

Attachment F1
Project Evaluation Forms

Attachment F-1, Table 1a																
Scriber Creek Subbasin Project Evaluation Form – Flooding Projects																
DNR BASIN: Swamp Creek																
4/19/02																
Total Score =																
	21	20	23	22	23	6	57	58	59	55	27	12	13	14	15	16
Project No.																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
(1) Flooding																
Type of Roadway Flooding (choose only one)																
5	County collector		5								5					
7	County arterial				7		7	7	7	7						
10	State Highway															
Type of Property Flooding (more than one can be chosen)																
2	Landscaped property or farm use (but but not pasture)		2	2	2	2	2	2	2	2	2					
5	Private driveway, garage, or parking lot		5	5	5			5	5	5						
10	Living / work area of a residence or building															
Number of Properties Flooded (choose only one)																
0	1 property		0	0	0	0	0	0	0	0	0					
4	2-4 properties															
7	5-9 properties															
10	> 10 properties															
Frequency of Flooding (Existing or Future) (choose only one - if multiple flooding problems are addressed with different flooding)																
10	Occurs 1 or more times per year															
8	2-year event or less frequent		8	8	8			8	8	8	8					
6	10-year event or less frequent				6											
4	25-year event or less frequent					4						4				
2	100-year event or less frequent															
Verification																
5	Flooding problem corresponds with a known or observed flooding problem		5	5	5	5	5	5	5	5	5	5				
(2) Habitat																
(a) Stream/Wetland Habitat Improvements (land acquisitions that are directly associated with a specific habitat improvement CIP should score the same as that habitat improvement CIP)																
Type of Problem Addressed (more than one can be chosen)																
5	Lack of off-channel or side channel rearing habitat															
5	Lack of in-channel LWD															
5	Lack of adequate buffers															
Length of Stream Reach Affected by Improvements (choose only one)																
2	100 feet or less															
4	between 100 and 1,000 feet															
6	between 1,000 feet and 1 mile															
8	between 1 and 5 miles															
10	> 5 miles															
Presence of fish																
10	With listed species habitat															
Effectiveness of Improvement (choose only one)																
10	Improvements provide a significant benefit to habitat															
5	Improvements provide a moderate benefit to habitat															
(b) Fish Passage																
Project Corrects Fish Passage Restrictions (choose only one)																
10	Existing culvert is completely impassable							10	10	10	10					
5	Existing culvert is partially impassable for current and future land use															
3	Existing culvert is partially impassable for future land use only															
Location of Fish Passage Restrictions (choose only one)																
10	Within downstream third of existing fish habitat along a stream															
5	Within middle third of existing fish habitat along a stream															
3	Within upstream third of existing fish habitat along a stream							3	3	3	3					
Presence of fish & Potential Impacts																
10	With listed species habitat							10	10	10	10					

Attachment F-1, Table 1a (continued)																													
Scriber Creek Subbasin Project Evaluation Form – Flooding Projects																													
DNR BASIN: Swamp Creek																													
4/19/02																													
Total Score =														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Project No.																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16													
(3) Water Quality																													
Affected Water Body <i>(more than one can be chosen)</i>																													
5	Lake																												
10	Type 1 or 2 wetland																												
3	Type 3 or 4 wetland																												
10	Stream in basin with listed species habitat																												
Effectiveness of Improvement <i>(choose only one)</i>																													
5	Proposed improvements would moderately improve water quality																												
10	Proposed improvements would significantly improve water quality																												
(4) Erosion																													
Type of Problem <i>(typically, only one is chosen, though there could be exceptions)</i>																													
5	Erosion problem along roadway																												
10	Erosion caused from drainage system discharging at the top of a ravine																												
5	Moderate erosion in stream channel																												
10	Significant erosion in stream channel																												
Type of Stream Channel																													
10	Stream in basin with listed species habitat																												

