

# Appendix A

Project Prioritization Tool Scoring Forms

### **Restoration Project Ranking**

#### Project Name: Harding Wet Meadow Enhancement

#### Project Location: see Figure 3a

Criteria

**Restoration/Enhancement Value** 

54

### Value Score

#### Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		9
restoration work would support projects on GS and Park	3 pts.	,
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	10
Invasive Species Control	3 pts.	

#### Metric 2: Restoration Size and Timeline

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	2
1 to <2 acres	3 pts.	
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	7
Restoration can be accomplished within 3-10 years	3 pts.	
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	7
Other Property (e.g., upland) Restoration Activities	5 pts.	
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	2
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

20+ acre	7 pts.	
5-20 acre	5 pts.	4
1.0-4.9 acre	3 pts.	1
<1 acre	1 pts.	

agmites australis 2 pts.		
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts. ea	4
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts. ea	
Other	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	2
Low (mapped as historic wetland only)	1 pts.	5
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	•
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

#### 8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	•
	Buffer Strip (10' min.)	2 pts.	U
	Tree Planting	2 pts.	
	Other	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	0
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	0

#### 10. Water Quantity Management (score one)

Runoff Volume Management (for a 2yr, 24-hour storm)	Post-construction runoff volume = 0 (stormwater does not leave site)	6 pts.	
	Post-construction runoff volume < Pre- construction runoff volume	4 pts.	0
	Post-construction runoff volume = pre- construction runoff volume	2 pts.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	3
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner, donations, etc.	100%	12 pts.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	0
	25-49%	6 pts.	
	<25%	3 pts.	

TOTAL SCORE	48
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(B) Est

a. Public Benefits (Score One, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	9
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs		-	-
	1. Implementation Year 1	\$	20,000.00

	2. 3-year Operations and Maintenance Costs (O&M)	\$ 60,000.00
imated Total Cost of Project		\$ 80,000.00

Public Benefit Ranking 112.50

Restoration/Enhancement Value	Total Score x Public	54
	Benefit	

### **Restoration Project Ranking**

#### Project Name: Harding Prairie Restoration

**Project Location: see Figure 3b** 

Criteria

**Restoration/Enhancement Value** 

53

Value Score

#### **Metric 1: Restoration Location and Type**

_a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		0
restoration work would support projects on GS and Park	3 pts.	9
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	10
Invasive Species Control	3 pts.	

#### **Metric 2: Restoration Size and Timeline**

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	<u>5 pts.</u>	F
1 to <2 acres	3 pts.	5
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	2
Restoration can be accomplished within 3-10 years	3 pts.	5
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	-
Other Property (e.g., upland) Restoration Activities	5 pts.	5
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	2
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

20+ acre	7 pts.	
5-20 acre	5 pts.	2
1.0-4.9 acre	3 pts.	3
<1 acre	1 pts.	

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts. ea	4
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts. ea	
Other	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	•
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	0
	Buffer Strip (10' min.)	2 pts.	U
	Tree Planting	2 pts.	
	Other	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	0
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	U

10. Water Quantity Management (score one)				
Dunoff Volume Management (for a 2017 24 hour storm)	Post-construction runoff volume = 0	6 pts.		
Runon volume Management (for a 291, 24-nour storm)	(stormwater does not leave site)			
	Post-construction runoff volume < Pre-	4 pts. 2 pts.		
	construction runoff volume		4 pts.	U
	Post-construction runoff volume = pre-			
	construction runoff volume			

a. Education Opportunities (score one)		
Will the site be used for future demonstration/education?	3 pts.	3
b. Funding Benefits (score one)		
Matching dollars/resources from Grants, Landowner, donations, etc.(includes direct donation, property, labor, materials, etc.) 100%	12 pts.	
50-99%	9 pts.	0
25-49%	6 pts.	
<25%	3 pts.	

TOTAL SCORE	44
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a. Public Benefits (Score One, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	9
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs			
	1. Construction and Design	\$ 50	,000.00
2. 5	year Operations and Maintenance Costs (O&M)	\$ 25	,000.00
(B) Estimated Total Cost of Project		\$ 75	,000.00

Public Benefit Ranking 120.00

### **Restoration Project Ranking**

#### Project Name: Harding Pond Area Enhancement

#### Project Location: see Figure 3c

Criteria

**Restoration/Enhancement Value** 

50

#### Value Score

#### Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		9
restoration work would support projects on GS and Park	3 pts.	
Properties		
Non-Green Space or Park Property (e.g., next to a river, along a	1 ptc	
public road, etc.)	$1 \ \mu s.$	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	10
Invasive Species Control	3 pts.	

### **Metric 2: Restoration Size and Timeline**

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	~
1 to <2 acres	3 pts.	5
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	10
Restoration can be accomplished within 3-10 years	3 pts.	10
Restoration may not be possible within 10 years	1 pts.	

#### **Metric 3: Expected Benefits**

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	-
Other Property (e.g., upland) Restoration Activities	5 pts.	5
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	1
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

20+ acre	7 pts.	
5-20 acre	5 pts.	2
1.0-4.9 acre	3 pts.	3
<1 acre	1 pts.	

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	4
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	•
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	2
	Buffer Strip (10' min.)	2 pts.	2
	Tree Planting	2 pts.	
	Other	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	0
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	0

10. Water Quantity Management (score one)			
Runoff Volume Management (for a 2vr. 24-bour storm)	Post-construction runoff volume = 0	6 nts.	
	(stormwater does not leave site)	0 0 00.	
	Post-construction runoff volume < Pre-	1 ntc	•
	construction runoff volume	4 pts.	U
	Post-construction runoff volume = pre-	2 == 4 =	
	construction runoff volume	2 pts.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	3
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner,	100%	12 nts	
donations, etc.	100,0	12 pts.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	0
	25-49%	6 pts.	
	<25%	3 pts.	

a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	9
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs			-
	1. Implementation Year 1	\$	15,000.00

	,
2. 5-year Operations and Maintenance Costs (O&M)	\$ 75,000.00
(B) Estimated Total Cost of Project	\$ 90,000.00

Public Benefit Ranking **100.00** 

Restoration/Enhancement Value	Total Score x Public	50
	Benefit	

### **Restoration Project Ranking**

#### Project Name: Harding Japanese Knotweed Control

#### Project Location: see Figure 3d

Criteria

**Restoration/Enhancement Value** 

44

Value Score

#### Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		0
restoration work would support projects on GS and Park	3 pts.	9
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	10
Invasive Species Control	3 pts.	

#### **Metric 2: Restoration Size and Timeline**

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	<u>5 pts.</u>	F
1 to <2 acres	3 pts.	5
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	2
Restoration can be accomplished within 3-10 years	3 pts.	5
Restoration may not be possible within 10 years	1 pts.	

#### **Metric 3: Expected Benefits**

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	-
Other Property (e.g., upland) Restoration Activities	5 pts.	5
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	1
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

20+ acre	7 pts.	
5-20 acre	5 pts.	2
1.0-4.9 acre	3 pts.	3
<1 acre	1 pts.	

