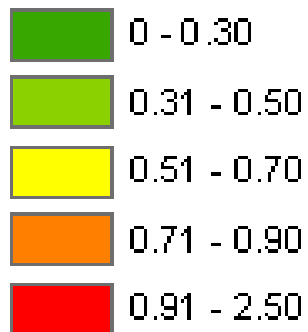
TP (t/ha)



TP Loading by 7 BMPs

- Filter Strips
- Graded Stabilization Structures
- Grassed Waterway
- Terrace
- WWTP
- Conversion to Pasture
- Prescribed Grazing

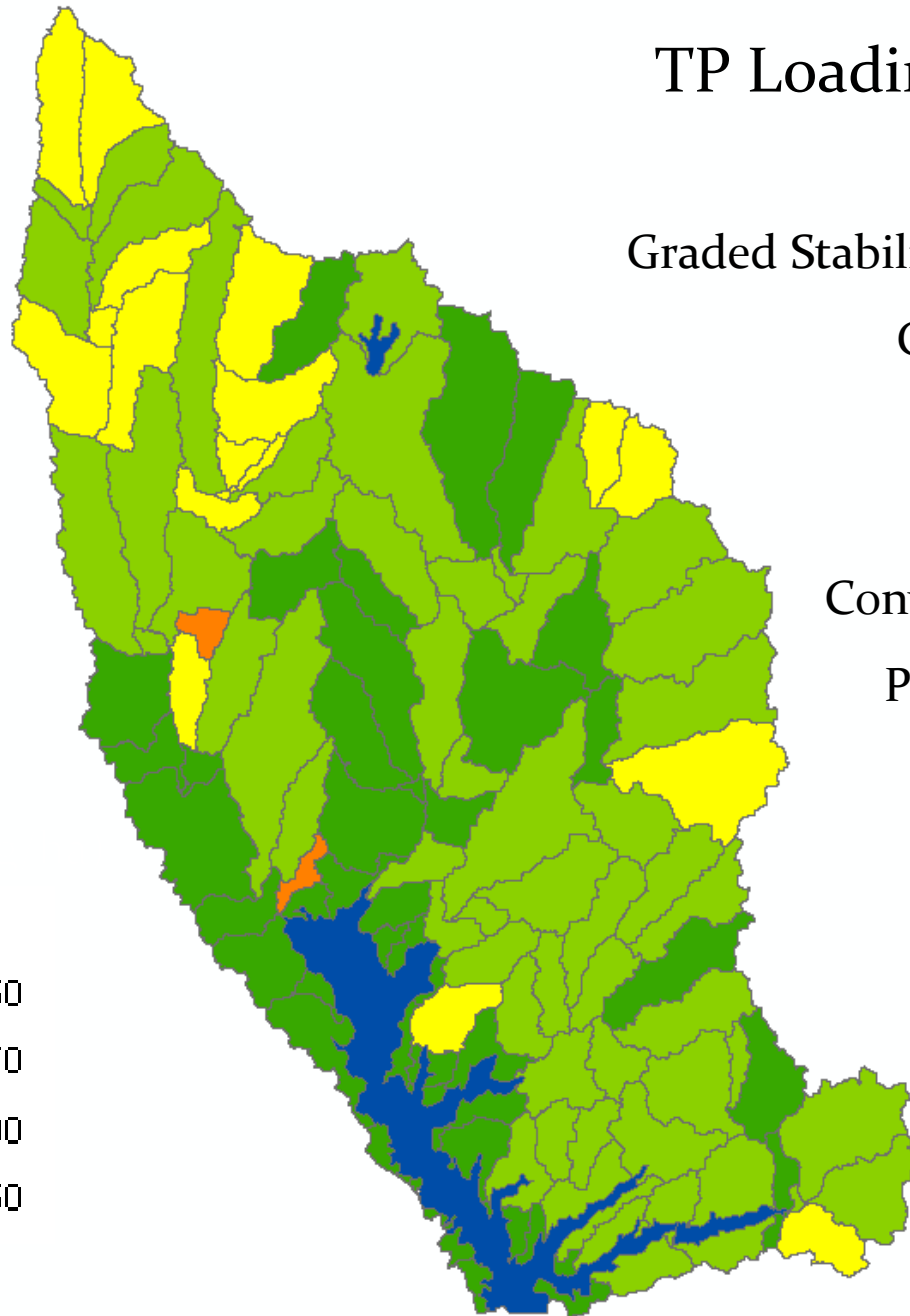
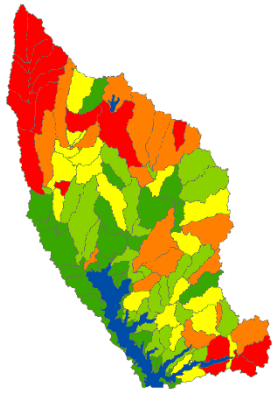
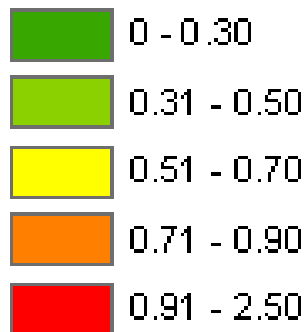
TP (t/ha)



TP Loading by 8 BMPs

- Filter Strips
- Graded Stabilization Structures
- Grassed Waterway
- Terrace
- WWTP
- Conversion to Pasture
- Prescribed Grazing
- 2000 Ft Buffer

TP (t/ha)



Questions?