Attachment F-1, Table 1b																
Martha Creek Subbasin Project Evaluation Form – Flooding Projects																
DNR BASIN: Swamp Creek																
4/19/02																
Total Score =																
	18	19	22	21	44	49	53	8	34	10	11	12	13	14	15	16
Project No.																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
(1) Flooding																
Type of Roadway Flooding (choose only one)																
<input type="checkbox"/> 5	County collector															
<input type="checkbox"/> 7	County arterial															
<input type="checkbox"/> 10	State Highway															
Type of Property Flooding (more than one can be chosen)																
<input type="checkbox"/> 2	Landscaped property or farm use (but but not pasture)															
<input type="checkbox"/> 5	Private driveway, garage, or parking lot															
<input type="checkbox"/> 10	Living / work area of a residence or building															
Number of Properties Flooded (choose only one)																
<input type="checkbox"/> 0	1 property															
<input type="checkbox"/> 4	2-4 properties															
<input type="checkbox"/> 7	5-9 properties															
<input type="checkbox"/> 10	> 10 properties															
Frequency of Flooding (Existing or Future) (choose only one - if multiple flooding problems are addressed with different flooding)																
<input type="checkbox"/> 10	Occurs 1 or more times per year															
<input type="checkbox"/> 8	2-year event or less frequent															
<input type="checkbox"/> 6	10-year event or less frequent															
<input type="checkbox"/> 4	25-year event or less frequent															
<input type="checkbox"/> 2	100-year event or less frequent															
Verification																
<input type="checkbox"/> 5	Flooding problem corresponds with a known or observed flooding problem															
(2) Habitat																
(a) Stream/Wetland Habitat Improvements (land acquisitions that are directly associated with a specific habitat improvement CIP should score the same as that habitat improvement CIP)																
Type of Problem Addressed (more than one can be chosen)																
<input type="checkbox"/> 5	Lack of off-channel or side channel rearing habitat															
<input type="checkbox"/> 5	Lack of in-channel LWD															
<input type="checkbox"/> 5	Lack of adequate buffers															
Length of Stream Reach Affected by Improvements (choose only one)																
<input type="checkbox"/> 2	100 feet or less															
<input type="checkbox"/> 4	between 100 and 1,000 feet															
<input type="checkbox"/> 6	between 1,000 feet and 1 mile															
<input type="checkbox"/> 8	between 1 and 5 miles															
<input type="checkbox"/> 10	> 5 miles															
Presence of fish																
<input type="checkbox"/> 10	With listed species habitat															
Effectiveness of Improvement (choose only one)																
<input type="checkbox"/> 10	Improvements provide a significant benefit to habitat															
<input type="checkbox"/> 5	Improvements provide a moderate benefit to habitat															
(b) Fish Passage																
Project Corrects Fish Passage Restrictions (choose only one)																
<input type="checkbox"/> 10	Existing culvert is completely impassable															
<input type="checkbox"/> 5	Existing culvert is partially impassable for current and future land use															
<input type="checkbox"/> 3	Existing culvert is partially impassable for future land use only															
Location of Fish Passage Restrictions (choose only one)																
<input type="checkbox"/> 10	Within downstream third of existing fish habitat along a stream															
<input type="checkbox"/> 5	Within middle third of existing fish habitat along a stream															
<input type="checkbox"/> 3	Within upstream third of existing fish habitat along a stream															
Presence of fish & Potential Impacts																
<input type="checkbox"/> 10	With listed species habitat															

Attachment F-1, Table 1b																
Martha Creek Subbasin Project Evaluation Form – Flooding Projects																
DNR BASIN: Swamp Creek																
4/19/02																
Total Score =																
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Project No.																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
(3) Water Quality																
Affected Water Body <i>(more than one can be chosen)</i>																
<input type="checkbox"/> 5	Lake															
<input type="checkbox"/> 10	Type 1 or 2 wetland															
<input type="checkbox"/> 3	Type 3 or 4 wetland															
<input type="checkbox"/> 10	Stream in basin with listed species habitat															
Effectiveness of Improvement <i>(choose only one)</i>																
<input type="checkbox"/> 5	Proposed improvements would moderately improve water quality															
<input type="checkbox"/> 10	Proposed improvements would significantly improve water quality															
(4) Erosion																
Type of Problem <i>(typically, only one is chosen, though there could be exceptions)</i>																
<input type="checkbox"/> 5	Erosion problem along roadway															
<input type="checkbox"/> 10	Erosion caused from drainage system discharging at the top of a ravine															
<input type="checkbox"/> 5	Moderate erosion in stream channel															
<input type="checkbox"/> 10	Significant erosion in stream channel															
Type of Stream Channel																
<input type="checkbox"/> 10	Stream in basin with listed species habitat															

Attachment F-1, Table 1c																
North Swamp Creek Subbasin Project Evaluation Form – Flooding Projects																
DNR BASIN: Swamp Creek 7/30/2002																
Total Score =	21	21	30	29	32	23	27	30	22	23	42	34	13	25	31	
Project No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
(1) Flooding																
Type of Roadway Flooding (choose only one)																
5	County collector	5		5		5		5	5	5	5					
7	County arterial															
10	State Highway															
Type of Property Flooding (more than one can be chosen)																
2	Landscaped property or farm use (but but not pasture)	2	2	2	2	2	2	2	2	2	2	2			2	2
5	Private driveway, garage, or parking lot		5		5	5		5				5	5		5	5
10	Living / work area of a residence or building			7		7										
Number of Properties Flooded (choose only one)																
0	1 property									0	0				0	0
4	2-4 properties		4		4	4		4	4	4		4	4			
7	5-9 properties	7		7												
10	> 10 properties															
Frequency of Flooding (Existing or Future) (choose only one - if multiple flooding problems are addressed with different flooding)																
10	Occurs 1 or more times per year										10					
8	2-year event or less frequent		8													
6	10-year event or less frequent	6		6		6		6	6	6		6				
4	25-year event or less frequent				4	4		4							4	4
2	100-year event or less frequent															
Verification																
5	Flooding problem corresponds with a known or observed flooding problem			5	5	5		5	5		5	5				5
(2) Habitat																
(a) Stream/Wetland Habitat Improvements (land acquisitions that are directly associated with a specific habitat improvement CIP should score the same as that habitat improvement CIP)																
Type of Problem Addressed (more than one can be chosen)																
5	Lack of off-channel or side channel rearing habitat															
5	Lack of in-channel LWD															
5	Lack of adequate buffers															
Length of Stream Reach Affected by Improvements (choose only one)																
2	100 feet or less															
4	between 100 and 1,000 feet															
6	between 1,000 feet and 1 mile															
8	between 1 and 5 miles															
10	> 5 miles															
Presence of fish																
10	With listed species habitat															
Effectiveness of Improvement (choose only one)																
10	Improvements provide a significant benefit to habitat															
5	Improvements provide a moderate benefit to habitat															
(b) Fish Passage																
Project Corrects Fish Passage Restrictions (choose only one)																
10	Existing culvert is completely impassable															
5	Existing culvert is partially impassable for current and future land use															
3	Existing culvert is partially impassable for future land use only															
Location of Fish Passage Restrictions (choose only one)																
10	Within downstream third of existing fish habitat along a stream															
5	Within middle third of existing fish habitat along a stream															
3	Within upstream third of existing fish habitat along a stream															
Presence of fish & Potential Impacts																