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	2
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	•
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	0
	Buffer Strip (10' min.)	2 pts.	U
	Tree Planting	2 pts.	
	Other	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	0
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	J

10. Water Quantity Management (score one)			
Dunoff Volume Management (for a 2 m 24 hour storm)	Post-construction runoff volume = 0	6 ptc	
Runon volume Management (for a 2yr, 24-hour storm)	(stormwater does not leave site)	$\theta \mu s.$	
	Post-construction runoff volume < Pre-	1 ptc	
	construction runoff volume	4 pts.	U U
	Post-construction runoff volume = pre-	2 nto	
	construction runoff volume	2 pts.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner, donations, etc.	100%	12 pts.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	0
	25-49%	6 pts.	-
	<25%	3 pts.	

TOTAL SCORE	38
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a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	7
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs			
	1. First Year Implementation	\$ 10	,000.00
	2. 5-year Operations and Maintenance Costs (O&M)	\$ 50	,000.00
(B) Estimated Total Cost of Project		\$ 60	,000.00

Public Benefit Ranking

116.67

	Total Score x Public	
Restoration/Enhancement Value	Benefit	44

### **Restoration Project Ranking**

#### Project Name: Harding Garlic Mustard Control

#### Project Location: see Figure 3e

Criteria

**Restoration/Enhancement Value** 

28

#### Value Score

#### Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		9
restoration work would support projects on GS and Park	3 pts.	5
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	3
Invasive Species Control	<u> </u>	

#### **Metric 2: Restoration Size and Timeline**

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	<u>5 pts.</u>	F
1 to <2 acres	3 pts.	5
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	2
Restoration can be accomplished within 3-10 years	3 pts.	5
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	-
Other Property (e.g., upland) Restoration Activities	5 pts.	5
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	1
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

20+ acre	7 pts.	
5-20 acre	5 pts.	E
1.0-4.9 acre	3 pts.	5
<1 acre	1 pts.	

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	2
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	•
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	0
	Buffer Strip (10' min.)	2 pts.	U
	Tree Planting	2 pts.	
	Other	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	0
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	U

10. Water Quantity Management (score one)			
Runoff Volume Management (for a 2yr, 24-hour storm)	Post-construction runoff volume = 0	6 ptc	
	(stormwater does not leave site)	6 <i>p</i> ts.	
	Post-construction runoff volume < Pre-	4 pts.	
	construction runoff volume		U U
	Post-construction runoff volume = pre-	2 ptc	
	construction runoff volume	2 pts.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner,	100%	12 nts	
donations, etc.	100 %	12 pt3.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	3
	25-49%	6 pts.	
	<25%	3 pts.	

TOTAL SCORE	36

a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)		9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)		5 pts.	7
	LOW (not easily accessible and/or low user numbers)		1 pts.	
b. Costs				-
	1. Implementation Year 1	\$	15	,000.00
2 5-	vear Operations and Maintenance Costs (O&M)	¢	75	000 00

2. 5-year Operations a	and Maintenance Costs (U&M)	\$ 75	,000.00
(B) Estimated Total Cost of Project		\$ 90	,000.00

Public Benefit Ranking

77.78

### **Restoration Project Ranking**

#### Project Name: Harding Woody Species Control

**Project Location: see Figure 3** 

Criteria

### **Restoration/Enhancement Value**

27

#### Value Score

#### **Metric 1: Restoration Location and Type**

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		٩
restoration work would support projects on GS and Park	3 pts.	
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	10
Invasive Species Control	3 pts.	

#### **Metric 2: Restoration Size and Timeline**

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	10
1 to <2 acres	3 pts.	10
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	1
Restoration can be accomplished within 3-10 years	3 pts.	-
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	-
Other Property (e.g., upland) Restoration Activities	5 pts.	5
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	2
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

20+ acre	7 pts.	
5-20 acre	5 pts.	-
1.0-4.9 acre	3 pts.	5
<1 acre	1 pts.	

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	6
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	•
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

#### 8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	•
	Buffer Strip (10' min.)	2 pts.	U
	Tree Planting	2 pts.	
	Other	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	•
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	0

#### 10. Water Quantity Management (score one)

Runoff Volume Management (for a 2yr, 24-hour storm)	Post-construction runoff volume = 0 (stormwater does not leave site)	6 pts.	
	Post-construction runoff volume < Pre- construction runoff volume	4 pts.	0
	Post-construction runoff volume = pre- construction runoff volume	2 pts.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner, donations, etc.	100%	12 pts.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	0
	25-49%	6 pts.	
	<25%	3 pts.	

TOTAL SCORE	48
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a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)		9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)		5 pts.	7
	LOW (not easily accessible and/or low user numbers)		1 pts.	
b. Costs				
	1. Implementation Year 1	1 \$ 25,000.00		,000.00
2.	10-year Operations and Maintenance Costs (O&M)	) \$ 100,000.0		,000.00

(B) Estimated Total Cost of Project

Public Benefit Ranking

\$

125,000.00

56.00

Restoration/Enhancement Value	Total Score x Public	27
	Benefit	21

### **Restoration Project Ranking**

#### Project Name: White Fen and Tamarack Swamp Enhancement

Project Location: see Figure 4a

#### Criteria

#### Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		9
restoration work would support projects on GS and Park	3 pts.	5
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	10
Invasive Species Control	3 pts.	

#### Metric 2: Restoration Size and Timeline

≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	- E
1 to <2 acres	3 pts.	5
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	2
Restoration can be accomplished within 3-10 years	3 pts.	3
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	7
Other Property (e.g., upland) Restoration Activities	5 pts.	
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	2
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

1. Invasive Plant Treatment Area (score one)

20+ acre	7 pts.	
5-20 acre	5 pts.	2
1.0-4.9 acre	3 pts.	3
<1 acre	1 pts.	

# Value Score

**Restoration/Enhancement Value** 

65

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	8
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	2
Low (mapped as historic wetland only)	1 pts.	5
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	•
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	0
	Buffer Strip (10' min.)	2 pts.	U
	Tree Planting	2 pts.	
	Other	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	•
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	0

10. Water Quantity Management (score one)			
Bunoff Valuma Managament (for a 200 24 hourstown)	Post-construction runoff volume = 0	6 ptc	
Runon volume Management (for a 2yr, 24-hour storm)	(stormwater does not leave site)	$\theta \mu s.$	
	Post-construction runoff volume < Pre-	1 ptc	<u>ہ</u>
	construction runoff volume	4 pts.	U
	Post-construction runoff volume = pre-	2 nto	
	construction runoff volume	2 pts.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	3
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner,	100%	12 nts	
donations, etc.	100 /0	12 pt3.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	3
	25-49%	6 pts.	
	<25%	3 pts.	

TOTAL SCORE	56
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(B) Est

a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	7
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs		_	
	1. Implementation Year 1	\$	10,000.00

	2. 5-year Operations and Maintenance Costs (O&M)	\$ 50,000.00
imated Total Cost of Project		\$ 60,000.00

Public Benefit Ranking **116.67** 

Restoration/Enhancement Value	Total Score x Public Benefit	65
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### **Restoration Project Ranking**

#### Project Name: White Forested Wetland Enhancement

**Project Location: see Figure 4b** 

#### Criteria

#### Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		0
restoration work would support projects on GS and Park	3 pts.	9
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	10
Invasive Species Control	3 pts.	

