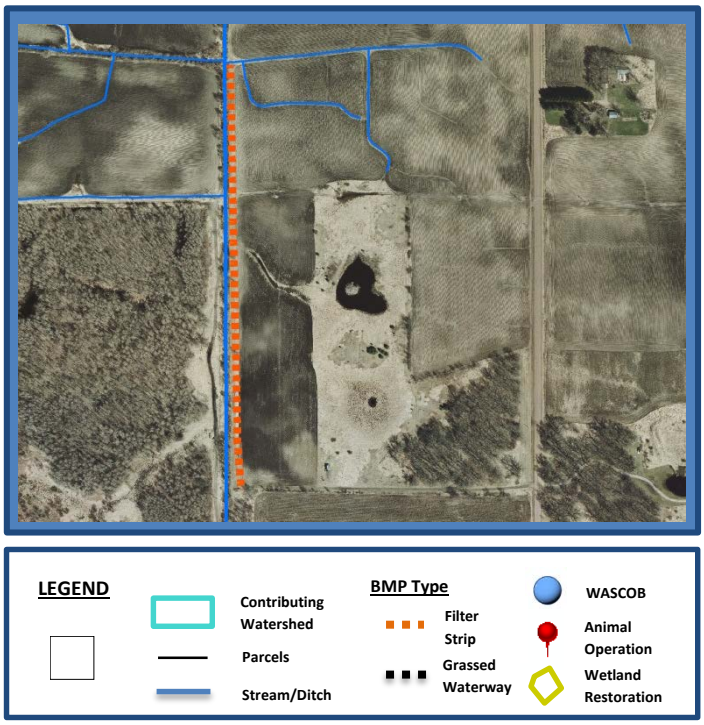
Rush Creek Watershed – Site # 119

Project Description

The area that drains to this agricultural drainage ditch is 64.7 acres and is made up of row crop fields and a wetland area.

BMP Recommendation

A 50 foot or greater filter strip should be installed along the agricultural drainage ditch. Habitat value could be increased more with a wider filter strip (up to 220 feet).



CATCHMENT SUMMARY	
Watershed Acres	64.7
Current Land Cover	Row Crop/Wetland
Number of Landowners	1
TP Reduction (lb/yr)	43.6
TSS Reduction (ton/yr)	28.7
Estimated Cost	$2,160.00
Cost/lb-TP	$4.96
Existing Habitat	1
Proposed Habitat	2
MODEL INPUTS	
Dominant Soil Type	346 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Filter Strip	43.6	28.7	700	64.8	2.3 %	0

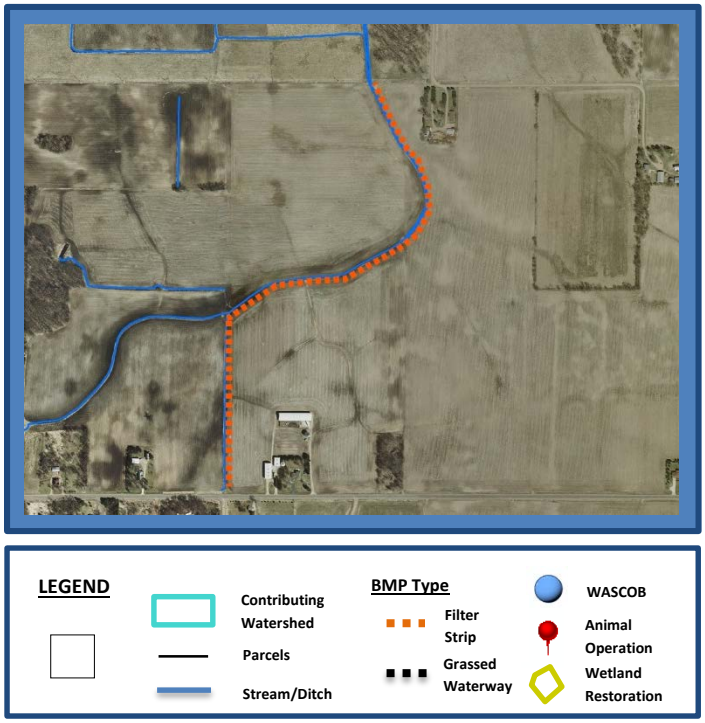
Rush Creek Watershed – Site # 127

Project Description

The area that drains to this agricultural drainage ditch is 113.7 acres and is made up of row crop fields. Little to no buffer currently exists.

BMP Recommendation

A 50 foot or greater filter strip should be installed along the agricultural drainage ditch. Habitat value could be increased more with a wider filter strip (up to 220 feet).



CATCHMENT SUMMARY	
Watershed Acres	113.7
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	79.3
TSS Reduction (ton/yr)	52.0
Estimated Cost	$4,092.00
Cost/lb-TP	$5.16
Existing Habitat	1
Proposed Habitat	2
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Filter Strip	79.3	52.0	3500	113.7	2.1 %	0

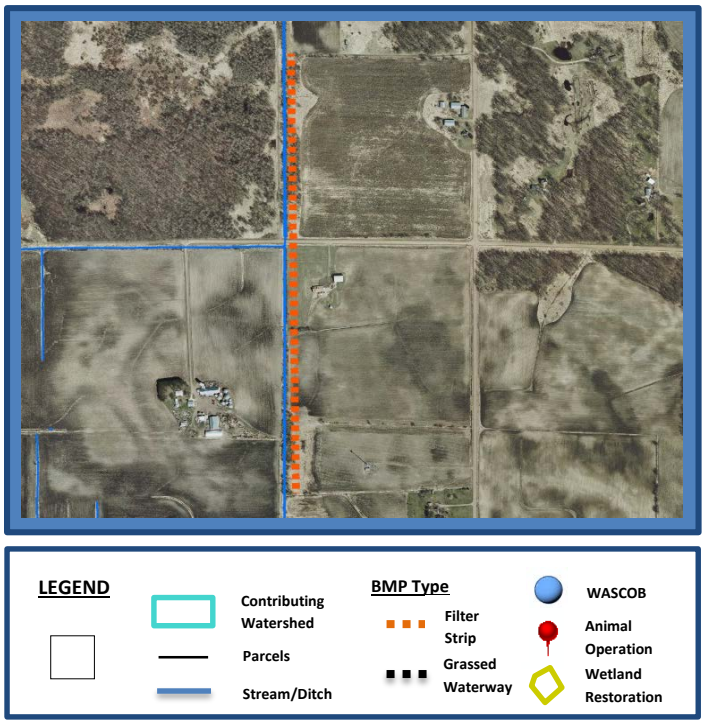
Rush Creek Watershed – Site # 120

Project Description

The area that drains to this agricultural drainage ditch is 84.0 acres and is made up of row crop fields. A road splits the filter strip area.

BMP Recommendation

A 50 foot or greater filter strip should be installed along the agricultural drainage ditch. Habitat value could be increased more with a wider filter strip (up to 220 feet).



CATCHMENT SUMMARY	
Watershed Acres	84.0
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	65.0
TSS Reduction (ton/yr)	43.9
Estimated Cost	$3,720.00
Cost/lb-TP	$5.73
Existing Habitat	1
Proposed Habitat	2
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Filter Strip	65.0	43.9	2960	84.0	2.4 %	0

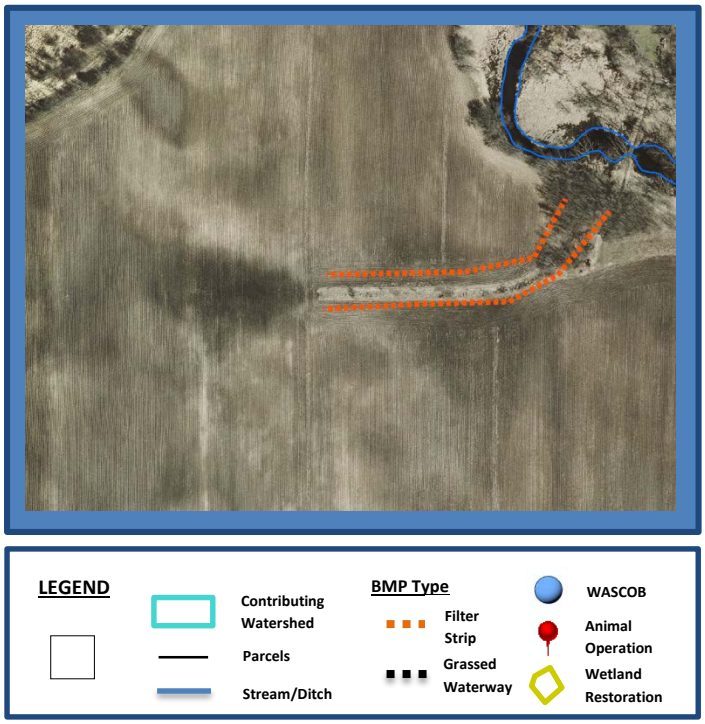
Rush Creek Watershed – Site # 113

Project Description

The area that drains to this drainage ditch is 29.9 acres of row crop fields. This ditch empties directly into Rush Creek.

BMP Recommendation

A 50 foot or greater filter strip should be installed along the agricultural drainage ditch. Habitat value could be increased more with a wider filter strip (up to 220 feet). Making a wide filter strip could also help square up the field.



CATCHMENT SUMMARY	
Watershed Acres	29.9
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	23.7
TSS Reduction (ton/yr)	16.2
Estimated Cost	$2,082.00
Cost/lb-TP	$8.77
Existing Habitat	1
Proposed Habitat	3
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Filter Strip	43.6	28.7	700	64.8	2.3 %	0

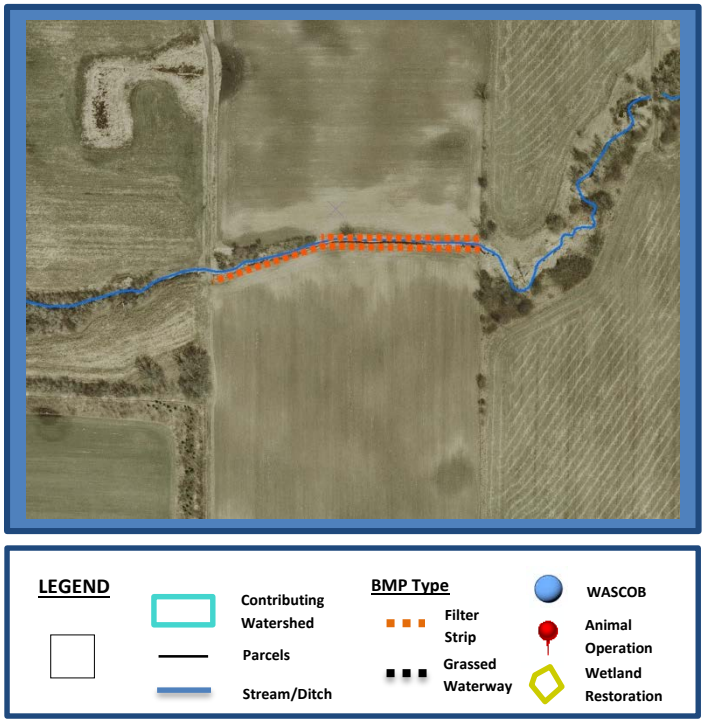
Rush Creek Watershed – Site # 104

Project Description

This area is a row crop field that has a drainage ditch/intermittent stream bisecting the field. There is a buffer along the stream both upstream and downstream.

BMP Recommendation

A 50 foot or greater filter strip should be installed along the agricultural drainage ditch. Habitat value could be increased more with a wider filter strip (up to 220 feet).



CATCHMENT SUMMARY	
Watershed Acres	34.7
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	35.2
TSS Reduction (ton/yr)	24.0
Estimated Cost	$2,058.00
Cost/lb-TP	$7.60
Existing Habitat	1
Proposed Habitat	2
MODEL INPUTS	
Dominant Soil Type	204B (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Filter Strip	35.2	24.0	1025	34.7	2.8 %	0

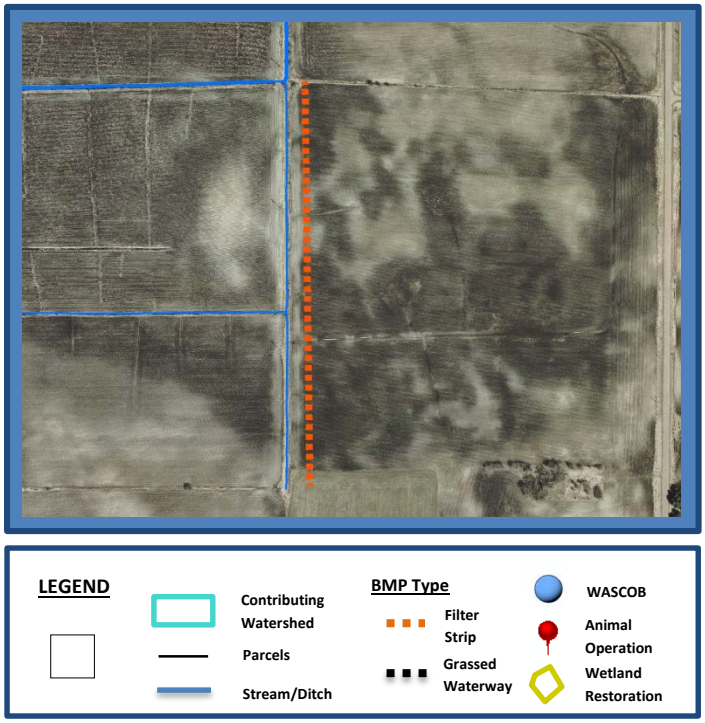
Rush Creek Watershed – Site # 118

Project Description

The area that drains to this agricultural drainage ditch is 52.9 acres and is made up of row crop fields. This area of the watershed is very heavily ditched and drained.