Attachment F-1, Table 1c (continued)																													
North Swamp Creek Subbasin Project Evaluation Form – Flooding Projects																													
DNR BASIN: Swamp Creek																													
7/30/2002																													
Total Score =											21	21	30	29	32	23	27	30	22	23	42	34	13	25	31				
Project No.											1	2	3	4	5	6	7	8	9	10	11	12	13	14	15				
10	With listed species habitat																												
(3) Water Quality																													
Affected Water Body (more than one can be chosen)																													
5	Lake																												
10	Type 1 or 2 wetland																												
3	Type 3 or 4 wetland																												
10	Stream in basin with listed species habitat																												
Effectiveness of Improvement (choose only one)																													
5	Proposed improvements would moderately improve water quality																												
10	Proposed improvements would significantly improve water quality																												
(4) Erosion																													
Type of Problem (typically, only one is chosen, though there could be exceptions)																													
5	Erosion problem along roadway																												
10	Erosion caused from drainage system discharging at the top of a ravine																												
5	Moderate erosion in stream channel																												
10	Significant erosion in stream channel																												
Type of Stream Channel																													
10	Stream in basin with listed species habitat																												

Attachment F-1, Table 1d																								
Middle Swamp Creek Subbasin Project Evaluation Form – Flooding Projects																								
DNR BASIN: Swamp Creek 8/13/2002																								
Total Score =											18	24	25	49	25	15	ND	0	0	0	0	0	0	0
Project No.											1	2	3	4	5	6	7							
(1) Flooding																								
Type of Roadway Flooding (choose only one)																								
5	County collector												5	5										
7	County arterial											7												
10	State Highway																							
Type of Property Flooding (more than one can be chosen)																								
2	Landscaped property or farm use (but not pasture)										2		2	5	2									
5	Private driveway, garage, or parking lot										5			5	5									
10	Living / work area of a residence or building													10										
Number of Properties Flooded (choose only one)																								
0	1 property																							
4	2-4 properties										2	4	4	4										
7	5-9 properties																							
10	> 10 properties																							
Frequency of Flooding (Existing or Future) (choose only one - if multiple flooding problems are addressed with different flooding)																								
10	Occurs 1 or more times per year																							
8	2-year event or less frequent										8				8									
6	10-year event or less frequent											6	6	6										
4	25-year event or less frequent															4								
2	100-year event or less frequent																							
Verification																								
5	Flooding problem corresponds with a known or observed flooding problem											5	5	5										
(2) Habitat																								
(a) Stream/Wetland Habitat Improvements (land acquisitions that are directly associated with a specific habitat improvement CIP should score the same as that habitat improvement CIP)																								
Type of Problem Addressed (more than one can be chosen)																								
5	Lack of off-channel or side channel rearing habitat																							
5	Lack of in-channel LWD																							
5	Lack of adequate buffers																							
Length of Stream Reach Affected by Improvements (choose only one)																								
2	100 feet or less																							
4	between 100 and 1,000 feet																							
6	between 1,000 feet and 1 mile																							
8	between 1 and 5 miles																							
10	> 5 miles																							
Presence of fish																								
10	With listed species habitat																							
Effectiveness of Improvement (choose only one)																								
10	Improvements provide a significant benefit to habitat																							
5	Improvements provide a moderate benefit to habitat																							
(b) Fish Passage																								
Project Corrects Fish Passage Restrictions (choose only one)																								
10	Existing culvert is completely impassable																							
5	Existing culvert is partially impassable for current and future land use													5	5	5								
3	Existing culvert is partially impassable for future land use only																							
Location of Fish Passage Restrictions (choose only one)																								
10	Within downstream third of existing fish habitat along a stream																							
5	Within middle third of existing fish habitat along a stream																							
3	Within upstream third of existing fish habitat along a stream																							

Attachment F-1, Table 1d (continued)																								
Middle Swamp Creek Subbasin Project Evaluation Form – Flooding Projects																								
DNR BASIN: Swamp Creek																								
8/13/2002																								
Total Score =											0	0	0	0	0	0	ND	0	0	0	0	0	0	0
Project No.											1	2	3	4	5	6	7							
Presence of fish & Potential Impacts																								
10	With listed species habitat																							
(3) Water Quality																								
Affected Water Body (more than one can be chosen)																								
5	Lake																							
10	Type 1 or 2 wetland																							
3	Type 3 or 4 wetland																							
10	Stream in basin with listed species habitat																							
Effectiveness of Improvement (choose only one)																								
5	Proposed improvements would moderately improve water quality																							
10	Proposed improvements would significantly improve water quality																							
(4) Erosion																								
Type of Problem (typically, only one is chosen, though there could be exceptions)																								
5	Erosion problem along roadway																							
10	Erosion caused from drainage system discharging at the top of a ravine																							
5	Moderate erosion in stream channel																							
10	Significant erosion in stream channel																							
Type of Stream Channel																								
10	Stream in basin with listed species habitat																							

ND= Score is not determined for the Draft.