#### Metric 2: Restoration Size and Timeline

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	
1 to <2 acres	3 pts.	1 1
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	2
Restoration can be accomplished within 3-10 years	3 pts.	5
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	-
Other Property (e.g., upland) Restoration Activities	5 pts.	
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	2
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

1. Invasive Plant Treatment Area (score one)

20+ acre	7 pts.	
5-20 acre	5 pts.	E
1.0-4.9 acre	3 pts.	5
<1 acre	1 pts.	

# **Restoration/Enhancement Value**

43

Value Score

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)		6
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	•
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

#### 8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	•
	Buffer Strip (10' min.)	2 pts.	U
	Tree Planting	2 pts.	
	Other	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	0
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	0

#### 10. Water Quantity Management (score one)

Runoff Volume Management (for a 2yr, 24-hour storm)	Post-construction runoff volume = 0 (stormwater does not leave site)	6 pts.	
	Post-construction runoff volume < Pre- construction runoff volume	4 pts.	0
	Post-construction runoff volume = pre- construction runoff volume	2 pts.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner, donations, etc.	100%	12 pts.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	3
	25-49%	6 pts.	
	<25%	3 pts.	

TOTAL SCORE	52
TOTAL SCORE	52

a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	7
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs			-
	1. Implementation Year 1	\$ 10	,000.00
	2. 10-year Operations and Maintenance Costs (O&M)	\$ 75	5,000.00

	2. 10-year Operations and Maintenance Costs (O&M)	\$ 75,000.00
(B) Estimated Total Cost of Project		\$ 85,000.00

Public Benefit Ranking 82.35

Restoration/Enhancement Value	Total Score x Public Benefit	43
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### **Restoration Project Ranking**

#### Project Name: White Swallow Wort Control

Project Location: see Figure 4c

Criteria

### **Restoration/Enhancement Value**

42

#### Value Score

#### Metric 1: Restoration Location and Type

_a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		0
restoration work would support projects on GS and Park	3 pts.	9
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	3
Invasive Species Control	3 pts.	

#### **Metric 2: Restoration Size and Timeline**

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	- 1
1 to <2 acres	3 pts.	1
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	2
Restoration can be accomplished within 3-10 years	3 pts.	5
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	-
Other Property (e.g., upland) Restoration Activities	5 pts.	5
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	1
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

20+ acre	7 pts.	
5-20 acre	5 pts.	- 1
1.0-4.9 acre	3 pts.	1
<1 acre	1 pts.	

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	2
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other: <u>swallowort</u>	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	•
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	
	Buffer Strip (10' min.)	2 pts.	U
	Tree Planting	2 pts.	
	Other	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	0
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	0

10. Water Quantity Management (score one)			
Runoff Volume Management (for a 2vr. 24-hour storm)	Post-construction runoff volume = 0	6 pts.	
	(stormwater does not leave site)	- <i>p</i>	
	Post-construction runoff volume < Pre-	1 ntc	0
	construction runoff volume	4 pts.	v
	Post-construction runoff volume = pre-	2	
	construction runoff volume	2 pts.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner, donations, etc.	100%	12 pts.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	0
	25-49%	6 pts.	-
	<25%	3 pts.	

TOTAL SCORE	25
-------------	----

a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	5
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs			-
	1 Implementation Year 1	¢	5 000 00

	1. Implementation Year 1	\$ 5,000.00
	2. 5-year Operations and Maintenance Costs (O&M)	\$ 25,000.00
(B) Estimated Total Cost of Project		\$ 30,000.00

Public Benefit Ranking 166.67

Restoration/Enhancement Value	Total Score x Public	42
	Benefit	

### **Restoration Project Ranking**

#### Project Name: White Parcel Barberry Control

Project Location: see Figure 4d

Criteria

### **Restoration/Enhancement Value**

30

#### Value Score

#### Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		9
restoration work would support projects on GS and Park	3 pts.	9
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	10
Invasive Species Control	3 pts.	

#### **Metric 2: Restoration Size and Timeline**

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	E
1 to <2 acres	3 pts.	5
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	1
Restoration can be accomplished within 3-10 years	3 pts.	-
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	E
Other Property (e.g., upland) Restoration Activities	5 pts.	5
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	2
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

20+ acre	7 pts.	
5-20 acre	5 pts.	2
1.0-4.9 acre	3 pts.	3
<1 acre	1 pts.	

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	2
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other:	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	•
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	•
	Buffer Strip (10' min.)	2 pts.	U
	Tree Planting	2 pts.	
	Other	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	0
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	0

10. Water Quantity Management (score one)			
Dunoff Volume Management (for a 200 24 hour store)	Post-construction runoff volume = 0	6 ptc	
Runon volume Management (for a 2yr, 24-nour storm)	(stormwater does not leave site)	$_{0}$ $\mu$ cs.	
	Post-construction runoff volume < Pre-	1 ntc	•
	construction runoff volume	4 pts.	U
	Post-construction runoff volume = pre-	2 ptc	
	construction runoff volume	z pis.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner, donations, etc.	100%	12 pts.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	0
	25-49%	6 pts.	-
	<25%	3 pts.	-

TOTAL SCORE	37
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a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	7
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs			-
	1. Implementation Year 1	\$	10,000.00
	2. 10-year Operations and Maintenance Costs (O&M)	\$	75,000.00

(B)	Estimated	Total	Cost c	of Proje	ct

Public Benefit Ranking 82.35

\$

85,000.00

Restoration/Enhancement Value	Total Score x Public	30
Restoration/Enhancement value	Benefit	50

### **Restoration Project Ranking**

#### Project Name: White Scrub-Shrub Wetland Enhancement

Project Location: see Figure 4e

#### Criteria

#### Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		9
restoration work would support projects on GS and Park	3 pts.	9
Properties		
Non-Green Space or Park Property (e.g., next to a river,		
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	3
Invasive Species Control	3 pts.	

#### Metric 2: Restoration Size and Timeline

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	-
1 to <2 acres	3 pts.	5
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	2
Restoration can be accomplished within 3-10 years	3 pts.	5
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	-
Other Property (e.g., upland) Restoration Activities	5 pts.	
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	2
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

1. Invasive Plant Treatment Area (score one)

20+ acre	7 pts.	
5-20 acre	5 pts.	F
1.0-4.9 acre	3 pts.	5
<1 acre	1 pts.	

### **Restoration/Enhancement Value**

26

Value

Score

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	4
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other:	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	•
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	•
	Buffer Strip (10' min.)	2 pts.	U
	Tree Planting	2 pts.	
	Other	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	0
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	0

10. Water Quantity Management (score one)			
Runoff Volume Management (for a 2yr, 24-hour storm)	Post-construction runoff volume = $0$	6 pts.	
	Post-construction runoff volume < Pre-		
	construction runoff volume	4 pts.	0
	Post-construction runoff volume = pre-	2 pts.	
	construction runoff volume	1	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner, donations, etc.	100%	12 pts.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	3
	25-49%	6 pts.	
	<25%	3 pts.	