BMP Recommendation

A 50 foot or greater filter strip should be installed along the agricultural drainage ditch. Habitat value could be increased more with a wider filter strip (up to 220 feet).



CATCHMENT SUMMARY	
Watershed Acres	52.8
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	43.9
TSS Reduction (ton/yr)	30.2
Estimated Cost	$2,604.00
Cost/lb-TP	$5.93
Existing Habitat	1
Proposed Habitat	2
MODEL INPUTS	
Dominant Soil Type	204B (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Filter Strip	43.9	30.2	1340	52.8	2.3 %	0

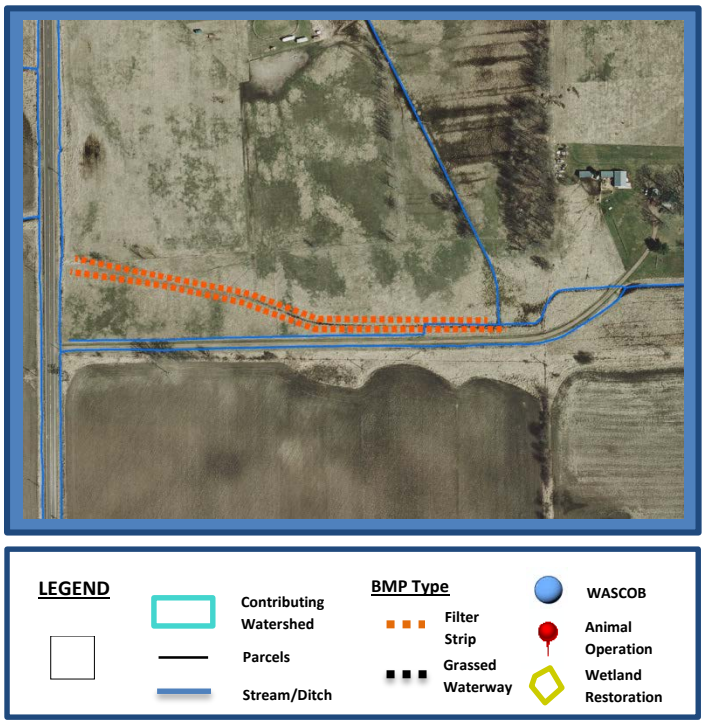
Rush Creek Watershed – Site # 112

Project Description

The area that drains to this agricultural drainage ditch is a 32.2 acre pasture.

BMP Recommendation

A 100 foot or greater filter strip should be installed along the agricultural drainage ditch. Habitat value could be increased more with a wider filter strip (up to 220 feet). A use exclusion fence may also be needed.



CATCHMENT SUMMARY	
Watershed Acres	32.2
Current Land Cover	Pasture
Number of Landowners	1
TP Reduction (lb/yr)	24.3
TSS Reduction (ton/yr)	16.2
Estimated Cost	$2,508.00
Cost/lb-TP	$10.32
Existing Habitat	1
Proposed Habitat	3
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Filter Strip	24.3	16.2	1200	32.2	2.2 %	0

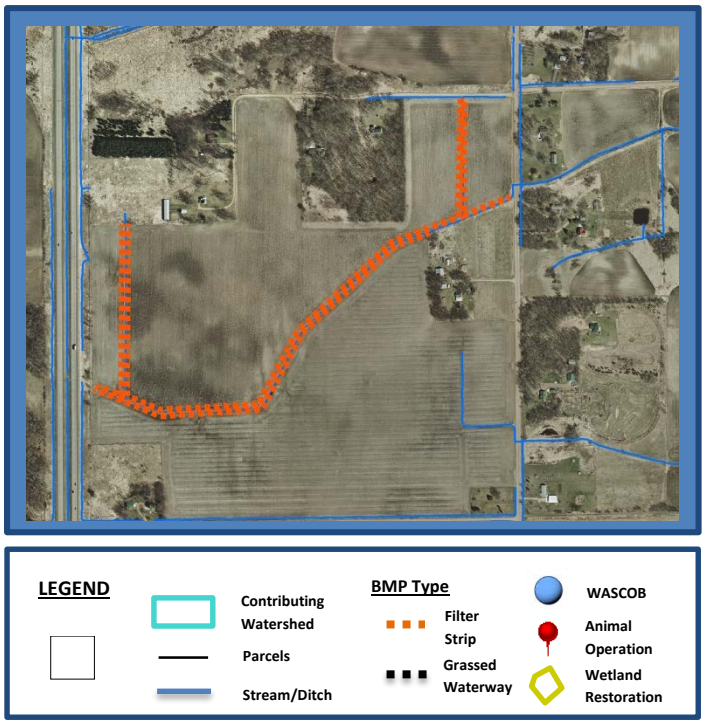
Rush Creek Watershed – Site # 108

Project Description

The area that drains to this agricultural drainage ditch is a 95.9 acre row crop field. The ditch runs through the middle of the entire field.

BMP Recommendation

A 50 foot or greater filter strip should be installed along the agricultural drainage ditch. Habitat value could be increased more with a wider filter strip (up to 220 feet).



CATCHMENT SUMMARY	
Watershed Acres	95.9
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	63.1
TSS Reduction (ton/yr)	39.8
Estimated Cost	$6,060.00
Cost/lb-TP	$9.60
Existing Habitat	1
Proposed Habitat	2
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Filter Strip	63.1	39.8	6420	95.9	1.7 %	0

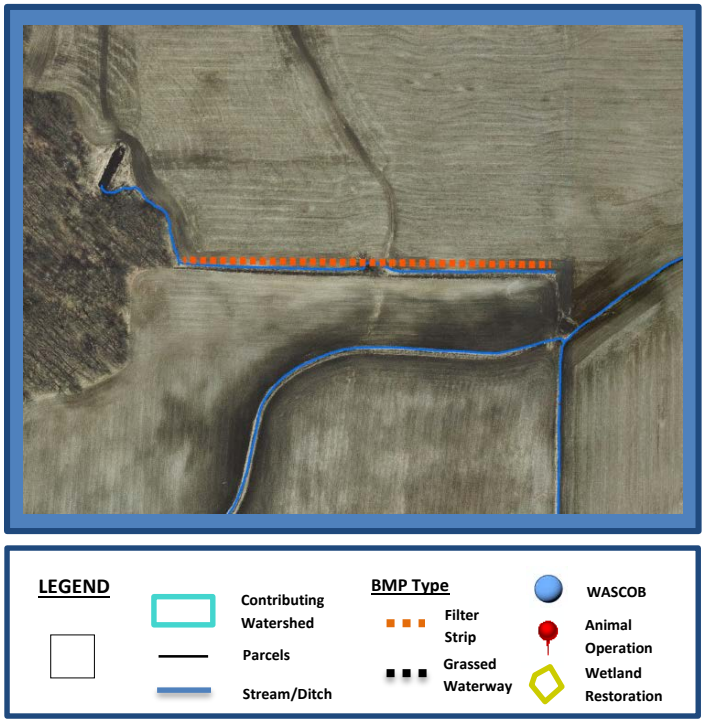
Rush Creek Watershed – Site # 125

Project Description

The area that drains to this agricultural drainage ditch is a 31.3 acre row crop field. The ditch connects to another ditch at the end of this ditch.

BMP Recommendation

A 50 foot or greater filter strip should be installed along the agricultural drainage ditch. Habitat value could be increased more with a wider filter strip (up to 220 feet).



CATCHMENT SUMMARY	
Watershed Acres	31.3
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	21.9
TSS Reduction (ton/yr)	14.4
Estimated Cost	$2,217.00
Cost/lb-TP	$10.10
Existing Habitat	1
Proposed Habitat	2
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Filter Strip	21.9	14.4	780	31.3	2.0 %	0

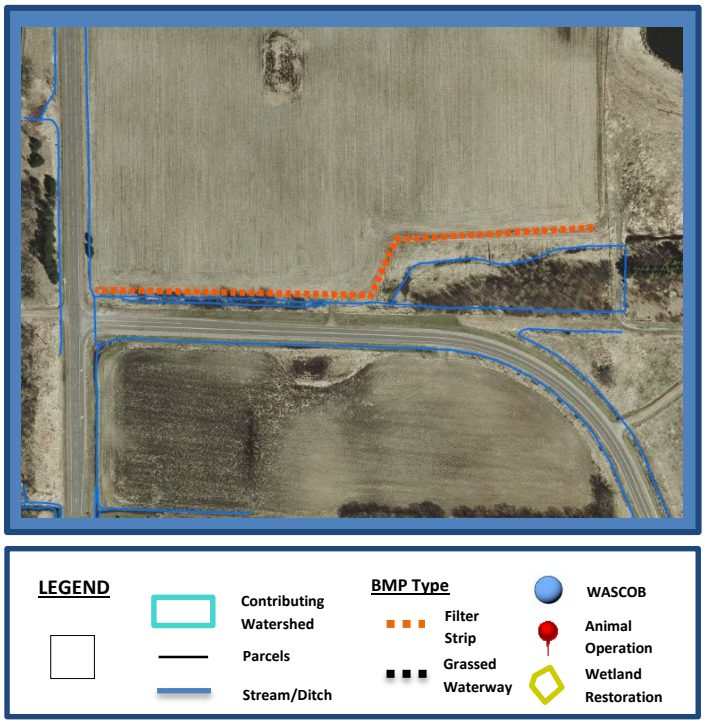
Rush Creek Watershed – Site # 106

Project Description

The area that drains to this agricultural drainage ditch is a 48.6 acre row crop field.

BMP Recommendation

A 50 foot or greater filter strip should be installed along the north side of this agricultural drainage ditch. Habitat value could be increased more with a wider filter strip (up to 220 feet).



CATCHMENT SUMMARY	
Watershed Acres	48.6
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	26.0
TSS Reduction (ton/yr)	16.1
Estimated Cost	$2,628.00
Cost/lb-TP	$10.12
Existing Habitat	1
Proposed Habitat	2
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	No

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Filter Strip	26.0	16.1	1375	48.6	2.2 %	0

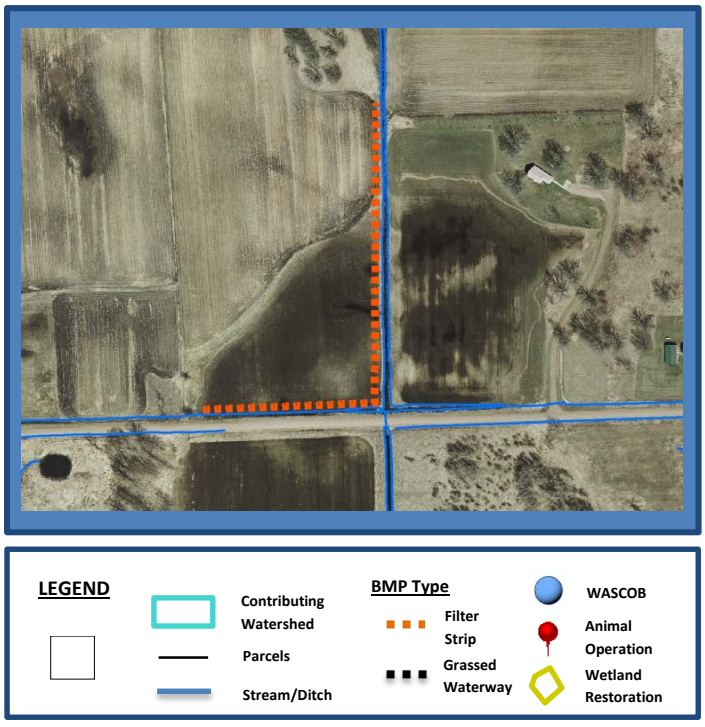
Rush Creek Watershed – Site # 105

Project Description

This area is comprised of an agricultural drainage ditch and a large road ditch. The area that drains to these drainage ditches is a 32.5 acre row crop field.

BMP Recommendation

A 50 foot or greater filter strip should be installed along the agricultural drainage ditch. Habitat value could be increased more with a wider filter strip (up to 220 feet).



CATCHMENT SUMMARY	
Watershed Acres	32.5
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	24.3
TSS Reduction (ton/yr)	16.4
Estimated Cost	$2,532.00
Cost/lb-TP	$10.44
Existing Habitat	1
Proposed Habitat	2
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Filter Strip	24.3	16.4	1240	32.5	2.4 %	0

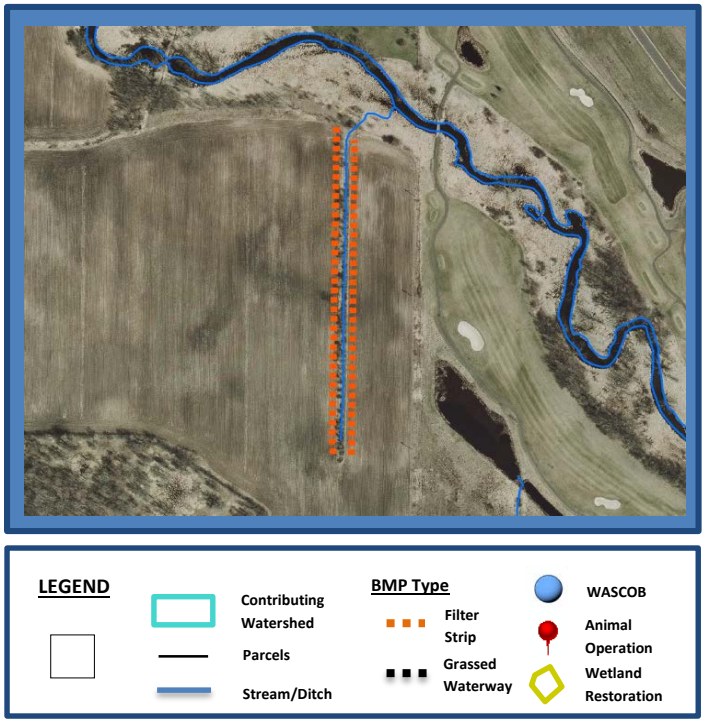
Rush Creek Watershed – Site # 114

Project Description

The area that drains to this agricultural drainage ditch is a 31.8 acre row crop field. The ditch runs through the middle of the entire field. This ditch drains directly into Rush Creek.