Attachment F-1, Table 1e		
South Swamp Creek Subbasin Project Evaluation Form – Flooding Projects		
DNR BASIN: Swamp Creek 8/19/2002		
Total Score =	22	ND
Project No.	SW-SO-1	SW-SO-2
(1) Flooding		
Type of Roadway Flooding (choose only one)		
5	County collector	
7	County arterial	
10	State Highway	
Type of Property Flooding (more than one can be chosen)		
2	Landscaped property or farm use (but but not pasture)	
5	Private driveway, garage, or parking lot	5
10	Living / work area of a residence or building	
Number of Properties Flooded (choose only one)		
0	1 property	
4	2-4 properties	4
7	5-9 properties	
10	> 10 properties	
Frequency of Flooding (Existing or Future) (choose only one - if multiple flooding problems are addressed with different flooding)		
10	Occurs 1 or more times per year	
8	2-year event or less frequent	8
6	10-year event or less frequent	
4	25-year event or less frequent	
2	100-year event or less frequent	
Verification		
5	Flooding problem corresponds with a known or observed flooding problem	5
(2) Habitat		
(a) Stream/Wetland Habitat Improvements (land acquisitions that are directly associated with a specific habitat improvement CIP should score the same as that habitat improvement CIP)		
Type of Problem Addressed (more than one can be chosen)		
5	Lack of off-channel or side channel rearing habitat	
5	Lack of in-channel LWD	
5	Lack of adequate buffers	

Attachment F-1, Table 1e (continued)		
South Swamp Creek Subbasin Project Evaluation Form – Flooding Projects		
DNR BASIN: Swamp Creek 8/19/2002		
Total Score =	22	ND
Project No.	SW-SO-1	SW-SO-2
Length of Stream Reach Affected by Improvements (choose only one)		
2	100 feet or less	
4	between 100 and 1,000 feet	
6	between 1,000 feet and 1 mile	
8	between 1 and 5 miles	
10	> 5 miles	
Presence of fish		
10	With listed species habitat	
Effectiveness of Improvement (choose only one)		
10	Improvements provide a significant benefit to habitat	
5	Improvements provide a moderate benefit to habitat	
(b) Fish Passage		
Project Corrects Fish Passage Restrictions (choose only one)		
10	Existing culvert is completely impassable	
5	Existing culvert is partially impassable for current and future land use	
3	Existing culvert is partially impassable for future land use only	
Location of Fish Passage Restrictions (choose only one)		
10	Within downstream third of existing fish habitat along a stream	
5	Within middle third of existing fish habitat along a stream	
3	Within upstream third of existing fish habitat along a stream	
Presence of fish & Potential Impacts		
10	With listed species habitat	
(3) Water Quality		
Affected Water Body (more than one can be chosen)		
5	Lake	
10	Type 1 or 2 wetland	
3	Type 3 or 4 wetland	
10	Stream in basin with listed species habitat	
Effectiveness of Improvement (choose only one)		
5	Proposed improvements would moderately improve water quality	
10	Proposed improvements would significantly improve water quality	

Attachment F-1, Table 1e (continued)		
South Swamp Creek Subbasin Project Evaluation Form – Flooding Projects		
DNR BASIN: Swamp Creek 8/19/2002		
Total Score =		22
		ND
Project No.		SW-SO-1
		SW-SO-2
(4) Erosion		
Type of Problem (<i>typically, only one is chosen, though there could be exceptions</i>)		
5	Erosion problem along roadway	
10	Erosion caused from drainage system discharging at the top of a ravine	
5	Moderate erosion in stream channel	
10	Significant erosion in stream channel	
Type of Stream Channel		
10	Stream in basin with listed species habitat	

ND= Score is not determined for the Draft.

Attachment F-1, Table 1f								
Chase Lake Project Evaluation Form – Flooding Projects								
DNR BASIN: Swamp Creek								
7/30/2002								
Total Score =								
	29	30	21	24	20	8	42	
Project No.								
	2	3	4	5	6	8	9	
(1) Flooding								
Type of Roadway Flooding (choose only one)								
5	County collector	5	5					5
7	County arterial							
10	State Highway							
Type of Property Flooding (more than one can be chosen)								
2	Landscaped property or farm use (but not pasture)			2	2	2		
5	Private driveway, garage, or parking lot	5	5					5
10	Living / work area of a residence or building							
Number of Properties Flooded (choose only one)								
0	1 property							
4	2-4 properties	4	4	4	4	4		
7	5-9 properties							
10	> 10 properties							10
Frequency of Flooding (Existing or Future) (choose only one - if multiple flooding problems are addressed with different flooding)								
10	Occurs 1 or more times per year							
8	2-year event or less frequent	8	8		8	8		8
6	10-year event or less frequent			6				
4	25-year event or less frequent							
2	100-year event or less frequent							
Verification								
5	Flooding problem corresponds with a known or observed flooding problem	5	5	5	5			5
(2) Habitat								
(a) Stream/Wetland Habitat Improvements (land acquisitions that are directly associated with a specific habitat improvement CIP should score the same as that habitat improvement CIP)								
Type of Problem Addressed (more than one can be chosen)								
5	Lack of off-channel or side channel rearing habitat							
5	Lack of in-channel LWD							
5	Lack of adequate buffers							
Length of Stream Reach Affected by Improvements (choose only one)								
2	100 feet or less							
4	between 100 and 1,000 feet							
6	between 1,000 feet and 1 mile							
8	between 1 and 5 miles							
10	> 5 miles							