TOTAL SCORE	41
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a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use P	HIGH (existing maintained trails, arkland, heavy use)	9 pts.	
N tr	IODERATE (open to the public, rustic rails, moderate use)	5 pts.	7
L	OW (not easily accessible and/or low ser numbers)	1 pts.	
b. Costs			
	1. Implementation Year 1	\$ 10	,000.00

2. 10-year Operations and Maintenance Costs (O&M)	9	5 100,000.00
(B) Estimated Total Cost of Project	\$	5 110,000.00

Public Benefit Ranking

63.64

Restoration/Enhancement Value	Total Score x Public	26
	Benefit	20

### **Restoration Project Ranking**

#### Project Name: White Woody Species Control

**Project Location: see Figure 4** 

Criteria

# **Restoration/Enhancement Value**

25

#### Value Score

#### Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		9
restoration work would support projects on GS and Park	3 pts.	5
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	3
Invasive Species Control	3 pts.	

#### **Metric 2: Restoration Size and Timeline**

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	
1 to <2 acres	3 pts.	1 1
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	1
Restoration can be accomplished within 3-10 years	3 pts.	-
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	12
Other Property (e.g., upland) Restoration Activities	5 pts.	12
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	2
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

20+ acre	7 pts.	
5-20 acre	5 pts.	E
1.0-4.9 acre	3 pts.	5
<1 acre	1 pts.	

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	6
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other:	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	0
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	0
	Buffer Strip (10' min.)	2 pts.	U
	Tree Planting	2 pts.	
	Other	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	U

10. Water Quantity Management (score one)		
Dunoff Valuma Managament (Surg 2 m 24 hourstand)	Post-construction runoff volume = 0	6 ptc
Runon volume Management (for a 2yr, 24-nour storm)	(stormwater does not leave site)	o pis.
	Post-construction runoff volume < Pre-	4 ntc
	construction runoff volume	4 pts.
	Post-construction runoff volume = pre-	2 ptc

#### **Metric 4: Public Funding Benefits**

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner, donations, etc.	100%	12 pts.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	0
	25-49%	6 pts.	
	<25%	3 pts.	

construction runoff volume

0

2 pts.
a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)		9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)		5 pts.	7
	LOW (not easily accessible and/or low user numbers)		1 pts.	
b. Costs		_	-	
	1. Implementation Year 1	\$	25,	,000.00
	2. 10-year Operations and Maintenance Costs (O&M)	4) \$ 100,000.00		,000.00
(B) Estimated Total Cost of Project		\$	125	.000.00

Public Benefit Ranking 56.00

Restoration/Enhancement Value	Total Score x Public	25
	Benefit	

### **Restoration Project Ranking**

#### Project Name: Cloverport Sediment Control

#### Project Location: see Figure 5a

Criteria

**Restoration/Enhancement Value** 

46

### Value Score

#### Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		17
restoration work would support projects on GS and Park	3 pts.	17
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restorat	ion Type (score all that apply)		
Habitat Re	storation	7 pts.	
Erosion/S	ediment Control	5 pts.	12
Invasive S	pecies Control	3 pts.	

#### **Metric 2: Restoration Size and Timeline**

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	<u>5 pts.</u>	E .
1 to <2 acres	3 pts.	5
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	10
Restoration can be accomplished within 3-10 years	3 pts.	10
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	12
Other Property (e.g., upland) Restoration Activities	5 pts.	12
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	2
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

1. Invasive Plant Treatment Area (score one)

20+ acre	7 pts.	
5-20 acre	5 pts.	0
1.0-4.9 acre	3 pts.	U
<1 acre	1 pts.	

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	0
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other:	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	3
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	7
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	F
	0.5-0.99 acres	3 pts.	5
	<0.5 acres	1 pts.	

#### 8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	6
	Buffer Strip (10' min.)	2 pts.	0
	Tree Planting	2 pts.	
	Other Bank Stabilization	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	0
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	0

#### 10. Water Quantity Management (score one)

Runoff Volume Management (for a 2yr, 24-hour storm)	Post-construction runoff volume = 0 (stormwater does not leave site)	6 pts.	
	Post-construction runoff volume < Pre- construction runoff volume	4 pts.	6
	Post-construction runoff volume = pre- construction runoff volume	2 pts.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner,	100%	12 nts	
donations, etc.	100,0	12 pt3.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	9
	25-49%	6 pts.	
	<25%	3 pts.	

TOTAL SCORE	94
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a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, garkland, heavy use)	) pts.	
	MODERATE (open to the public, rustic 5 trails, moderate use)	i pts.	5
	LOW (not easily accessible and/or low user numbers)	pts.	
b. Costs			
	1. Implementation Year 1 \$	100	,000.00
2.	3-year Operations and Maintenance Costs (O&M) \$	3	,000.00
(B) Estimated Total Cost of Project	\$	103	,000.00

	2. 3-year Operations and Maintenance Costs (O
) Estimated Total Cost of Project	

Public Benefit Ranking

Restoration/Enhancement Value	Total Score x Public	46
	Benefit	10

### **Restoration Project Ranking**

#### Project Name: Cloverport Bank Stabilization

**Project Location: see Figure 5b** 

Criteria

**Restoration/Enhancement Value** 

32

Value Score

#### **Metric 1: Restoration Location and Type**

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		14
restoration work would support projects on GS and Park	3 pts.	
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	i pis.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	12
Invasive Species Control	3 pts.	

#### **Metric 2: Restoration Size and Timeline**

≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	2
1 to <2 acres	3 pts.	5
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	10
Restoration can be accomplished within 3-10 years	3 pts.	10
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	12
Other Property (e.g., upland) Restoration Activities	5 pts.	12
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	2
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

1. Invasive Plant Treatment Area (score one)

20+ acre	7 pts.	
5-20 acre	5 pts.	0
1.0-4.9 acre	3 pts.	U
<1 acre	1 pts.	

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	0
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other:	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	7
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	7
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	2
	0.5-0.99 acres	3 pts.	3
	<0.5 acres	1 pts.	

#### 8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	4
	Buffer Strip (10' min.)	2 pts.	4
	Tree Planting	2 pts.	
	Other Bank Stabilization	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	0
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	J

#### 10. Water Quantity Management (score one)

Runoff Volume Management (for a 2yr, 24-hour storm)	Post-construction runoff volume = 0 (stormwater does not leave site)	6 pts.	
	Post-construction runoff volume < Pre- construction runoff volume	4 pts.	6
	Post-construction runoff volume = pre- construction runoff volume	2 pts.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	3
b. Funding Benefits (score one)			
<ol><li>Matching dollars/resources from Grants, Landowner,</li></ol>	100%	12 ptc	
donations, etc.	100 /8	12 pts.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	9
	25-49%	6 pts.	
	<25%	3 pts.	