BMP Recommendation

A 50 foot or greater filter strip should be installed along the agricultural drainage ditch. Habitat value could be increased more with a wider filter strip (up to 220 feet). Both sides of the ditch should be buffered.



CATCHMENT SUMMARY	
Watershed Acres	31.8
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	25.3
TSS Reduction (ton/yr)	16.8
Estimated Cost	$3,048.00
Cost/lb-TP	$12.04
Existing Habitat	1
Proposed Habitat	2
MODEL INPUTS	
Dominant Soil Type	346 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Filter Strip	25.3	16.8	1990	31.8	2.2 %	0

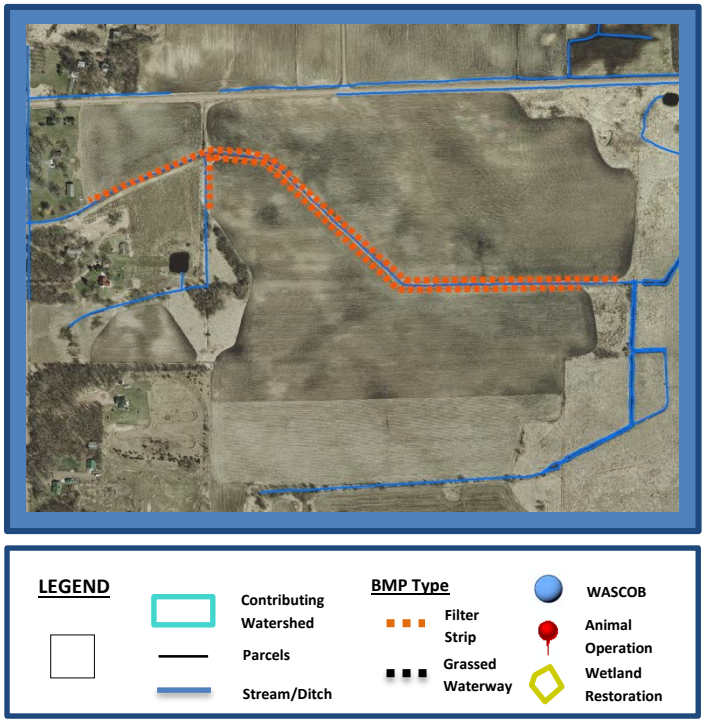
Rush Creek Watershed – Site # 110

Project Description

The area that drains to this agricultural drainage ditch is a 52.9 acre row crop field. The ditch runs through the middle of the entire field.

BMP Recommendation

A 50 foot or greater filter strip should be installed along the agricultural drainage ditch. Habitat value could be increased more with a wider filter strip (up to 220 feet). Both sides of the ditch should be buffered.



CATCHMENT SUMMARY	
Watershed Acres	52.9
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	41.7
TSS Reduction (ton/yr)	27.0
Estimated Cost	$5,316.00
Cost/lb-TP	$12.74
Existing Habitat	1
Proposed Habitat	2
MODEL INPUTS	
Dominant Soil Type	346 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Filter Strip	41.7	27.0	5280	52.9	1.9 %	0

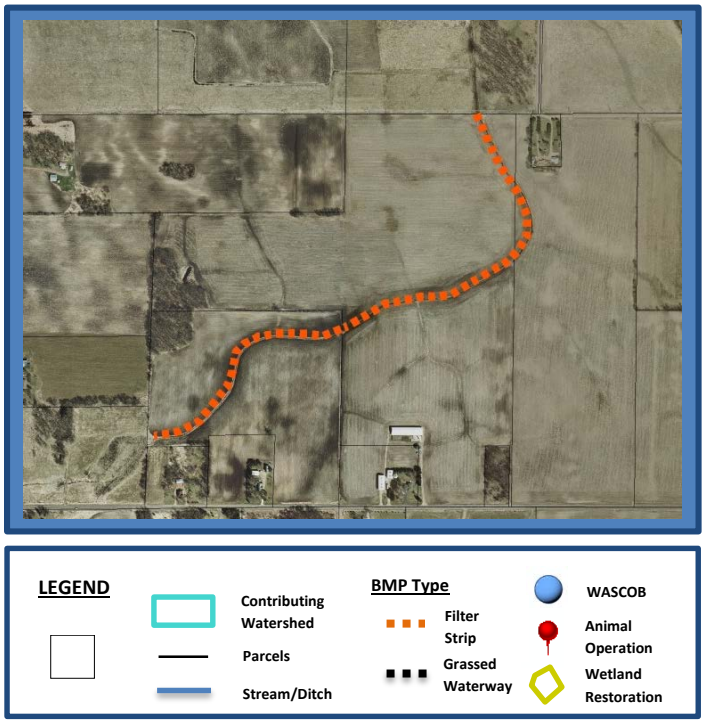
Rush Creek Watershed – Site # 126

Project Description

The area that drains to this agricultural drainage ditch is a 39.6 acre row crop field. The ditch runs through the middle of the entire field.

BMP Recommendation

A 50 foot or greater filter strip should be installed along the agricultural drainage ditch. Habitat value could be increased more with a wider filter strip (up to 220 feet). Both sides of the ditch should be buffered *see Filter Strip #127.



CATCHMENT SUMMARY	
Watershed Acres	39.6
Current Land Cover	Row Crop
Number of Landowners	2
TP Reduction (lb/yr)	32.9
TSS Reduction (ton/yr)	21.6
Estimated Cost	$4,416.00
Cost/lb-TP	$13.44
Existing Habitat	1
Proposed Habitat	2
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Filter Strip	32.9	21.6	3970	39.6	2.2 %	0

Rush Creek Watershed – Site # 116

Project Description

The area that drains to this agricultural drainage ditch is a 38.2 acre row crop field. This area is heavily ditched and drained.

BMP Recommendation

A 50 foot or greater filter strip should be installed along the agricultural drainage ditch. Habitat value could be increased more with a wider filter strip (up to 220 feet).

CATCHMENT SUMMARY	
Watershed Acres	38.2
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	32.2
TSS Reduction (ton/yr)	21.0
Estimated Cost	$4,590.00
Cost/lb-TP	$14.26
Existing Habitat	1
Proposed Habitat	2
MODEL INPUTS	
Dominant Soil Type	346 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Filter Strip	32.2	21.0	4225	38.2	2.1 %	0

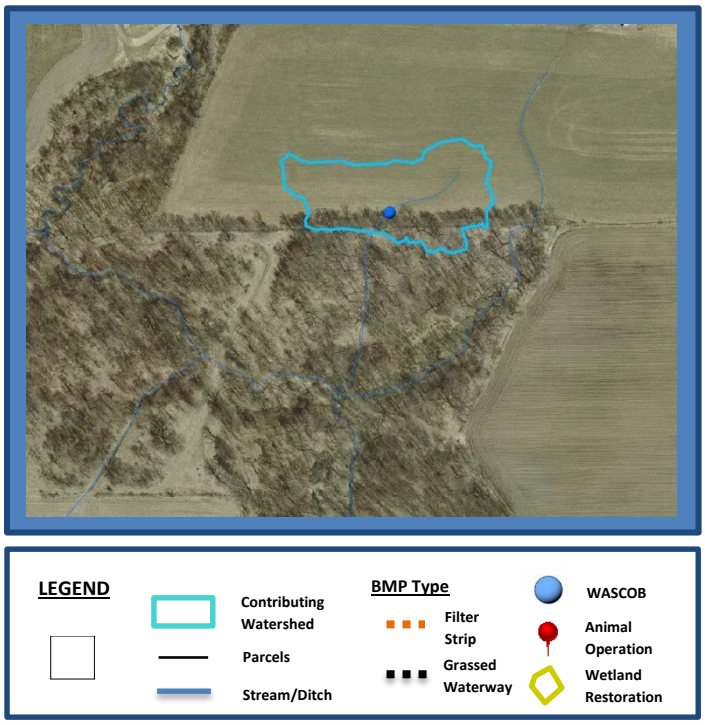
Rush Creek Watershed – Site # 25

Project Description

The area that drains to this edge of field gully is a 1.5 acre hay field.

BMP Recommendation

A WASCOB should be built at the edge of the field to prevent further erosion. If this field is converted from hay to row crop, the need for the BMP will increase.



CATCHMENT SUMMARY	
Watershed Acres	1.5
Current Land Cover	Hay
Number of Landowners	1
TP Reduction (lb/yr)	56.5
TSS Reduction (ton/yr)	56.5
Estimated Cost	$10,703.70
Cost/lb-TP	$18.96
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	204B (Loam)
Slopes > 6%	yes

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
WASCOB	56.5	56.5		1.5	3.9 %	105

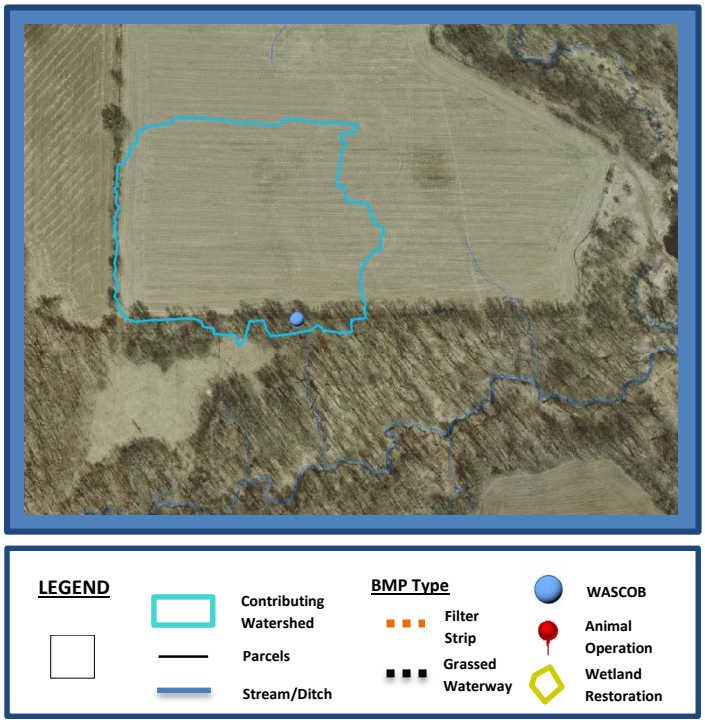
Rush Creek Watershed – Site # 28

Project Description

The area that drains to this edge of field gully is a 6.7 acre row crop field.

BMP Recommendation

A WASCOB should be built at the edge of the field to prevent further erosion.



CATCHMENT SUMMARY	
Watershed Acres	6.7
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	53.6
TSS Reduction (ton/yr)	53.6
Estimated Cost	$10,703.70
Cost/lb-TP	$19.99
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	yes

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
WASCOB	53.6	53.6		6.7	1.7 %	10

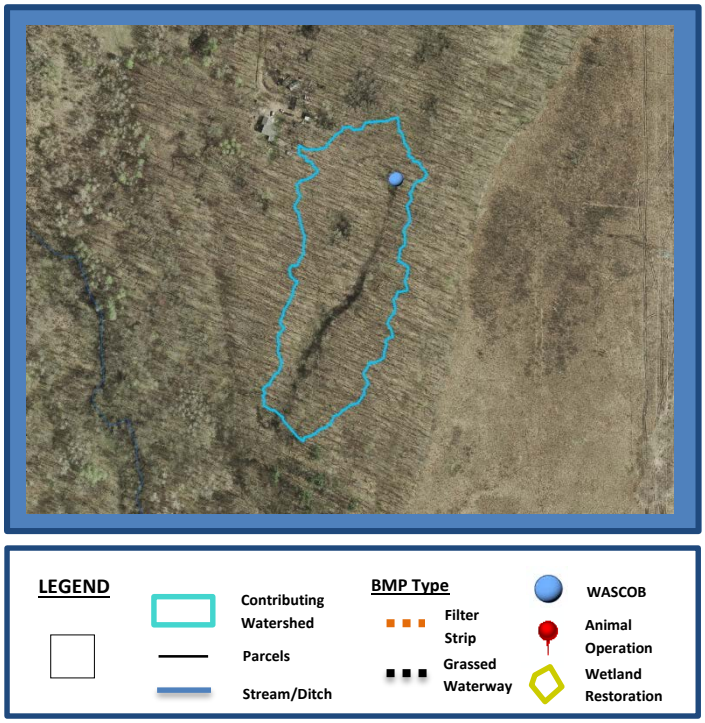
Rush Creek Watershed – Site # 43

Project Description

The area that drains to this gully is 6.2 acres of forest.

BMP Recommendation

A Grade Stabilization Structure should be built at the top of the gully to prevent further erosion.