Attachment F-1, Table 1f (continued)									
Chase Lake Project Evaluation Form – Flooding Projects									
DNR BASIN: Swamp Creek									
7/30/2002									
Total Score =					0	0	0	0	0
Project No.					2	3	4	5	6
					8	9			
Presence of fish									
10	With listed species habitat								
Effectiveness of Improvement (choose only one)									
10	Improvements provide a significant benefit to habitat								
5	Improvements provide a moderate benefit to habitat								
(b) Fish Passage									
Project Corrects Fish Passage Restrictions (choose only one)									
10	Existing culvert is completely impassable								
5	Existing culvert is partially impassable for current and future land use								
3	Existing culvert is partially impassable for future land use only								
Location of Fish Passage Restrictions (choose only one)									
10	Within downstream third of existing fish habitat along a stream								
5	Within middle third of existing fish habitat along a stream								
3	Within upstream third of existing fish habitat along a stream								
Presence of fish & Potential Impacts									
10	With listed species habitat								
(3) Water Quality									
Affected Water Body (more than one can be chosen)									
5	Lake								
10	Type 1 or 2 wetland								
3	Type 3 or 4 wetland								
10	Stream in basin with listed species habitat								
Effectiveness of Improvement (choose only one)									
5	Proposed improvements would moderately improve water quality								
10	Proposed improvements would significantly improve water quality								
(4) Erosion									
Type of Problem (typically, only one is chosen, though there could be exceptions)									
5	Erosion problem along roadway								
10	Erosion caused from drainage system discharging at the top of a ravine								
5	Moderate erosion in stream channel								
10	Significant erosion in stream channel								
Type of Stream Channel									
10	Stream in basin with listed species habitat								

Attachment F-1, Table 2																
Swamp Creek Project Evaluation Form – Habitat Projects																
Total Score =	40	40	28	30	20	28	30	24	30	10	28	28	18	26		
CIP Project No.	SW-MI-8	SW-MI-9	SW-MI-10	SW-MI-11	SW-MI-12	SW-MI-13	SW-SO-3	SW-SO-4	SW-MA-9	SW-SC-13	SW-SC-14	SW-SC-15	SW-SC-16	SW-SC-17		
Habitat Problem No.	SW-MI-H-Ex-6	SW-MI-H-Ex-16	SW-MI-H-Ex-33	SW-MI-H-Ex-39	SW-MI-H-Ex-42	SW-MI-H-Ex-44 SW-MI-H-Ex-45a SW-MI-H-Ex-45b	SW-SO-H-Ex-31	SW-SO-H-Ex-43	SW-MA-H-Ex-25	SW-SC-H-Ex-32	SW-SC-H-Ex-35	SW-SC-H-Ex-40	SW-SC-H-Ex-41	SW-SC-H-Ex-47	SW-SC-H-Ex-48	
(1) Flooding																
Type of Roadway Flooding (choose only one)																
5	County collector															
7	County arterial															
10	State Highway															
Type of Property Flooding (more than one can be chosen)																
2	Landscaped property or farm use (but not pasture)															
5	Private driveway, garage, or parking lot															
10	Living / work area of a residence or building															
Number of Properties Flooded (choose only one)																
0	1 property															
4	2-4 properties															
7	5-9 properties															
10	> 10 properties															
Frequency of Flooding (Existing or Future) (choose only one - if multiple flooding problems are addressed with different flooding frequencies, choose the)																
10	Occurs 1 or more times per year															
8	2-year event or less frequent															
6	10-year event or less frequent															
4	25-year event or less frequent															
2	100-year event or less frequent															
Verification																
5	Flooding problem corresponds with a known or observed flooding problem															
(2) Habitat																
(a) Stream/Wetland Habitat Improvements (land acquisitions that are directly associated with a specific habitat improvement CIP should score the same as that habitat improvement CIP)																
Type of Problem Addressed (more than one can be chosen)																
5	Lack of off-channel or side channel rearing habitat															
5	Lack of in-channel LWD															
5	Lack of adequate buffers															
Length of Stream Reach Affected by Improvements (choose only one)																
2	100 feet or less															
4	between 100 and 1,000 feet															
6	between 1,000 feet and 1 mile															
8	between 1 and 5 miles															
10	> 5 miles															
Presence of fish																
10	With listed species habitat															
Effectiveness of Improvement (choose only one)																
10	Improvements provide a significant benefit to habitat															
5	Improvements provide a moderate benefit to habitat															