TOTAL SCORE	92
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a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	7
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs			
	1. Implementation Year 1	\$ 200	,000.00
2. 10-ye	ear Operations and Maintenance Costs (O&M)	\$	-

(B) Estimated Total Cost of Project

Public Benefit Ranking

\$

200,000.00

	Total Score x Public	22
Restoration/Enhancement Value	Benefit	32

### **Restoration Project Ranking**

#### Project Name: Cloverport Phragmites Control

#### Project Location: see Figure 5c

Criteria

**Restoration/Enhancement Value** 

28

#### Value Score

#### Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		٩
restoration work would support projects on GS and Park	3 pts.	
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	3
Invasive Species Control	3 pts.	

#### **Metric 2: Restoration Size and Timeline**

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	-
1 to <2 acres	3 pts.	-
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	2
Restoration can be accomplished within 3-10 years	3 pts.	5
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	7
Other Property (e.g., upland) Restoration Activities	5 pts.	
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	1
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

1. Invasive Plant Treatment Area (score one)

20+ acre	7 pts.	
5-20 acre	5 pts.	4
1.0-4.9 acre	3 pts.	1
<1 acre	1 pts.	

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	2
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other:	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	•
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

#### 8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	•
	Buffer Strip (10' min.)	2 pts.	U
	Tree Planting	2 pts.	
	Other Bank Stabilization	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	•
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	0

#### 10. Water Quantity Management (score one) Runoff Volume Management (for a 2yr, 24-bu Post-construction runoff volume = 0

Runoff Volume Management (for a 2yr, 24-hour storm)	Post-construction runoff volume = 0 (stormwater does not leave site)	6 pts.	
	Post-construction runoff volume < Pre- construction runoff volume	4 pts.	0
	Post-construction runoff volume = pre- construction runoff volume	2 pts.	

#### **Metric 4: Public Funding Benefits**

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
h Funding Denefite (company)			
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner,	100%	12 nts	
donations, etc.	100 /0	12 pts.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	0
	25-49%	6 pts.	
	<25%	3 pts.	

TOTAL SCORE	28
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a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	3
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs		_	-
	1 Implementation Year 1	\$	5 000 00

		₽	5,000.00
	2. 5-year Operations and Maintenance Costs (O&M)	\$	25,000.00
(B) Estimated Total Cost of Project		\$	30,000.00

Public Benefit Ranking 100.00

Restoration/Enhancement Value	Total Score x Public Bonofit	28
-	Benefit	

### **Restoration Project Ranking**

#### Project Name: Cloverport Garlic Mustard Control

Project Location: see Figure 5d

Criteria

### **Restoration/Enhancement Value**

27

Value Score

#### Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		•
restoration work would support projects on GS and Park	3 pts.	5
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	3
Invasive Species Control	3 pts.	

#### Metric 2: Restoration Size and Timeline

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	2
1 to <2 acres	3 pts.	3
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	2
Restoration can be accomplished within 3-10 years	3 pts.	5
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	E
Other Property (e.g., upland) Restoration Activities	5 pts.	5
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	1
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

1. Invasive Plant Treatment Area (score one)

20+ acre	7 pts.	
5-20 acre	5 pts.	2
1.0-4.9 acre	3 pts.	3
<1 acre	1 pts.	

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	2
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other: <u>Garlic Mustard</u>	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	•
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

#### 8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	•
	Buffer Strip (10' min.)	2 pts.	U
	Tree Planting	2 pts.	
	Other Bank Stabilization	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	•
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	0

#### 10. Water Quantity Management (score one)

Runoff Volume Management (for a 2yr, 24-hour storm)	Post-construction runoff volume = 0 (stormwater does not leave site)	6 pts.	
	Post-construction runoff volume < Pre- construction runoff volume	4 pts.	0
	Post-construction runoff volume = pre- construction runoff volume	2 pts.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner, donations, etc.	100%	12 pts.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	3
	25-49%	6 pts.	
	<25%	3 pts.	

a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	3
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs			

	φ	10,000.00
2. 5-year Operations and Maintenance Costs (O&M	) \$	25,000.00
(B) Estimated Total Cost of Project	\$	35,000.00

Public Benefit Ranking

Restoration/Enhancement Value	Total Score x Public Benefit	27
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### **Restoration Project Ranking**

#### Project Name: Cloverport Woody Species Control

#### Project Location: see Figure 5

Criteria

# Restoration/Enhancement Value

22

#### Value Score

#### **Metric 1: Restoration Location and Type**

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		9
restoration work would support projects on GS and Park	3 pts.	9
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	10
Invasive Species Control	3 pts.	

#### Metric 2: Restoration Size and Timeline

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	-
1 to <2 acres	3 pts.	5
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	1
Restoration can be accomplished within 3-10 years	3 pts.	-
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	12
Other Property (e.g., upland) Restoration Activities	5 pts.	12
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	2
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

1. Invasive Plant Treatment Area (score one)

20+ acre	7 pts.	
5-20 acre	5 pts.	
1.0-4.9 acre	3 pts.	5
<1 acre	1 pts.	

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	4
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other:	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	•
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	0
	Buffer Strip (10' min.)	2 pts.	U
	Tree Planting	2 pts.	
	Other	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	0
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	5

10. Water Quantity Management (score one)			
Runoff Volume Management (for a 2yr, 24-hour storm)	Post-construction runoff volume = 0	6 pts.	
	Post-construction runoff volume < Pre-		
	construction runoff volume	4 pts.	0
	Post-construction runoff volume = pre-	2 nts.	
	construction runoff volume	- pt5.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner, donations, etc.	100%	12 pts.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	3
	25-49%	6 pts.	
	<25%	3 pts.	

TOTAL SCORE	49
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a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	5
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs			-
	1. Implementation Year 1	\$ 10	,000.00
	2. 10-year Operations and Maintenance Costs (O&M)	\$ 100	,000.00
(B) Estimated Total Cost of Project		\$ 110	,000.00

	2. 10-year Operations and Maintenance Costs (O&M)	\$ 100,000.00
Estimated Total Cost of Project		\$ 110,000.00

Public Benefit Ranking

Restoration/Enhancement Value	Total Score x Public	22
	Benefit	

### **Restoration Project Ranking**

#### Project Name: Childress Woody Species Control

#### **Project Location: see Figure 6**

# Restoration/Enhancement Value **9**

Value Score

#### **Criteria** Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		٩
restoration work would support projects on GS and Park	3 pts.	,
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	3
Invasive Species Control	3 pts.	

#### **Metric 2: Restoration Size and Timeline**

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	~
1 to <2 acres	3 pts.	3
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	2
Restoration can be accomplished within 3-10 years	3 pts.	5
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	-
Other Property (e.g., upland) Restoration Activities	5 pts.	5
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	0
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

1. Invasive Plant Treatment Area (score one)

20+ acre	7 pts.	
5-20 acre	5 pts.	2
1.0-4.9 acre	3 pts.	3
<1 acre	1 pts.	