CATCHMENT SUMMARY	
Watershed Acres	6.2
Current Land Cover	Forest
Number of Landowners	1
TP Reduction (lb/yr)	56.5
TSS Reduction (ton/yr)	56.5
Estimated Cost	$11,637.50
Cost/lb-TP	$20.62
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	119B (Loamy sand)
Slopes > 6%	yes

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Grade Stabilization Structure	56.5	56.5		6.2	5.1 %	625

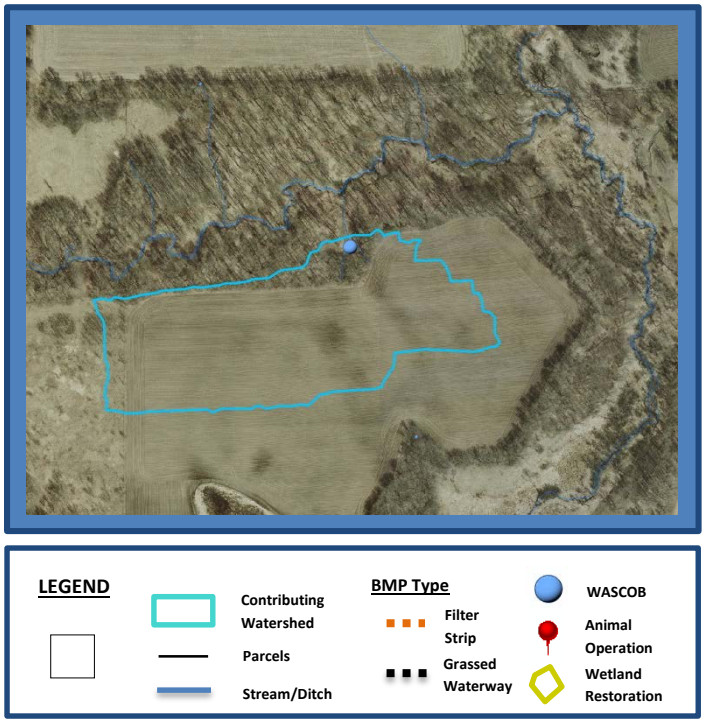
Rush Creek Watershed – Site # 31

Project Description

The area that drains to this edge of field gully is a 7.2 acre row crop field.

BMP Recommendation

A WASCOB should be built at the edge of the field to prevent further erosion.



CATCHMENT SUMMARY	
Watershed Acres	7.2
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	40.6
TSS Reduction (ton/yr)	40.6
Estimated Cost	$10,703.70
Cost/lb-TP	$26.38
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	346 (Loam)
Slopes > 6%	yes

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
WASCOB	40.6	40.6		7.2	2.6 %	10

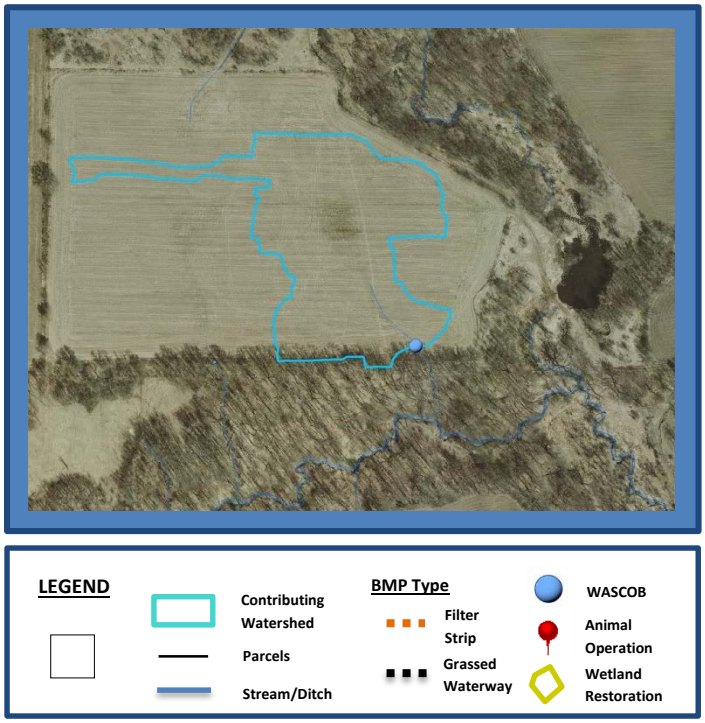
Rush Creek Watershed – Site # 27

Project Description

The area that drains to this edge of field gully is a 5.8 acre row crop field.

BMP Recommendation

A WASCOB should be built at the edge of the field to prevent further erosion.



CATCHMENT SUMMARY	
Watershed Acres	5.8
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	34.1
TSS Reduction (ton/yr)	34.1
Estimated Cost	$10,703.70
Cost/lb-TP	$31.44
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	yes

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
WASCOB	34.1	34.1		5.8	2.2 %	50

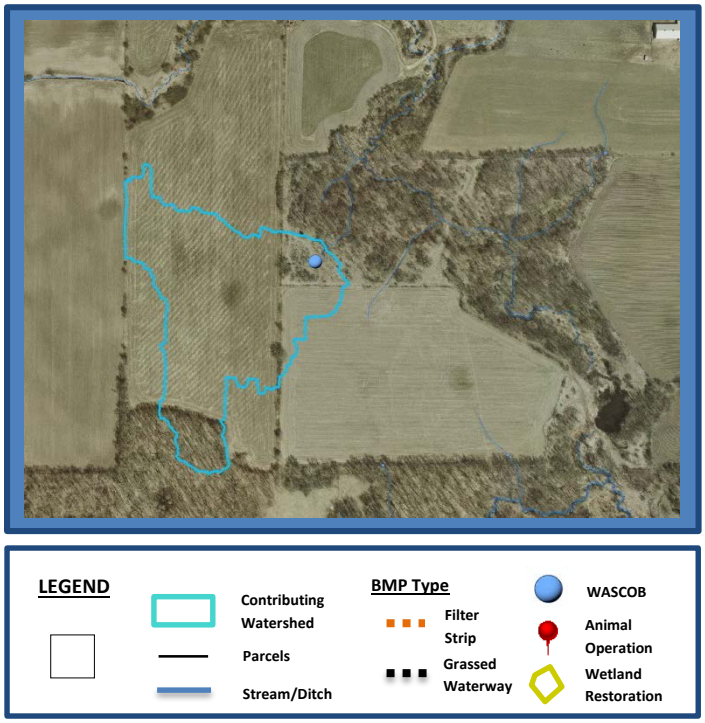
Rush Creek Watershed – Site # 29

Project Description

The area that drains to this edge of field gully is a 13.4 acre row crop field.

BMP Recommendation

A WASCOB should be built at the edge of the field to prevent further erosion.



CATCHMENT SUMMARY	
Watershed Acres	13.4
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	42.4
TSS Reduction (ton/yr)	42.4
Estimated Cost	$14,437.50
Cost/lb-TP	$34.09
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	346 (Loam)
Slopes > 6%	yes

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
WASCOB	42.4	42.4		13.4	1.6 %	10

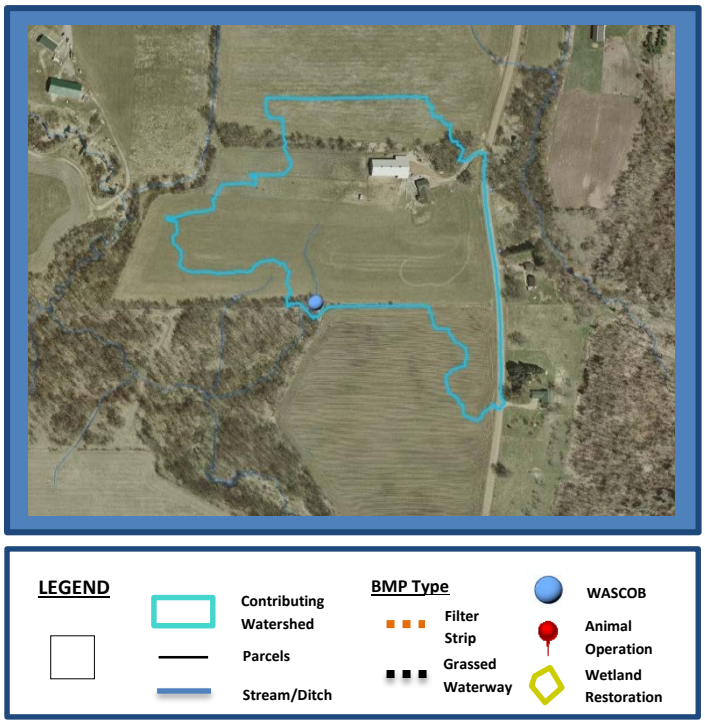
Rush Creek Watershed – Site # 24

Project Description

The area that drains to this edge of field gully is an 18.4 acre hay field.

BMP Recommendation

A WASCOB should be built at the edge of the field to prevent further erosion. If this field changes to row crop production, the need for the BMP greatly increases.



CATCHMENT SUMMARY	
Watershed Acres	18.4
Current Land Cover	Hay
Number of Landowners	1
TP Reduction (lb/yr)	40.3
TSS Reduction (ton/yr)	40.3
Estimated Cost	$14,437.50
Cost/lb-TP	$35.82
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	204B (Loam)
Slopes > 6%	yes

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
WASCOB	40.3	40.3		18.4	1.8 %	100

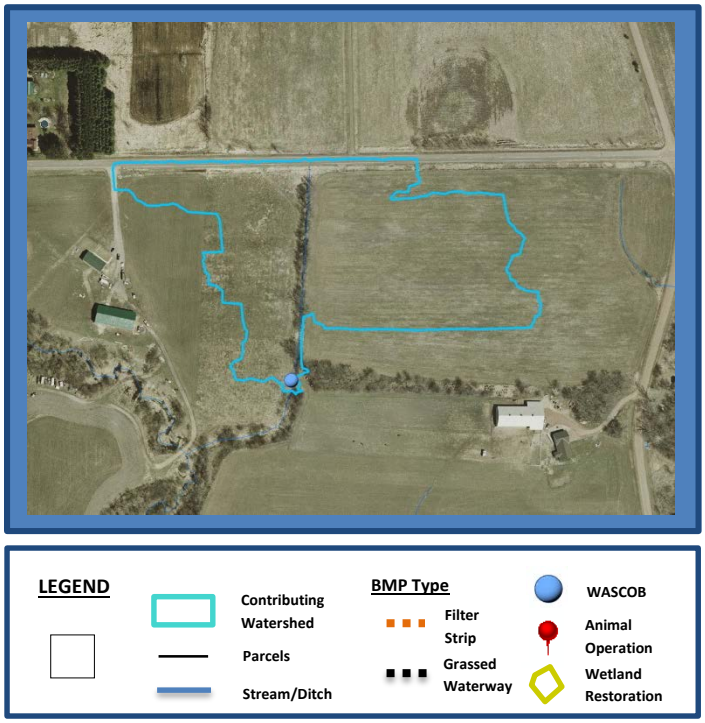
Rush Creek Watershed – Site # 20

Project Description

The area that drains to this edge of field gully is 11.9 acres of row crop and hay fields.

BMP Recommendation

A WASCOB should be built at the edge of the field to prevent further erosion.



CATCHMENT SUMMARY	
Watershed Acres	11.9
Current Land Cover	Row Crop/Hay
Number of Landowners	1
TP Reduction (lb/yr)	36.8
TSS Reduction (ton/yr)	36.8
Estimated Cost	$14,437.50
Cost/lb-TP	$39.23
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	yes

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
WASCOB	36.8	36.8		11.9	2.3 %	10

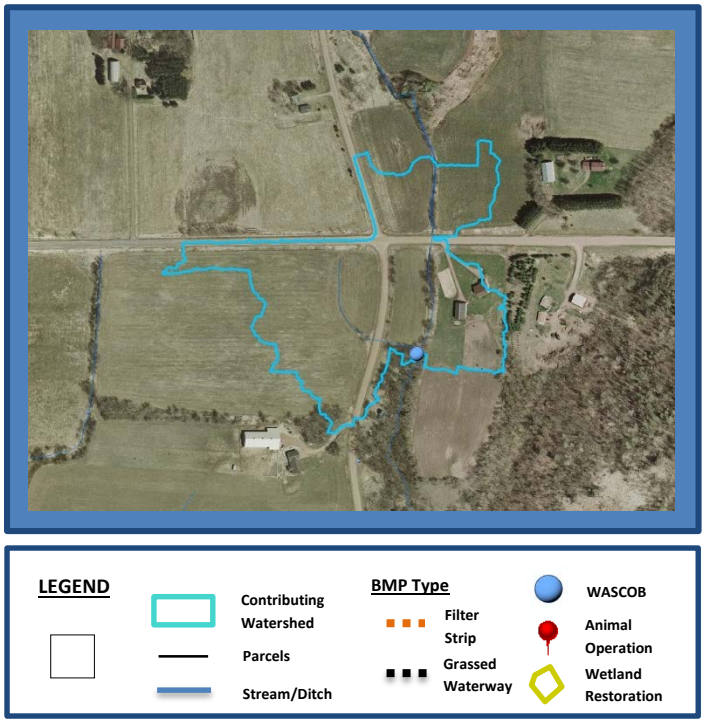
Rush Creek Watershed – Site # 21

Project Description

The area that drains to this edge of field gully is 16.5 acres of hay fields, lawn and pasture.

BMP Recommendation

A WASCOB should be built at the top of the gully to prevent further erosion.