Attachment F-1, Table 2 (continued)															
Swamp Creek DNR Project Evaluation Form – Habitat Projects															
Total Score =	20	20	0	0	0	0	15	0	15	5	0	0	0	0	
CIP Project No.	SW-MI-8	SW-MI-9	SW-MI-10	SW-MI-11	SW-MI-12	SW-MI-13	SW-SO-3	SW-SO-4	SW-MA-9	SW-SC-13	SW-SC-14	SW-SC-15	SW-SC-16	SW-SC-17	
Habitat Problem No.	SW-MI-H-Ex-6	SW-MI-H-Ex-16	SW-MI-H-Ex-33	SW-MI-H-Ex-39	SW-MI-H-Ex-42	SW-MI-H-Ex-44 SW-MI-H-Ex-45a SW-MI-H-Ex-45b	SW-SO-H-Ex-31	SW-SO-H-Ex-43	SW-MA-H-Ex-25	SW-SC-H-Ex-32	SW-SC-H-Ex-35	SW-SC-H-Ex-40	SW-SC-H-Ex-41	SW-SC-H-Ex-47	SW-SC-H-Ex-48
(b) Fish Passage															
Project Corrects Fish Passage Restrictions (choose only one)															
10	Existing culvert is completely impassable														
5	5	5													
3	Existing culvert is partially impassable for future land use only														
Location of Fish Passage Restrictions (choose only one)															
10	Within downstream third of existing fish habitat along a stream														
5	5	5													
3	Within upstream third of existing fish habitat along a stream														
Presence of fish & Potential Impacts															
10	10	10													
(3) Water Quality															
Affected Water Body (more than one can be chosen)															
5	Lake														
10	Type 1 or 2 wetland														
3	Type 3 or 4 wetland														
10	Stream in basin with listed species habitat														
Effectiveness of Improvement (choose only one)															
5	Proposed improvements would moderately improve water quality														
10	Proposed improvements would significantly improve water quality														
(4) Erosion															
Type of Problem (typically, only one is chosen, though there could be exceptions)															
5	Erosion problem along roadway														
10	Erosion caused from drainage system discharging at the top of a ravine														
5	Moderate erosion in stream channel														
10	Significant erosion in stream channel														
Type of Stream Channel															
10	Stream in basin with listed species habitat														

Attachment F-1, Table 3a																	
Martha Creek Subbasin Project Evaluation Form – Water Quality Projects																	
DNR BASIN: Swamp Creek																	
4/19/02																	
Total Score =											15	0	0	0	0	0	0
Project No.											10	11	12	13	14	15	16
(1) Flooding																	
Type of Roadway Flooding (choose only one)																	
<input type="checkbox"/> 5	County collector																
<input type="checkbox"/> 7	County arterial																
<input type="checkbox"/> 10	State Highway																
Type of Property Flooding (more than one can be chosen)																	
<input type="checkbox"/> 2	Landscaped property or farm use (but not pasture)																
<input type="checkbox"/> 5	Private driveway, garage, or parking lot																
<input type="checkbox"/> 10	Living / work area of a residence or building																
Number of Properties Flooded (choose only one)																	
<input type="checkbox"/> 0	1 property																
<input type="checkbox"/> 4	2-4 properties																
<input type="checkbox"/> 7	5-9 properties																
<input type="checkbox"/> 10	> 10 properties																
Frequency of Flooding (Existing or Future) (choose only one - if multiple flooding problems are addressed with different flooding)																	
<input type="checkbox"/> 10	Occurs 1 or more times per year																
<input type="checkbox"/> 8	2-year event or less frequent																
<input type="checkbox"/> 6	10-year event or less frequent																
<input type="checkbox"/> 4	25-year event or less frequent																
<input type="checkbox"/> 2	100-year event or less frequent																
Verification																	
<input type="checkbox"/> 5	Flooding problem corresponds with a known or observed flooding problem																
(2) Habitat																	
(a) Stream/Wetland Habitat Improvements (land acquisitions that are directly associated with a specific habitat improvement CIP should score the same as that habitat improvement CIP)																	
Type of Problem Addressed (more than one can be chosen)																	
<input type="checkbox"/> 5	Lack of off-channel or side channel rearing habitat																
<input type="checkbox"/> 5	Lack of in-channel LWD																
<input type="checkbox"/> 5	Lack of adequate buffers																
Length of Stream Reach Affected by Improvements (choose only one)																	
<input type="checkbox"/> 2	100 feet or less																
<input type="checkbox"/> 4	between 100 and 1,000 feet																
<input type="checkbox"/> 6	between 1,000 feet and 1 mile																
<input type="checkbox"/> 8	between 1 and 5 miles																
<input type="checkbox"/> 10	> 5 miles																
Presence of fish																	
<input type="checkbox"/> 10	With listed species habitat																
Effectiveness of Improvement (choose only one)																	
<input type="checkbox"/> 10	Improvements provide a significant benefit to habitat																
<input type="checkbox"/> 5	Improvements provide a moderate benefit to habitat																
(b) Fish Passage																	
Project Corrects Fish Passage Restrictions (choose only one)																	
<input type="checkbox"/> 10	Existing culvert is completely impassable																
<input type="checkbox"/> 5	Existing culvert is partially impassable for current and future land use																
<input type="checkbox"/> 3	Existing culvert is partially impassable for future land use only																
Location of Fish Passage Restrictions (choose only one)																	
<input type="checkbox"/> 10	Within downstream third of existing fish habitat along a stream																
<input type="checkbox"/> 5	Within middle third of existing fish habitat along a stream																
<input type="checkbox"/> 3	Within upstream third of existing fish habitat along a stream																
Presence of fish & Potential Impacts																	
<input type="checkbox"/> 10	With listed species habitat																