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	6
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other:	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	•
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

#### 8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	•
	Buffer Strip (10' min.)	2 pts.	U
	Tree Planting	2 pts.	
	Other	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	0
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	U

#### 10. Water Quantity Management (score one)

Runoff Volume Management (for a 2yr, 24-hour storm)	Post-construction runoff volume = 0 (stormwater does not leave site)	6 pts.	
	Post-construction runoff volume < Pre- construction runoff volume	4 pts.	0
	Post-construction runoff volume = pre- construction runoff volume	2 pts.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner,	100%	12 nts	
donations, etc.	100 /0	12 pt3.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	0
	25-49%	6 pts.	
	<25%	3 pts.	-

TOTAL SCORE	32
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a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	3
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs		_	-
	1. Implementation Year 1	\$ 1	0 000 00

	1. Implementation real 1	≯	10,000.00
	2. 10-year Operations and Maintenance Costs (O&M)	\$	100,000.00
(B) Estimated Total Cost of Project		\$	110,000.00

Public Benefit Ranking

Restoration/Enhancement Value	Total Score x Public	9
	Benefit	<b>J</b>

### **Restoration Project Ranking**

Project Name: Rivercrest Hard Armory Removal/Bank Restoration

#### Project Address: see Figure 7a

#### Criteria

#### Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		14
restoration work would support projects on GS and Park	3 pts.	14
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	<u> </u>	12
Invasive Species Control	3 pts.	

#### **Metric 2: Restoration Size and Timeline**

≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	
1 to <2 acres	3 pts.	-
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	10
Restoration can be accomplished within 3-10 years	3 pts.	10
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	F
Other Property (e.g., upland) Restoration Activities	5 pts.	5
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	1
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

1. Invasive Plant Treatment Area (score one)

20+ acre	7 pts.	
5-20 acre	5 pts.	4
1.0-4.9 acre	3 pts.	-
<1 acre	1 pts.	

### **Restoration/Enhancement Value**

28

Value

Score

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	0
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other:	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	5
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	4
	0.5-0.99 acres	3 pts.	1
	<0.5 acres	1 pts.	

8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	2
	Buffer Strip (10' min.)	2 pts.	2
	Tree Planting	2 pts.	
	Other Bank Restoration	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	•
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	0

10. Water Quantity Management (score one)	
Pupoff Volume Management (for a 2)/r 24 hour storm)	Post-construction runoff volume = 0
Runon volume Management (lor a 291, 24-hour storm)	(stormwater does not leave site)
	Post-construction runoff volume < Pre-
	construction runoff volume
	Post-construction runoff volume = pre-

#### Metric 4: Public Funding Benefits

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner, 10	۵%	12 nts	
donations, etc.	0 /0	12 pt3.	
(includes direct donation, property, labor, materials, etc.) 50-9	9%	9 pts.	3
25-4	9%	6 pts.	
<2	5%	3 pts.	

TOTAL SCORE	
-------------	--

construction runoff volume

55

0

6 pts.

4 pts.

2 pts.

a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	3
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs			-
	1 Transactorian Vacual	<i>c C</i>	0 000 00

	1. Implementation Year 1	\$ 50,000.00
	2. 10-year Operations and Maintenance Costs (O&M)	\$ 10,000.00
(B) Estimated Total Cost of Project		\$ 60,000.00

Public Benefit Ranking

Restoration/Enhancement Value	Total Score x Public	28
	Benefit	

### **Restoration Project Ranking**

#### Project Name: Rivercrest Woody Species Control

Project Location: see Figure 7b

#### Criteria

#### Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		•
restoration work would support projects on GS and Park	3 pts.	5
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	10
Invasive Species Control	3 pts.	

#### **Metric 2: Restoration Size and Timeline**

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	~
1 to <2 acres	3 pts.	3
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	1
Restoration can be accomplished within 3-10 years	3 pts.	-
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	E
Other Property (e.g., upland) Restoration Activities	5 pts.	5
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	1
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

1. Invasive Plant Treatment Area (score one)

20+ acre	7 pts.	
5-20 acre	5 pts.	2
1.0-4.9 acre	3 pts.	3
<1 acre	1 pts.	

## 4

Value

Score

**Restoration/Enhancement Value** 

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	6
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other:	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

300+ ft.	7 pts.	
100-300 ft.	5 pts.	0
<100 ft.	3 pts.	
	300+ ft. 100-300 ft. <100 ft.	300+ ft. 7 pts.   100-300 ft. 5 pts.   <100 ft.

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	•
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

#### 8. Developed BMP Types (score all that apply)

BMPs to be Implemented Retention/Sedimentation Basin		4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	0
	Tree Planting	2 pts.	
	Other	Pts. as assigned	
9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	0
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	0

10. Water Quantity Management (score one)

Runoff Volume Management (for a 2yr, 24-hour storm)	Post-construction runoff volume = 0 (stormwater does not leave site)	6 pts.	
	Post-construction runoff volume < Pre- construction runoff volume	4 pts.	0
	Post-construction runoff volume = pre- construction runoff volume	2 pts.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner, donations, etc.	100%	12 pts.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	0
	25-49%	6 pts.	
	<25%	3 pts.	

TOTAL SCORE	38
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a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	1
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs			

Year 1 \$	15,000.00
(O&M) <i>\$</i>	75,000.00
\$	90,000.00
	Year 1 \$ (O&M) \$ \$

Public Benefit Ranking11.11

Restoration/Enhancement Value	Total Score x Public Benefit	4
	Bellene	

### **Restoration Project Ranking**

#### Project Name: Clear Creek PSS and Sedge Meadow Enhancement

#### Project Location: see Figure 8a

#### Criteria

#### Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		0
restoration work would support projects on GS and Park	3 pts.	9
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	10
Invasive Species Control	3 pts.	

#### **Metric 2: Restoration Size and Timeline**

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	-
1 to <2 acres	3 pts.	
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	2
Restoration can be accomplished within 3-10 years	3 pts.	5
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	7
Other Property (e.g., upland) Restoration Activities	5 pts.	
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	2
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

1. Invasive Plant Treatment Area (score one)

20+ acre	7 pts.	
5-20 acre	5 pts.	F
1.0-4.9 acre	3 pts.	5
<1 acre	1 pts.	

### **Restoration/Enhancement Value**

31

Value Score

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)		6
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other:	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	•
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

#### 8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	•
	Buffer Strip (10' min.)	2 pts.	U
	Tree Planting	2 pts.	
	Other Bank Stabilization	Pts. as assigned	

9. Water Quality Treatment (score one)			
Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	0
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	U

#### 10. Water Quantity Management (score one)

Runoff Volume Management (for a 2yr, 24-hour storm)	Post-construction runoff volume = 0 (stormwater does not leave site)	6 pts.	
	Post-construction runoff volume < Pre- construction runoff volume	4 pts.	0
	Post-construction runoff volume = pre- construction runoff volume	2 pts.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
h Funding Benefite (score one)			
Matching dollars (recourses from Grants Landowner			T
donations, etc.	100%	12 pts.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	3
	25-49%	6 pts.	-
	<25%	3 pts.	

a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	3
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs			

	1. Implementation Year 1	\$ 8,000.00
2. 10-уе	ar Operations and Maintenance Costs (O&M)	\$ 42,000.00
(B) Estimated Total Cost of Project		\$ 50,000.00

Public Benefit Ranking 60.00

Restoration/Enhancement Value	Total Score x Public Benefit	31
	= = = = = = = =	

### **Restoration Project Ranking**

#### Project Name: Clear Creek Phragmites Control

#### **Project Location: see Figure 8b**

Criteria

**Restoration/Enhancement Value** 

13

#### Value Score

#### **Metric 1: Restoration Location and Type**

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		٩
restoration work would support projects on GS and Park	3 pts.	
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	3
Invasive Species Control	3 pts.	