CATCHMENT SUMMARY	
Watershed Acres	16.5
Current Land Cover	Hay/Lawn/Pasture
Number of Landowners	1
TP Reduction (lb/yr)	36.4
TSS Reduction (ton/yr)	36.4
Estimated Cost	$14,437.50
Cost/lb-TP	$39.63
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	346 (Loam)
Slopes > 6%	yes

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
WASCOB	36.4	36.4		16.5	2.9 %	3930

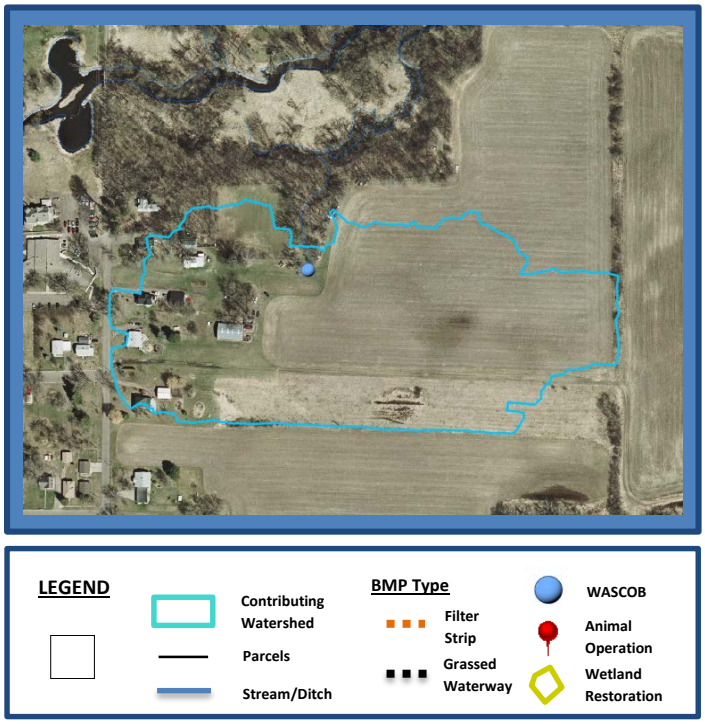
Rush Creek Watershed – Site # 45

Project Description

The area that drains to this edge of field gully is 14.0 acres of residential housing, lawns and row crop fields. This site drains directly into Rush Creek.

BMP Recommendation

A WASCOB should be built at the edge of the field to prevent further erosion.



CATCHMENT SUMMARY	
Watershed Acres	14.0
Current Land Cover	Row Crop/Residential
Number of Landowners	1
TP Reduction (lb/yr)	35.7
TSS Reduction (ton/yr)	35.7
Estimated Cost	$14,437.50
Cost/lb-TP	$40.44
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	yes

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
WASCOB	35.7	35.7		14.0	1.6 %	10

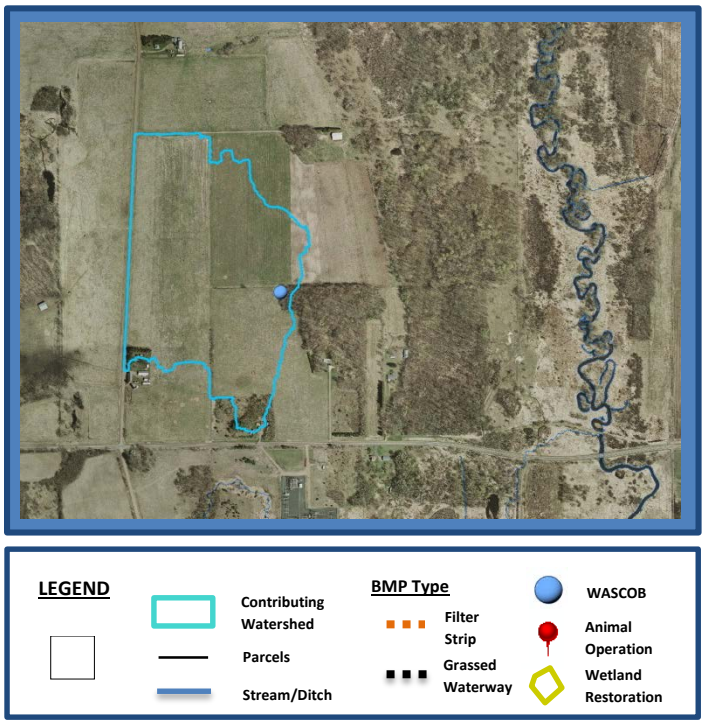
Rush Creek Watershed – Site # 50

Project Description

The area that drains to this edge of field gully is 61.9 acres of row crop and hay fields.

BMP Recommendation

A Grade Stabilization Structure should be built at the edge of the field to prevent further erosion. The cost of this BMP is high due to the large watershed size.



CATCHMENT SUMMARY	
Watershed Acres	61.9
Current Land Cover	Row Crop/Hay
Number of Landowners	1
TP Reduction (lb/yr)	106.8
TSS Reduction (ton/yr)	106.8
Estimated Cost	$45,625.00
Cost/lb-TP	$42.73
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	204B (Loam)
Slopes > 6%	yes

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Grade Stabilization Structure	106.8	106.8		61.9	1.0 %	2200

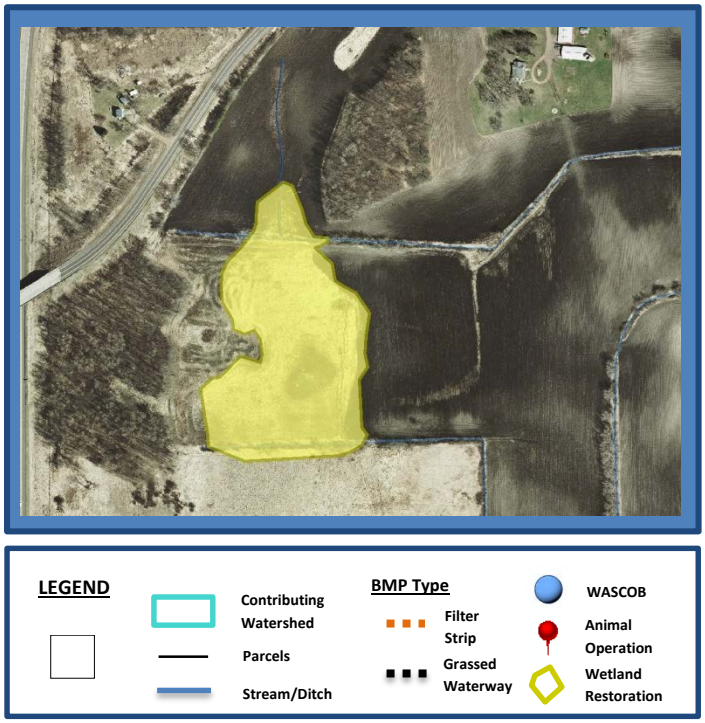
Rush Creek Watershed – Site # 159

Project Description

This area is currently farmed in row crops and heavily ditched. Hydric soils are present on this site. The field is adjacent to grassland and wooded areas.

BMP Recommendation

A Wetland Restoration should be installed by plugging the ditch and letting the hydrology return to the site. Native grasses and forbs should be planted for maximum habitat value. Depending on the goals of the landowner, there is potential for a much larger restoration.



CATCHMENT SUMMARY	
Watershed Acres	39.4
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	17.8
TSS Reduction (ton/yr)	9.5
Estimated Cost	$27,211.50
Cost/lb-TP	$153.13
Existing Habitat	1
Proposed Habitat	3
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	yes

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	BMP Area (acres)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Wetland Restoration	35.7	35.7	6.7	39.4	3.6 %	5000

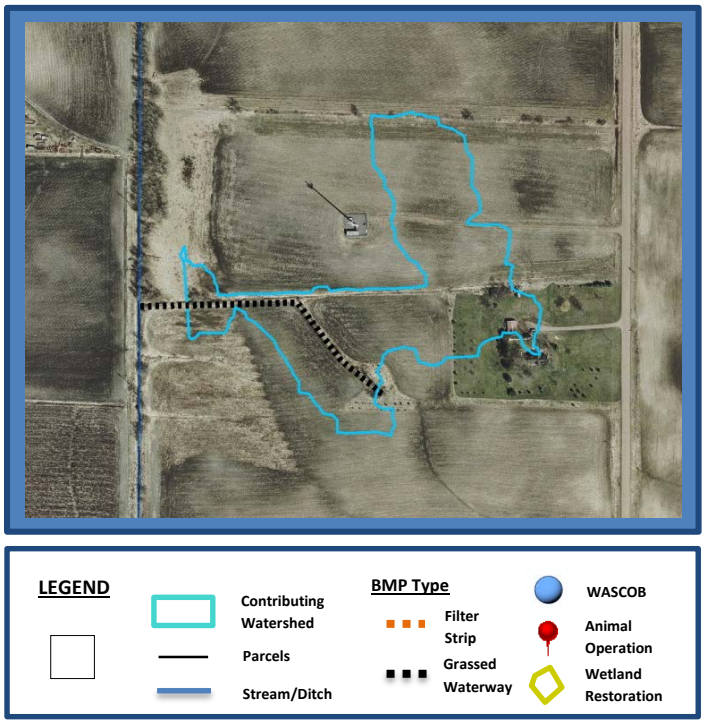
Rush Creek Watershed – Site # 100

Project Description

This area is currently farmed in row crops and heavily ditched. There are some areas that cannot be farmed through and currently have a channelized path of flowing water.

BMP Recommendation

A grassed waterway should be installed to provide an adequate channel for the flowing water. This BMP will reduce erosion and pollutant loading.



CATCHMENT SUMMARY	
Watershed Acres	7.3
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	11.3
TSS Reduction (ton/yr)	11.3
Estimated Cost	$6,425.00
Cost/lb-TP	$56.71
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Grassed Waterway	11.3	11.3	730	7.3	2.2 %	130

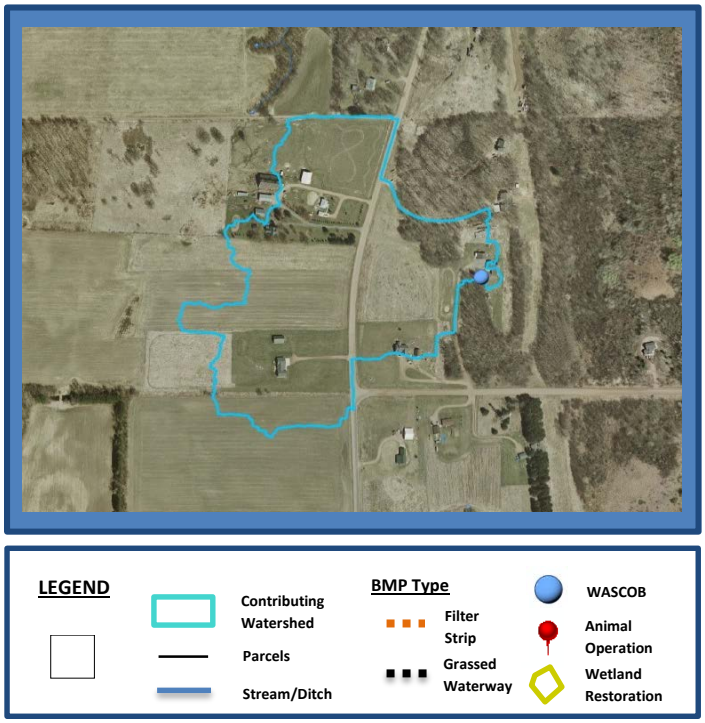
Rush Creek Watershed – Site # 38

Project Description

The area that drains to this gully is 29.6 acres of lawns, pasture and hay fields.

BMP Recommendation

A WASCOB should be built at the top of the gully to prevent further erosion.



CATCHMENT SUMMARY	
Watershed Acres	29.6
Current Land Cover	Hay/Lawn
Number of Landowners	1
TP Reduction (lb/yr)	37.6
TSS Reduction (ton/yr)	37.6
Estimated Cost	$21,406.25
Cost/lb-TP	$56.92
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	yes

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
WASCOB	37.6	37.6		29.6	2.4 %	2500

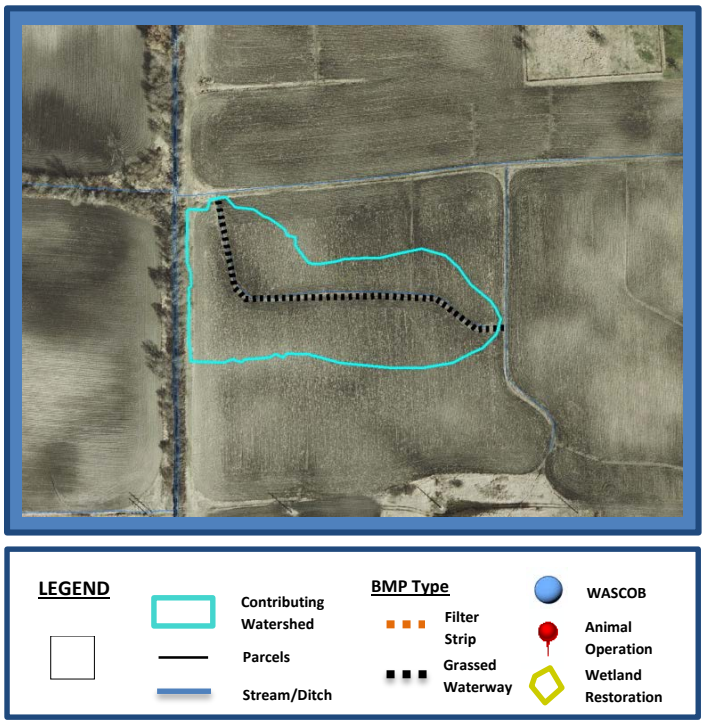
Rush Creek Watershed – Site # 75

Project Description

This area is currently farmed in row crops. Areas in this field have concentrated flow paths.