Attachment F-1, Table 3a (continued)																	
Martha Creek Subbasin Project Evaluation Form – Water Quality Projects																	
DNR BASIN: Swamp Creek																	
4/19/02																	
Total Score =											15	0	0	0	0	0	0
Project No.											10	11	12	13	14	15	16
(3) Water Quality																	
Affected Water Body <i>(more than one can be chosen)</i>																	
5	Lake																
10	Type 1 or 2 wetland																
3	Type 3 or 4 wetland																
10	Stream in basin with listed species habitat																
Effectiveness of Improvement <i>(choose only one)</i>																	
5	Proposed improvements would moderately improve water quality																
10	Proposed improvements would significantly improve water quality																
(4) Erosion																	
Type of Problem <i>(typically, only one is chosen, though there could be exceptions)</i>																	
5	Erosion problem along roadway																
10	Erosion caused from drainage system discharging at the top of a ravine																
5	Moderate erosion in stream channel																
10	Significant erosion in stream channel																
Type of Stream Channel																	
10	Stream in basin with listed species habitat																

Attachment F-1, Table 3b												
North Swamp Creek Subbasin Project Evaluation Form – Water Quality Projects												
DNR BASIN: Swamp Creek 7/30/2002												
Total Score =											15	
Project No.											16	
(1) Flooding												
Type of Roadway Flooding (choose only one)												
5	County collector											
7	County arterial											
10	State Highway											
Type of Property Flooding (more than one can be chosen)												
2	Landscaped property or farm use (but not pasture)											
5	Private driveway, garage, or parking lot											
10	Living / work area of a residence or building											
Number of Properties Flooded (choose only one)												
0	1 property											
4	2-4 properties											
7	5-9 properties											
10	> 10 properties											
Frequency of Flooding (Existing or Future) (choose only one - if multiple flooding problems are addressed with different flooding)												
10	Occurs 1 or more times per year											
8	2-year event or less frequent											
6	10-year event or less frequent											
4	25-year event or less frequent											
2	100-year event or less frequent											
Verification												
5	Flooding problem corresponds with a known or observed flooding problem											
(2) Habitat												
(a) Stream/Wetland Habitat Improvements (land acquisitions that are directly associated with a specific habitat improvement CIP should score the same as that habitat improvement CIP)												
Type of Problem Addressed (more than one can be chosen)												
5	Lack of off-channel or side channel rearing habitat											
5	Lack of in-channel LWD											
5	Lack of adequate buffers											
Length of Stream Reach Affected by Improvements (choose only one)												
2	100 feet or less											
4	between 100 and 1,000 feet											
6	between 1,000 feet and 1 mile											
8	between 1 and 5 miles											
10	> 5 miles											
Presence of fish												
10	With listed species habitat											
Effectiveness of Improvement (choose only one)												
10	Improvements provide a significant benefit to habitat											
5	Improvements provide a moderate benefit to habitat											
(b) Fish Passage												
Project Corrects Fish Passage Restrictions (choose only one)												
10	Existing culvert is completely impassable											
5	Existing culvert is partially impassable for current and future land use											
3	Existing culvert is partially impassable for future land use only											

Attachment F-1, Table 3c																													
South Swamp Creek Subbasin Project Evaluation Form – Water Quality Projects																													
DNR BASIN: Swamp Creek																													
4/19/02																													
Total Score =														0	0	0	0	0	0	0	0	0	0	0	0	0	15	15	15
Project No.																											5	6	7
(1) Flooding																													
Type of Roadway Flooding (choose only one)																													
<input type="checkbox"/>	5	County collector																											
<input type="checkbox"/>	7	County arterial																											
<input type="checkbox"/>	10	State Highway																											
Type of Property Flooding (more than one can be chosen)																													
<input type="checkbox"/>	2	Landscaped property or farm use (but not pasture)																											
<input type="checkbox"/>	5	Private driveway, garage, or parking lot																											
<input type="checkbox"/>	10	Living / work area of a residence or building																											
Number of Properties Flooded (choose only one)																													
<input type="checkbox"/>	0	1 property																											
<input type="checkbox"/>	4	2-4 properties																											
<input type="checkbox"/>	7	5-9 properties																											
<input type="checkbox"/>	10	> 10 properties																											
Frequency of Flooding (Existing or Future) (choose only one - if multiple flooding problems are addressed with different flooding)																													
<input type="checkbox"/>	10	Occurs 1 or more times per year																											
<input type="checkbox"/>	8	2-year event or less frequent																											
<input type="checkbox"/>	6	10-year event or less frequent																											
<input type="checkbox"/>	4	25-year event or less frequent																											
<input type="checkbox"/>	2	100-year event or less frequent																											
Verification																													
<input type="checkbox"/>	5	Flooding problem corresponds with a known or observed flooding problem																											
(2) Habitat																													
(a) Stream/Wetland Habitat Improvements (land acquisitions that are directly associated with a specific habitat improvement CIP should score the same as that habitat improvement CIP)																													
Type of Problem Addressed (more than one can be chosen)																													
<input type="checkbox"/>	5	Lack of off-channel or side channel rearing habitat																											
<input type="checkbox"/>	5	Lack of in-channel LWD																											
<input type="checkbox"/>	5	Lack of adequate buffers																											
Length of Stream Reach Affected by Improvements (choose only one)																													
<input type="checkbox"/>	2	100 feet or less																											
<input type="checkbox"/>	4	between 100 and 1,000 feet																											
<input type="checkbox"/>	6	between 1,000 feet and 1 mile																											
<input type="checkbox"/>	8	between 1 and 5 miles																											
<input type="checkbox"/>	10	> 5 miles																											
Presence of fish																													
<input type="checkbox"/>	10	With listed species habitat																											
Effectiveness of Improvement (choose only one)																													
<input type="checkbox"/>	10	Improvements provide a significant benefit to habitat																											
<input type="checkbox"/>	5	Improvements provide a moderate benefit to habitat																											
(b) Fish Passage																													
Project Corrects Fish Passage Restrictions (choose only one)																													
<input type="checkbox"/>	10	Existing culvert is completely impassable																											
<input type="checkbox"/>	5	Existing culvert is partially impassable for current and future land use																											
<input type="checkbox"/>	3	Existing culvert is partially impassable for future land use only																											
Location of Fish Passage Restrictions (choose only one)																													
<input type="checkbox"/>	10	Within downstream third of existing fish habitat along a stream																											
<input type="checkbox"/>	5	Within middle third of existing fish habitat along a stream																											
<input type="checkbox"/>	3	Within upstream third of existing fish habitat along a stream																											
Presence of fish & Potential Impacts																													
<input type="checkbox"/>	10	With listed species habitat																											