#### **Metric 2: Restoration Size and Timeline**

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	~
1 to <2 acres	3 pts.	3
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	2
Restoration can be accomplished within 3-10 years	3 pts.	5
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	-
Other Property (e.g., upland) Restoration Activities	5 pts.	
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	2
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

1. Invasive Plant Treatment Area (score one)

20+ acre	7 pts.	
5-20 acre	5 pts.	2
1.0-4.9 acre	3 pts.	3
<1 acre	1 pts.	

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	2
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other:	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	•
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

#### 8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	•
	Buffer Strip (10' min.)	2 pts.	U
	Tree Planting	2 pts.	
	Other Bank Stabilization	Pts. as assigned	

9. Water Quality Treatment (score one)

Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	•
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	U

#### 10. Water Quantity Management (score one)

Runoff Volume Management (for a 2yr, 24-hour storm)	Post-construction runoff volume = 0 (stormwater does not leave site)	6 pts.	
	Post-construction runoff volume < Pre- construction runoff volume	4 pts.	0
	Post-construction runoff volume = pre- construction runoff volume	2 pts.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner,	100%	12 ntc	
donations, etc.	100 %	12 pts.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	0
	25-49%	6 pts.	
	<25%	3 pts.	

TOTAL SCORE	32
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a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
MODERATE (open to the public, trails, moderate use)	rustic 5 pts.	1
LOW (not easily accessible and/or user numbers)	low <u>1 pts.</u>	
b. Costs		

1. Implementation Year 1	\$ 5,000.00
2. 5-year Operations and Maintenance Costs (O&M)	\$ 20,000.00
(B) Estimated Total Cost of Project	\$ 25,000.00

Public Benefit Ranking

Restoration/Enhancement Value	Total Score x Public Benefit	13
-	Benefit	

### **Restoration Project Ranking**

#### Project Name: Clear Creek Woody Species Control (upland)

#### **Project Location: see Figure 8**

#### Criteria

#### Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		•
restoration work would support projects on GS and Park	3 pts.	5
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	10
Invasive Species Control	3 pts.	

#### Metric 2: Restoration Size and Timeline

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	10
1 to <2 acres	3 pts.	10
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	1
Restoration can be accomplished within 3-10 years	3 pts.	-
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	E
Other Property (e.g., upland) Restoration Activities	5 pts.	5
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	2
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

1. Invasive Plant Treatment Area (score one)

20+ acre	7 pts.	
5-20 acre	5 pts.	E
1.0-4.9 acre	3 pts.	5
<1 acre	1 pts.	

### **Restoration/Enhancement Value**

6

Value Score

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	10
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other:	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	•
	0.5-0.99 acres	3 pts.	U
	<0.5 acres	1 pts.	

#### 8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	•
	Buffer Strip (10' min.)	2 pts.	U
	Tree Planting	2 pts.	
	Other Bank Stabilization	Pts. as assigned	

9. Water Quality Treatment (score one)

Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	•
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	U

#### 10. Water Quantity Management (score one)

Runoff Volume Management (for a 2yr, 24-hour storm)	Post-construction runoff volume = 0 (stormwater does not leave site)	6 pts.	
	Post-construction runoff volume < Pre-	4 pts.	0
	Post-construction runoff volume = pre- construction runoff volume	2 pts.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner, donations, etc.	100%	12 pts.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	0
	25-49%	6 pts.	
	<25%	3 pts.	

TOTAL SCORE	52
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a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	3
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs			-
	1 Implementation Vear 1	¢ 2	

	1. Implementation Year 1	\$ 25,000.00
	2. 10-year Operations and Maintenance Costs (O&M)	\$ 250,000.00
(B) Estimated Total Cost of Project		\$ 275,000.00

Public Benefit Ranking

Restoration/Enhancement Value	Total Score x Public Benefit	6
	Denene	

### **Restoration Project Ranking**

#### Project Name: Yates Property Stream Restoration (CR-25)

Project Location: see Sheets 1 and 2

#### Criteria

#### Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		15
restoration work would support projects on GS and Park	3 pts.	15
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	i pis.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	<u> </u>	12
Invasive Species Control	3 pts.	

#### Metric 2: Restoration Size and Timeline

≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	2
1 to <2 acres	3 pts.	-
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	10
Restoration can be accomplished within 3-10 years	3 pts.	10
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

#### Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	F
Other Property (e.g., upland) Restoration Activities	5 pts.	5
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	4
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

1. Invasive Plant Treatment Area (score one)

20+ acre	7 pts.	
5-20 acre	5 pts.	•
1.0-4.9 acre	3 pts.	U
<1 acre	1 pts.	

### Restoration/Enhancement Value

40

Value Score

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	0
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other:	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	7
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	7
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	2
	0.5-0.99 acres	3 pts.	3
	<0.5 acres	1 pts.	

#### 8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	6
	Buffer Strip (10' min.)	2 pts.	0
	Tree Planting	2 pts.	
	Other Bank Stabilization	Pts. as assigned	

9. Water Quality Treatment (score one)

Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	•
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	U

#### 10. Water Quantity Management (score one)

Runoff Volume Management (for a 2yr, 24-hour storm)	Post-construction runoff volume = 0 (stormwater does not leave site)	6 pts.	
	Post-construction runoff volume < Pre- construction runoff volume	4 pts.	6
	Post-construction runoff volume = pre- construction runoff volume	2 pts.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	3
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner,	100%	12 nts	
donations, etc.	100 /0	12 pts.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	9
	25-49%	6 pts.	
	<25%	3 pts.	

TOTAL SCORE	89
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a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	9
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs			
	1. Implementation Year 1	\$ 200	,000.00
2. 10-year	Operations and Maintenance Costs (O&M)	\$	-

(B) Estimated Total Cost of Project

Public Benefit Ranking

\$

200,000.00

	Total Score x Public	40
Restoration/Enhancement Value	Denefit	40
-	Benefit	

# **Restoration Project Ranking**

# Project Name: Avon Nature Area Stream Restoration (CR-17)

Project Location: see Sheets 1 and 2

# Criteria

## Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		12
restoration work would support projects on GS and Park	3 pts.	12
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	<u> </u>	12
Invasive Species Control	3 pts.	

## Metric 2: Restoration Size and Timeline

≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	- 1
1 to <2 acres	3 pts.	-
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	10
Restoration can be accomplished within 3-10 years	3 pts.	10
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

# Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	-
Other Property (e.g., upland) Restoration Activities	5 pts.	5
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	2
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

## Metric 3b: Restoration Activities

1. Invasive Plant Treatment Area (score one)

20+ acre	7 pts.	
5-20 acre	5 pts.	•
1.0-4.9 acre	3 pts.	U
<1 acre	1 pts.	