BMP Recommendation

A grassed waterway should be installed to provide an adequate channel for the flowing water. This BMP will reduce erosion and pollutant loading.



CATCHMENT SUMMARY	
Watershed Acres	1.5
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	6.2
TSS Reduction (ton/yr)	6.2
Estimated Cost	$3,792.50
Cost/lb-TP	$61.67
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Grassed Waterway	6.2	6.2	325	1.5	2.8 %	50

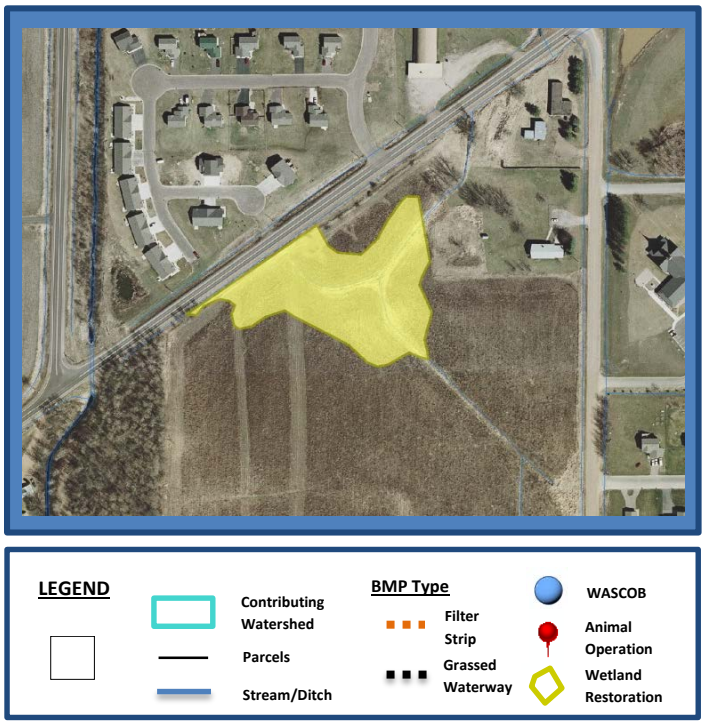
Rush Creek Watershed – Site # 160

Project Description

This area is currently farmed in row crops and heavily ditched. Hydric soils are present on this site. The field is currently planted to row crops.

BMP Recommendation

A Wetland Restoration should be installed by plugging the ditch and letting the hydrology return to the site. Native grasses and forbs should be planted for maximum habitat value.



CATCHMENT SUMMARY	
Watershed Acres	15.0
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	7.1
TSS Reduction (ton/yr)	3.8
Estimated Cost	$13,204.50
Cost/lb-TP	$185.20
Existing Habitat	1
Proposed Habitat	3
MODEL INPUTS	
Dominant Soil Type	346 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	BMP Area (acres)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Wetland Restoration	7.1	3.8	2.6	15.0	3.6 %	2000

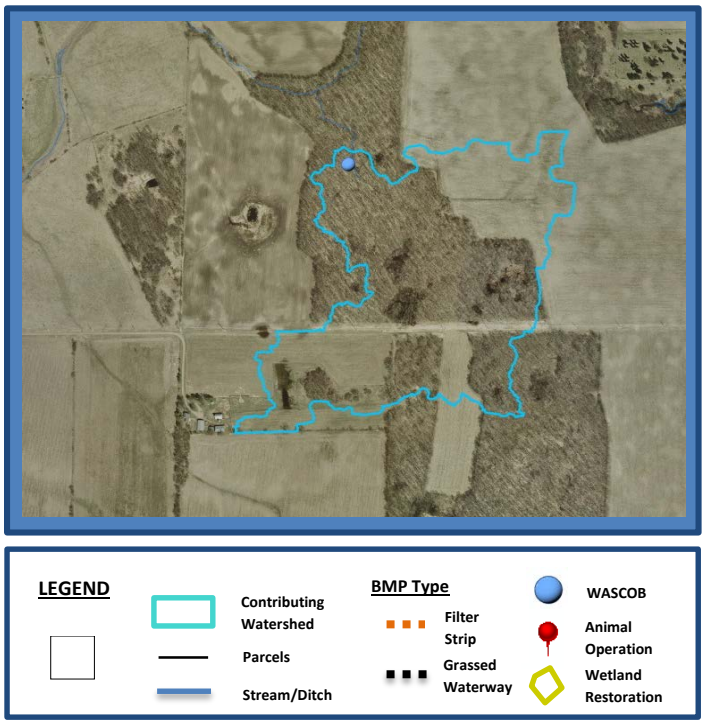
Rush Creek Watershed – Site # 51

Project Description

The area that drains to this gully is 53.3 acres of woods and fields.

BMP Recommendation

A Grade Stabilization Structure should be built at the top of the gully to prevent further erosion. The cost is high on this project due to the large watershed.



CATCHMENT SUMMARY	
Watershed Acres	53.3
Current Land Cover	Woods/Field
Number of Landowners	1
TP Reduction (lb/yr)	65.3
TSS Reduction (ton/yr)	65.3
Estimated Cost	$45,625.00
Cost/lb-TP	$69.89
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	722 (Loam)
Slopes > 6%	yes

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Grade Stabilization Structure	65.3	65.3		53.3	0.5 %	10

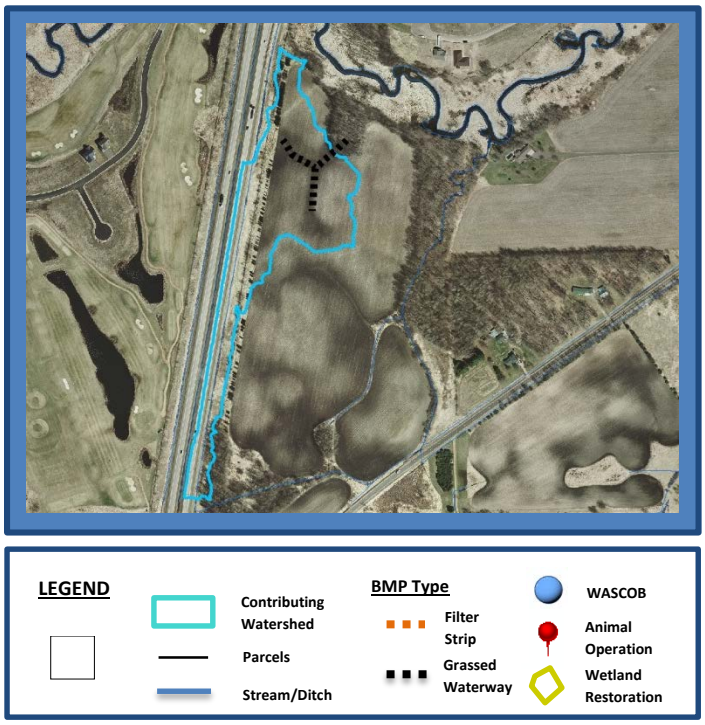
Rush Creek Watershed – Site # 63

Project Description

This area is currently farmed in row crops. Areas in this field have concentrated flow paths.

BMP Recommendation

A grassed waterway should be installed to provide an adequate channel for the flowing water. This BMP will reduce erosion and pollutant loading.



CATCHMENT SUMMARY	
Watershed Acres	11.8
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	8.3
TSS Reduction (ton/yr)	8.3
Estimated Cost	$5,905.00
Cost/lb-TP	$70.97
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	75 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Grassed Waterway	8.3	8.3	650	11.8	2.6 %	330

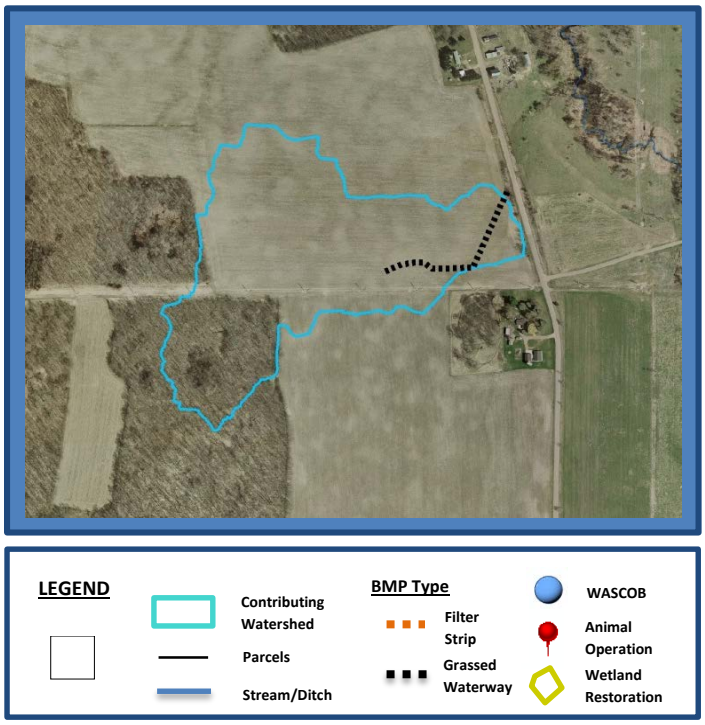
Rush Creek Watershed – Site # 84

Project Description

This area is currently farmed in row crops. Areas in this field have concentrated flow paths.

BMP Recommendation

A grassed waterway should be installed to provide an adequate channel for the flowing water. This area is plowed through each year. This BMP will reduce erosion and pollutant loading. Adjacent to Site #83.



CATCHMENT SUMMARY	
Watershed Acres	28.4
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	9.8
TSS Reduction (ton/yr)	9.8
Estimated Cost	$7,270.00
Cost/lb-TP	$74.18
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Grassed Waterway	9.8	9.8	860	28.4	2.7 %	580

Rush Creek Watershed – Site # 62

Project Description

This area is currently farmed in row crops. Areas in this field have concentrated flow paths.

BMP Recommendation

A grassed waterway should be installed to provide an adequate channel for the flowing water. This BMP will reduce erosion and pollutant loading. This area outlets very near Rush Creek.

CATCHMENT SUMMARY	
Watershed Acres	14.1
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	6.2
TSS Reduction (ton/yr)	6.2
Estimated Cost	$4,800.00
Cost/lb-TP	$77.67
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Grassed Waterway	6.2	6.2	325	14.1	2.8 %	50

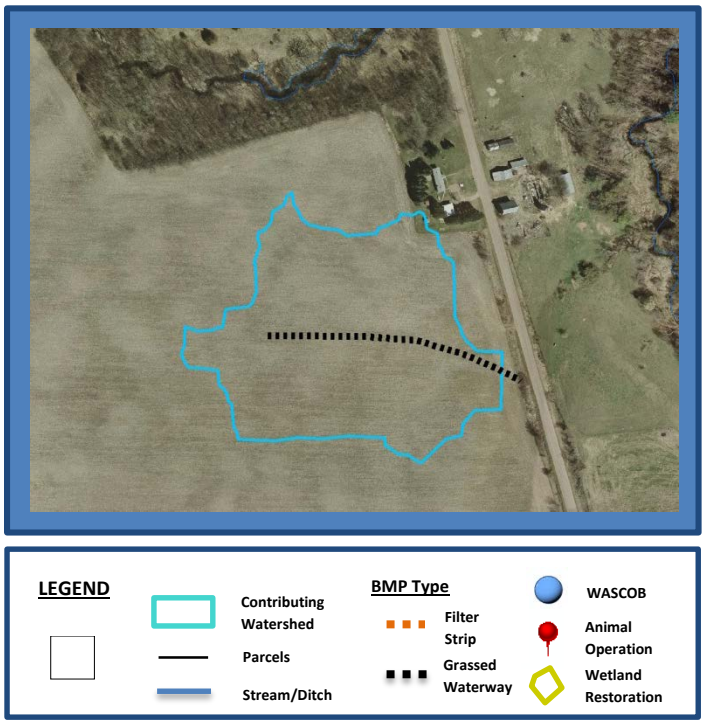
Rush Creek Watershed – Site # 83

Project Description

This area is currently farmed in row crops. Areas in this field have concentrated flow paths.

BMP Recommendation

A grassed waterway should be installed to provide an adequate channel for the flowing water. This BMP will reduce erosion and pollutant loading. This area is plowed through each year. Adjacent to Site #84.



CATCHMENT SUMMARY	
Watershed Acres	8.3
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	7.2
TSS Reduction (ton/yr)	7.2
Estimated Cost	$5,775.00
Cost/lb-TP	$80.32
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Grassed Waterway	7.2	7.2	630	8.3	3.4 %	575

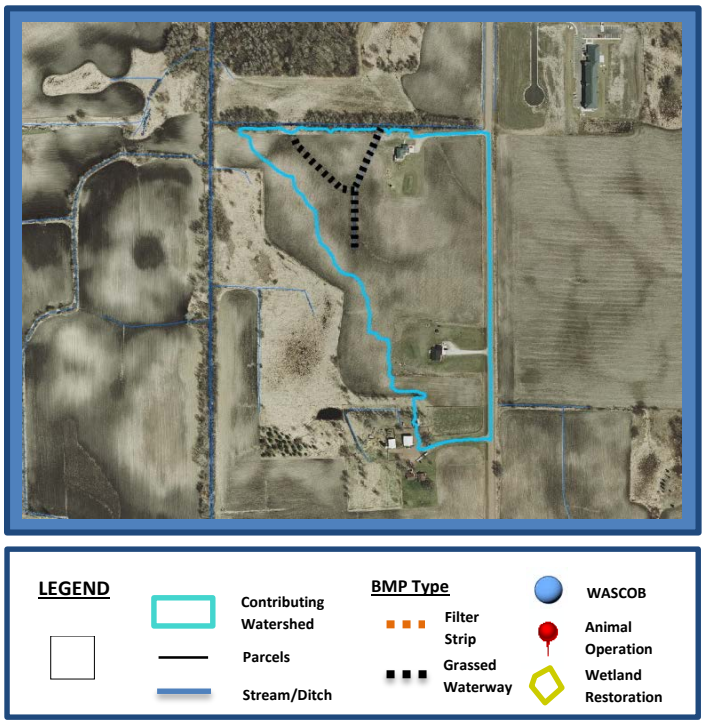
Rush Creek Watershed – Site # 69

Project Description

This area is currently farmed in row crops. Areas in this field have concentrated flow paths.