Attachment F-1, Table 3c (continued)													
South Swamp Creek Subbasin Project Evaluation Form – Water Quality Projects													
DNR BASIN: Swamp Creek													
4/19/02													
(3) Water Quality													
Affected Water Body <i>(more than one can be chosen)</i>													
5	Lake												
10	Type 1 or 2 wetland												
3	Type 3 or 4 wetland												
10	Stream in basin with listed species habitat									10	10	10	
Effectiveness of Improvement <i>(choose only one)</i>													
5	Proposed improvements would moderately improve water quality										5	5	5
10	Proposed improvements would significantly improve water quality												
(4) Erosion													
Type of Problem <i>(typically, only one is chosen, though there could be exceptions)</i>													
5	Erosion problem along roadway												
10	Erosion caused from drainage system discharging at the top of a ravine												
5	Moderate erosion in stream channel												
10	Significant erosion in stream channel												
Type of Stream Channel													
10	Stream in basin with listed species habitat												

Attachment F-1, Table 3d										
Chase Lake Subbasin Project Evaluation Form – Water Quality Projects										
DNR BASIN: Swamp Creek										
7/30/2002										
Total Score =										0 0 10
Project No.										8 9 10
(1) Flooding										
Type of Roadway Flooding (choose only one)										
5	County collector									
7	County arterial									
10	State Highway									
Type of Property Flooding (more than one can be chosen)										
2	Landscaped property or farm use (but but not pasture)									
5	Private driveway, garage, or parking lot									
10	Living / work area of a residence or building									
Number of Properties Flooded (choose only one)										
0	1 property									
4	2-4 properties									
7	5-9 properties									
10	> 10 properties									
Frequency of Flooding (Existing or Future) (choose only one - if multiple flooding problems are addressed with different flooding)										
10	Occurs 1 or more times per year									
8	2-year event or less frequent									
6	10-year event or less frequent									
4	25-year event or less frequent									
2	100-year event or less frequent									
Verification										
5	Flooding problem corresponds with a known or observed flooding problem									
(2) Habitat										
(a) Stream/Wetland Habitat Improvements (land acquisitions that are directly associated with a specific habitat improvement CIP should score the same as that habitat improvement CIP)										
Type of Problem Addressed (more than one can be chosen)										
5	Lack of off-channel or side channel rearing habitat									
5	Lack of in-channel LWD									
5	Lack of adequate buffers									
Length of Stream Reach Affected by Improvements (choose only one)										
2	100 feet or less									
4	between 100 and 1,000 feet									
6	between 1,000 feet and 1 mile									
8	between 1 and 5 miles									
10	> 5 miles									
Presence of fish										
10	With listed species habitat									
Effectiveness of Improvement (choose only one)										
10	Improvements provide a significant benefit to habitat									
5	Improvements provide a moderate benefit to habitat									

Attachment F-1, Table 3d (continued)										
Chase Lake Subbasin Project Evaluation Form – Water Quality Projects										
DNR BASIN: Swamp Creek 7/30/2002										
Total Score =							0	0	10	
Project No.							8	9	10	
(b) Fish Passage										
Project Corrects Fish Passage Restrictions (choose only one)										
10	Existing culvert is completely impassable									
5	Existing culvert is partially impassable for current and future land use									
3	Existing culvert is partially impassable for future land use only									
Location of Fish Passage Restrictions (choose only one)										
10	Within downstream third of existing fish habitat along a stream									
5	Within middle third of existing fish habitat along a stream									
3	Within upstream third of existing fish habitat along a stream									
Presence of fish & Potential Impacts										
10	With listed species habitat									
(3) Water Quality										
Affected Water Body (more than one can be chosen)										
5	Lake									
10	Type 1 or 2 wetland									
3	Type 3 or 4 wetland									
10	Stream in basin with listed species habitat									
Effectiveness of Improvement (choose only one)										
5	Proposed improvements would moderately improve water quality									
10	Proposed improvements would significantly improve water quality									
(4) Erosion										
Type of Problem (typically, only one is chosen, though there could be exceptions)										
5	Erosion problem along roadway									
10	Erosion caused from drainage system discharging at the top of a ravine									
5	Moderate erosion in stream channel									
10	Significant erosion in stream channel									
Type of Stream Channel										
10	Stream in basin with listed species habitat									