BMP Recommendation

A grassed waterway should be installed to provide an adequate channel for the flowing water. This BMP will reduce erosion and pollutant loading.



CATCHMENT SUMMARY	
Watershed Acres	23.7
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	6.1
TSS Reduction (ton/yr)	6.1
Estimated Cost	$5,775.00
Cost/lb-TP	$91.78
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	346 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Grassed Waterway	6.1	6.1	600	23.7	2.6 %	1020

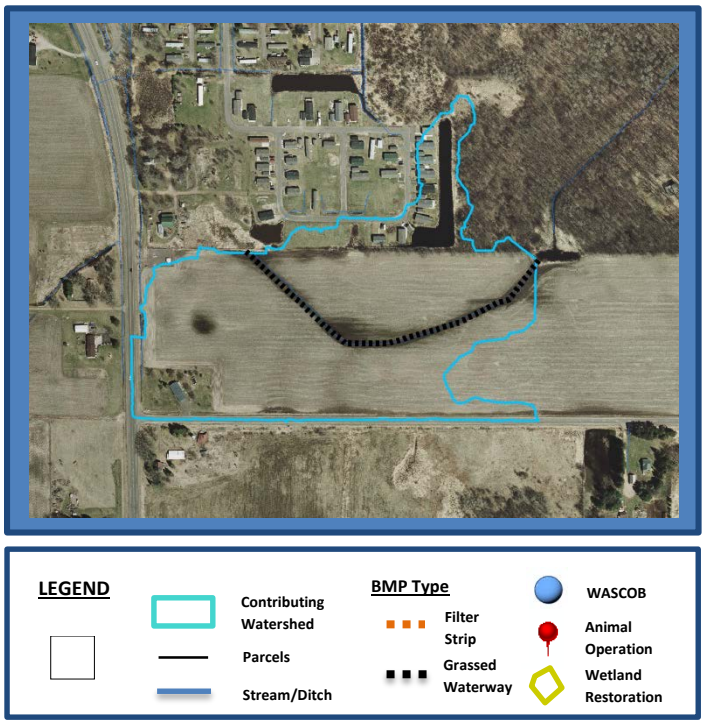
Rush Creek Watershed – Site # 68

Project Description

This area is currently farmed in row crops. Areas in this field have concentrated flow paths.

BMP Recommendation

A grassed waterway should be installed to provide an adequate channel for the flowing water. This BMP will reduce erosion and pollutant loading.



CATCHMENT SUMMARY	
Watershed Acres	26.5
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	11.4
TSS Reduction (ton/yr)	11.4
Estimated Cost	$10,780.00
Cost/lb-TP	$94.98
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	346 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Grassed Waterway	11.4	11.4	1400	26.5	2.3 %	3000

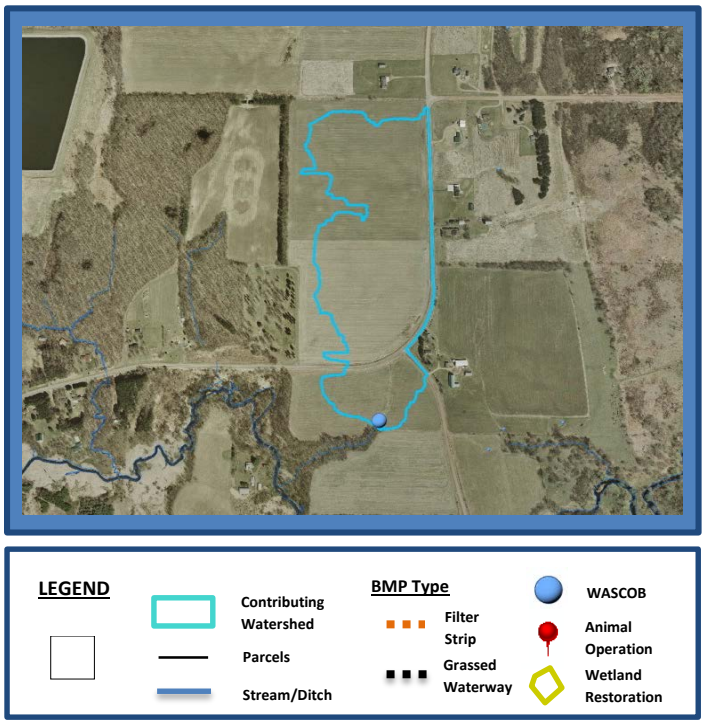
Rush Creek Watershed – Site # 39

Project Description

The area that drains to this gully is 43.5 acres of cropland.

BMP Recommendation

A Grade Stabilization Structure should be built at the top of the gully to prevent further erosion. The cost is high on this project due to the large watershed.



CATCHMENT SUMMARY	
Watershed Acres	43.5
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	47.3
TSS Reduction (ton/yr)	47.3
Estimated Cost	$45,625.00
Cost/lb-TP	$96.52
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	yes

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Grade Stabilization Structure	47.3	47.3		43.5	2.0 %	230

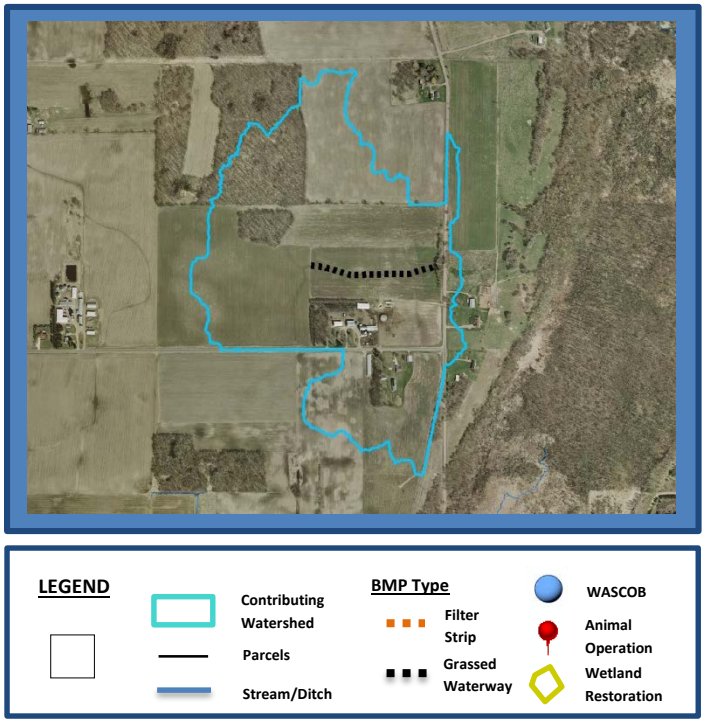
Rush Creek Watershed – Site # 86

Project Description

This area is currently farmed in row crops. The watershed also contains two home sites and a dairy operation. Areas in this field have concentrated flow paths.

BMP Recommendation

A grassed waterway should be installed to provide an adequate channel for the flowing water. This BMP will reduce erosion and pollutant loading.



CATCHMENT SUMMARY	
Watershed Acres	126.0
Current Land Cover	Row Crop/Feedlot
Number of Landowners	1
TP Reduction (lb/yr)	9.3
TSS Reduction (ton/yr)	9.3
Estimated Cost	$9,480.00
Cost/lb-TP	$102.27
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	204C (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Grassed Waterway	9.3	9.3	1200	126.0	2.8 %	3800

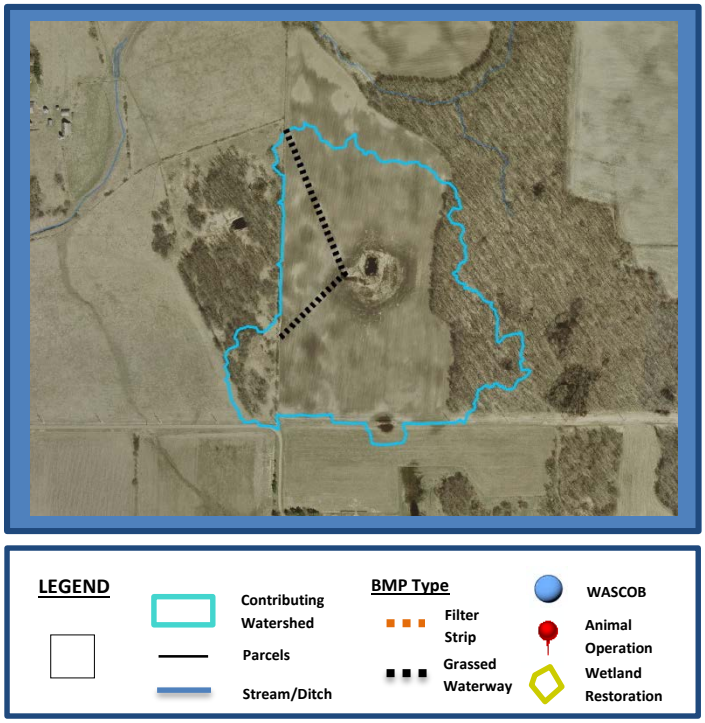
Rush Creek Watershed – Site # 80

Project Description

This area is currently farmed in row crops and includes a wetland area. Areas in this field have concentrated flow paths.

BMP Recommendation

A grassed waterway should be installed to provide an adequate channel for the flowing water. This BMP will reduce erosion and pollutant loading.



CATCHMENT SUMMARY	
Watershed Acres	30.1
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	8.8
TSS Reduction (ton/yr)	8.8
Estimated Cost	$9,480.00
Cost/lb-TP	$108.34
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Grassed Waterway	8.8	8.8	1200	30.1	1.7 %	5000

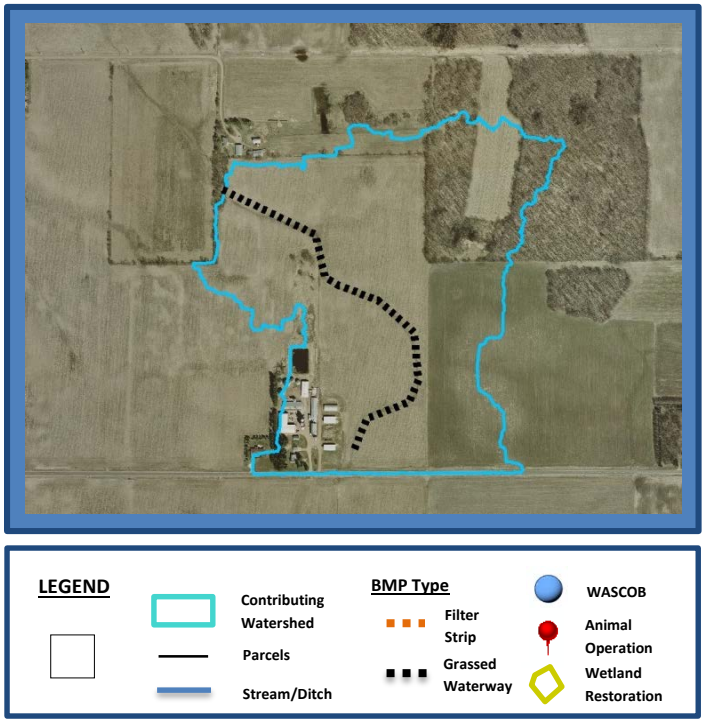
Rush Creek Watershed – Site # 98

Project Description

This area is currently farmed in row crops. The watershed also includes a farmstead. Areas in this field have concentrated flow paths.

BMP Recommendation

A grassed waterway should be installed to provide an adequate channel for the flowing water. This BMP will reduce erosion and pollutant loading.



CATCHMENT SUMMARY	
Watershed Acres	78.5
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	16.5
TSS Reduction (ton/yr)	16.5
Estimated Cost	$17,930.00
Cost/lb-TP	$108.80
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Grassed Waterway	16.5	16.5	2500	78.5	2.0 %	7700

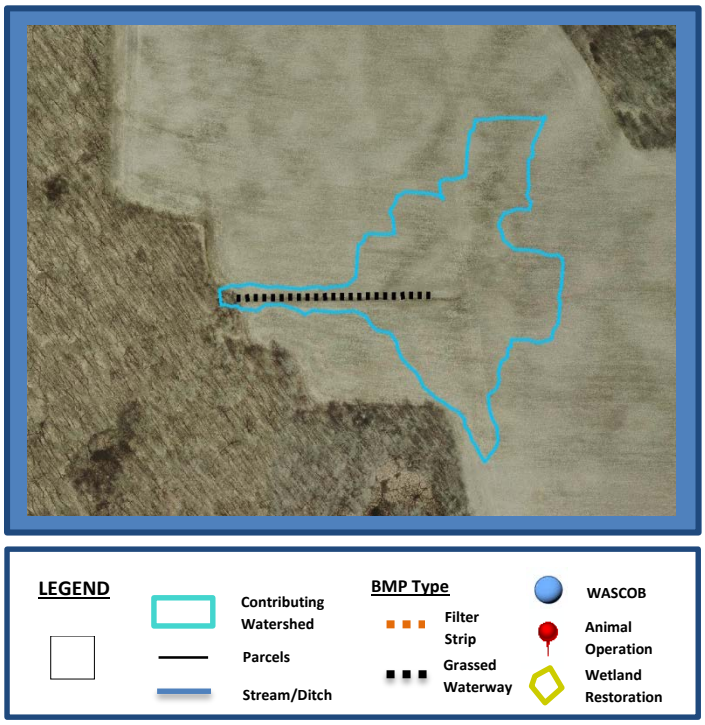
Rush Creek Watershed – Site # 82

Project Description

This area is currently farmed in row crops. Areas in this field have concentrated flow paths.

BMP Recommendation

A grassed waterway should be installed to provide an adequate channel for the flowing water. This BMP will reduce erosion and pollutant loading.



CATCHMENT SUMMARY	
Watershed Acres	5.3
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	7.2
TSS Reduction (ton/yr)	7.2
Estimated Cost	$8,082.50
Cost/lb-TP	$112.41
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Grassed Waterway	7.2	7.2	985	5.3	2.6 %	5000

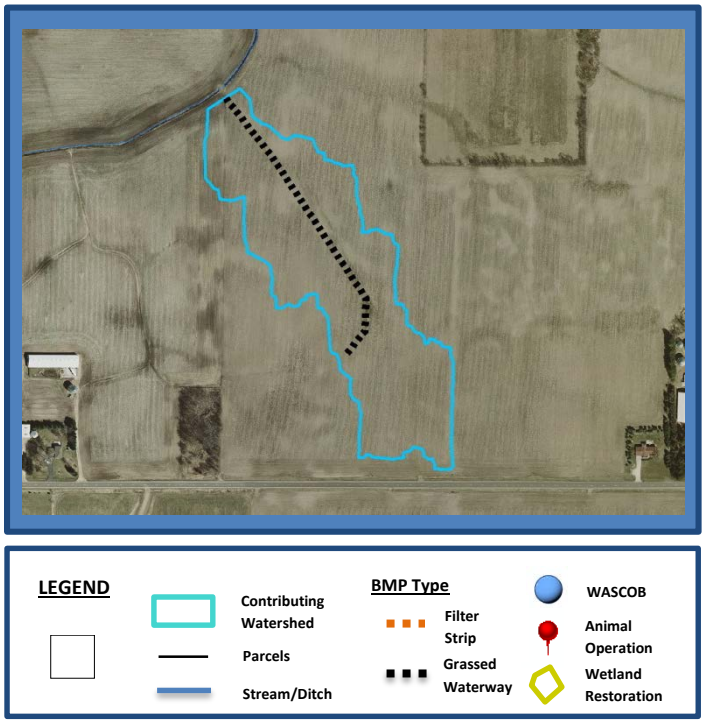
Rush Creek Watershed – Site # 87

Project Description

This area is currently farmed in row crops. Areas in this field have concentrated flow paths.

BMP Recommendation

A grassed waterway should be installed to provide an adequate channel for the flowing water. This BMP will reduce erosion and pollutant loading. Many BMPs are needed in this area. Habitat value would increase if other BMPs are also implemented.



CATCHMENT SUMMARY	
Watershed Acres	15.2
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	7.9
TSS Reduction (ton/yr)	7.9
Estimated Cost	$9,480.00
Cost/lb-TP	$119.40
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Grassed Waterway	7.9	7.9	1200	15.2	1.8 %	8000

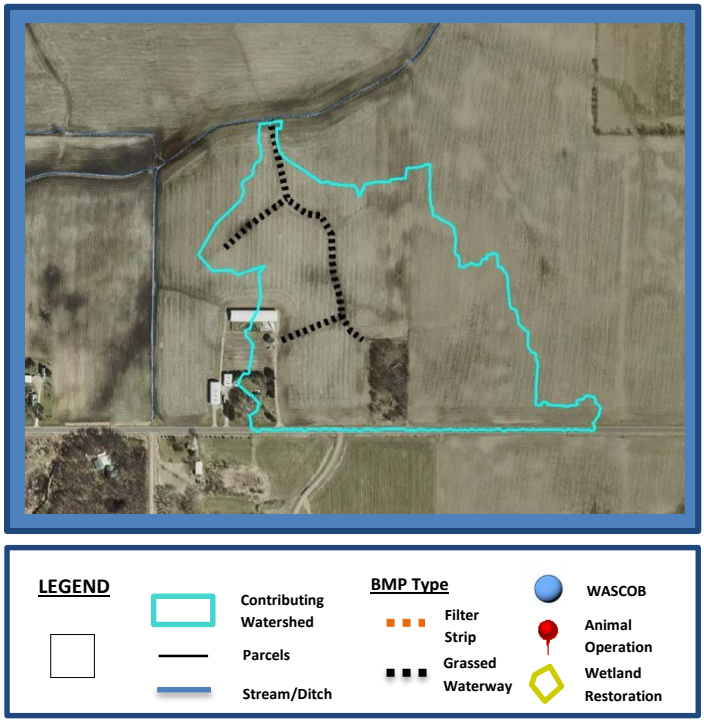
Rush Creek Watershed – Site # 88

Project Description

This area is currently farmed in row crops and also includes a farmstead. Areas in this field have concentrated flow paths.

BMP Recommendation

A grassed waterway should be installed to provide an adequate channel for the flowing water. This BMP will reduce erosion and pollutant loading. Many BMPs are needed in this area. Habitat value would increase if other BMPs are also implemented.



CATCHMENT SUMMARY	
Watershed Acres	29.0
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	7.9
TSS Reduction (ton/yr)	7.9
Estimated Cost	$9,480.00
Cost/lb-TP	$119.40
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	292 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Grassed Waterway	7.9	7.9	1200	29.0	2.3 %	8000

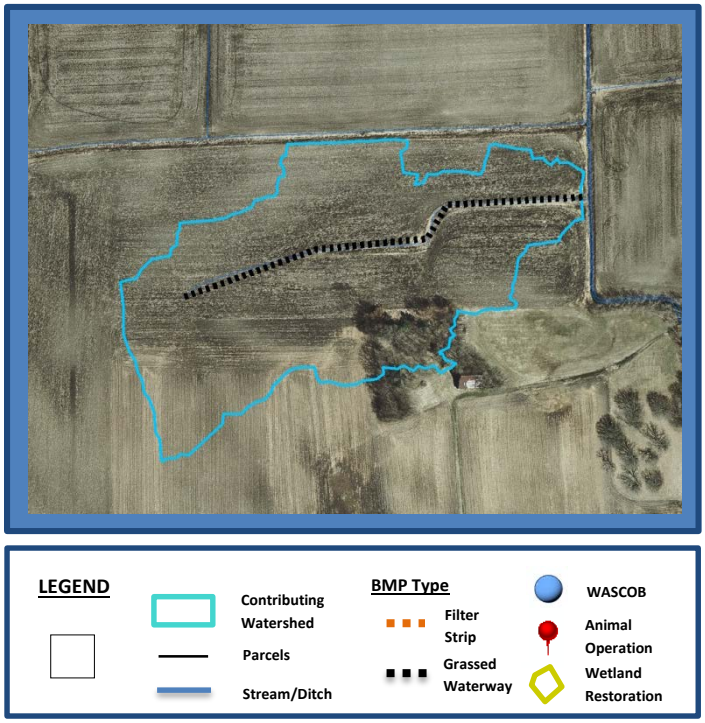
Rush Creek Watershed – Site # 55

Project Description

This area is currently farmed in row crops. Areas in this field have concentrated flow paths. This area is heavily ditched.

BMP Recommendation

A grassed waterway should be installed to provide an adequate channel for the flowing water. This BMP will reduce erosion and pollutant loading.



CATCHMENT SUMMARY	
Watershed Acres	9.6
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	5.9
TSS Reduction (ton/yr)	5.9
Estimated Cost	$7,790.00
Cost/lb-TP	$131.14
Existing Habitat	1
Proposed Habitat	1
MODEL INPUTS	
Dominant Soil Type	346 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	Length (feet)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Grassed Waterway	5.9	5.9	940	9.6	2.2 %	9999

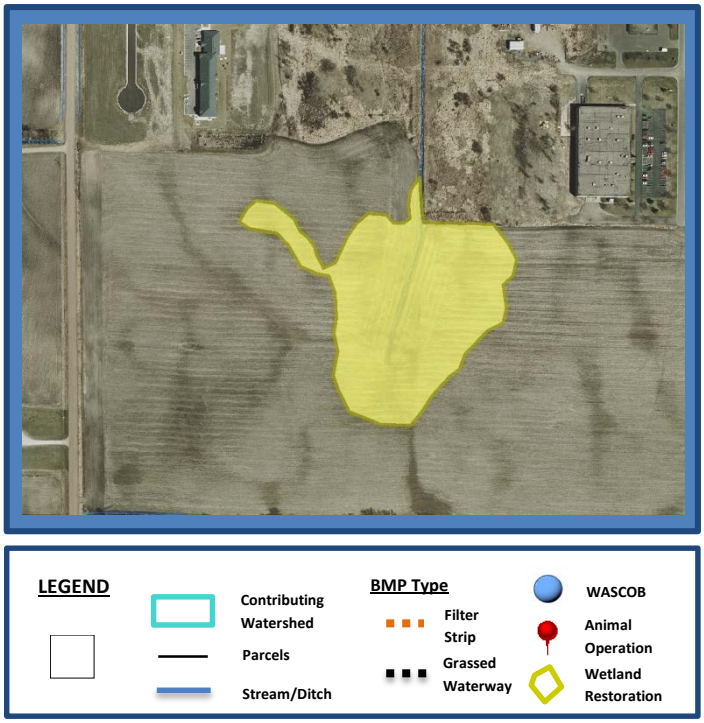
Rush Creek Watershed – Site # 162

Project Description

This area is currently farmed in row crops and heavily ditched. Hydric soils are present on this site. The field is currently planted to row crops.

BMP Recommendation

A Wetland Restoration should be installed by plugging the ditch and letting the hydrology return to the site. Native grasses and forbs should be planted for maximum habitat value.



CATCHMENT SUMMARY	
Watershed Acres	15.0
Current Land Cover	Row Crop
Number of Landowners	1
TP Reduction (lb/yr)	7.1
TSS Reduction (ton/yr)	3.8
Estimated Cost	$13,204.50
Cost/lb-TP	$185.20
Existing Habitat	1
Proposed Habitat	3
MODEL INPUTS	
Dominant Soil Type	346 (Loam)
Slopes > 6%	no

BEST MANAGEMENT PRACTICE SUMMARY						
Practice Type	TP (lb/yr)	TSS (ton/yr)	BMP Area (acres)	Watershed Size (Acres)	Average Watershed Slope	Distance to Surface Water (feet)
Wetland Restoration	7.1	3.8	2.6	15.0	3.6 %	2000

Rush Creek Watershed – Site # 146

Project Description

This is a beef cattle operation. The cattle have direct access to Rush Creek.

BMP Recommendation

Use exclusion to keep the cattle out of Rush Creek is the number one BMP recommendation. A manure management plan should be written and followed for the operation. It would also be valuable to the nearby water resources to use critical habitat seeding along the streambank to prevent erosion and increase habitat value.

CATCHMENT SUMMARY			
Animal Operation Acres	15.0	**Existing Habitat**	1
Animal Type	Beef Cattle	**Proposed Habitat**	2
Animal Number Estimate	50	**Wetlands Present**	No
Number of Landowners	1	**Streams Present**	Yes – Direct Access
Soil Type	722 Loam	**Ditching Present**	No
Distance to Surface Water	0		

Rush Creek Watershed – Site # 135

Project Description

This is a beef cattle operation. A very large watershed runs next to the barn and through part of the barnyard and pasture.

BMP Recommendation

Use exclusion to keep the cattle out of the small stream that runs through the barnyard is the number one BMP recommendation. A manure management plan should be written and followed for the operation. It would also be valuable to the nearby water resources to use critical habitat seeding along the streambank to prevent erosion and increase habitat value.

CATCHMENT SUMMARY			
Animal Operation Acres	30	**Existing Habitat**	1
Animal Type	Beef Cattle	**Proposed Habitat**	2
Animal Number Estimate	40	**Wetlands Present**	Yes
Number of Landowners	1	**Streams Present**	Yes – Direct Access
Soil Type	792 (Loam)	**Ditching Present**	No
Distance to Surface Water	10		

Rush Creek Watershed – Site # 145

Project Description

This is a beef cattle operation – these cattle are pastured here only, they are not owned by the property owners. The cattle have direct access to Rush Creek.

BMP Recommendation

Use exclusion to keep the cattle out of Rush Creek is the number one BMP recommendation. It would also be valuable to the nearby water resources to use critical habitat seeding along the streambank to prevent erosion and increase habitat value.

CATCHMENT SUMMARY			
Animal Operation Acres	9	**Existing Habitat**	1
Animal Type	Beef Cattle	**Proposed Habitat**	2
Animal Number Estimate	20	**Wetlands Present**	No
Number of Landowners	1	**Streams Present**	Yes – Direct Access
Soil Type	792 (Loam)	**Ditching Present**	No
Distance to Surface Water	0		