# Restoration/Enhancement Value **29**

Value

Score

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	0
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other:	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	5
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	5
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	4
	0.5-0.99 acres	3 pts.	1
	<0.5 acres	1 pts.	

## 8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	4
	Buffer Strip (10' min.)	2 pts.	4
	Tree Planting	2 pts.	
	Other Bank Stabilization	Pts. as assigned	

9. Water Quality Treatment (score one)

Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	•
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	U

#### 10. Water Quantity Management (score one)

Runoff Volume Management (for a 2yr, 24-hour storm)	
Post-construction runon volume < Pie- 4 pts.	6
construction runoff volume	-
Post-construction runoff volume = pre-	
construction runoff volume	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	3
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner,	100%	12 pts.	
donations, etc.			
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	6
	25-49%	6 pts.	
	<25%	3 pts.	

TOTAL SCORE	72
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a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	7
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs			
	1. Implementation Year 1	\$ 175	,000.00
	2. 10-year Operations and Maintenance Costs (O&M)	\$	-
(B) Estimated Total Cost of Project		\$ 175	,000.00

Public Benefit Ranking

Restoration/Enhancement Value	Total Score x Public	29
	Benefit	

# **Restoration Project Ranking**

# Project Name: Avon Nature Area Stream Restoration (CR-16)

Project Location: see Sheets 1 and 2

# Criteria

## Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		12
restoration work would support projects on GS and Park	3 pts.	12
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1 ptc	
along a public road, etc.)	i pis.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	12
Invasive Species Control	3 pts.	

## **Metric 2: Restoration Size and Timeline**

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	
1 to <2 acres	3 pts.	-
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	10
Restoration can be accomplished within 3-10 years	3 pts.	10
Restoration may not be possible within 10 years	1 pts.	

#### **Metric 3: Expected Benefits**

# Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

9 pts.	
7 pts.	F
5 pts.	5
5 pts.	
	9 pts. 7 pts. 5 pts. 5 pts.

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	2
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

## Metric 3b: Restoration Activities

1. Invasive Plant Treatment Area (score one)

20+ acre	7 pts.	
5-20 acre	5 pts.	0
1.0-4.9 acre	3 pts.	U
<1 acre	1 pts.	

# **Restoration/Enhancement Value**

27

Value

Score

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	0
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other:	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	3
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	3
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	4
	0.5-0.99 acres	3 pts.	1
	<0.5 acres	1 pts.	

## 8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	4
	Buffer Strip (10' min.)	2 pts.	4
	Tree Planting	2 pts.	
	Other Bank Stabilization	Pts. as assigned	

9. Water Quality Treatment (score one)

Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	•
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	U

#### 10. Water Quantity Management (score one)

Runoff Volume Management (for a 2yr, 24-hour storm)	Post-construction runoff volume = 0 (stormwater does not leave site)	6 pts.	
	Post-construction runoff volume < Pre- construction runoff volume	4 pts.	6
	Post-construction runoff volume = pre- construction runoff volume	2 pts.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	3
h Funding Benefite (score one)			
Matching dellars (score one)	1		
Matching dollars/resources from Grants, Landowner,	100%	12 pts.	
donations, etc.			
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	6
	25-49%	6 pts.	
	<25%	3 pts.	

TOTAL SCORE	68
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a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	7
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs			
	1. Implementation Year 1	\$ 175	,000.00
	2. 10-year Operations and Maintenance Costs (O&M)	\$	-
(B) Estimated Total Cost of Project		\$ 175	,000.00

Public Benefit Ranking

Restoration/Enhancement Value	Total Score x Public	27
	Benefit	<b>_</b> /

# **Restoration Project Ranking**

# Project Name: Riverbend Park Stream Restoration (CR-7)

Project Location: see Sheets 1 and 2

Criteria

# **Restoration/Enhancement Value**

26

# Value Score

# Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		12
restoration work would support projects on GS and Park	3 pts.	12
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	1 pts.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	<u> </u>	12
Invasive Species Control	3 pts.	

#### **Metric 2: Restoration Size and Timeline**

a. Restoration Size (score one)		
≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	-
1 to <2 acres	3 pts.	-
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	10
Restoration can be accomplished within 3-10 years	3 pts.	10
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

## Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	-
Other Property (e.g., upland) Restoration Activities	5 pts.	5
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	2
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

#### Metric 3b: Restoration Activities

1. Invasive Plant Treatment Area (score one)

20+ acre	7 pts.	
5-20 acre	5 pts.	•
1.0-4.9 acre	3 pts.	U
<1 acre	1 pts.	

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	0
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other:	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	3
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	3
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	4
	0.5-0.99 acres	3 pts.	-
	<0.5 acres	1 pts.	

## 8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	4
	Buffer Strip (10' min.)	2 pts.	4
	Tree Planting	2 pts.	
	Other Bank Stabilization	Pts. as assigned	

9. Water Quality Treatment (score one)

Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	•
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	U

#### 10. Water Quantity Management (score one)

Runoff Volume Management (for a 2yr, 24-hour storm)	Post-construction runoff volume = 0 (stormwater does not leave site)	6 pts.	
	Post-construction runoff volume < Pre- construction runoff volume	4 pts.	6
	Post-construction runoff volume = pre- construction runoff volume	2 pts.	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
b. Funding Benefits (score one)			
Matching dollars/resources from Grants, Landowner, donations, etc.	100%	12 pts.	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	6
	25-49%	6 pts.	
	<25%	3 pts.	

TOTAL SCORE	65
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a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	HIGH (existing maintained trails, parkland, heavy use)		9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)		5 pts.	7
	LOW (not easily accessible and/or low user numbers)		1 pts.	
b. Costs				
	1. Implementation Year 1	\$	\$ 175,000.00	
	2. 10-year Operations and Maintenance Costs (O&M)	)\$-		-
(B) Estimated Total Cost of Project		\$	175	,000.00

Public Benefit Ranking

Restoration/Enhancement Value I otal Score x Public 26			
Restoration/Enhancement Value Benefit 20	Postaration /Enhancement Value	i otal Score x Public	26
	Restoration/Enhancement value	Benefit	20

# **Restoration Project Ranking**

# Project Name: Bloomer Park Stream Restoration (CR-24)

Project Location: see Sheets 1 and 2

# **Restoration/Enhancement Value**

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# Criteria

#### Metric 1: Restoration Location and Type

a. Location (score all that apply)		
Greenspace Property	9 pts.	
Park Property	7 pts.	
Clinton River	5 pts.	
Property Adjacent to Green Space or Park Properties where		12
restoration work would support projects on GS and Park	3 pts.	12
Properties		
Non-Green Space or Park Property (e.g., next to a river,	1	
along a public road, etc.)	i pis.	

b. Restoration Type (score all that apply)		
Habitat Restoration	7 pts.	
Erosion/Sediment Control	5 pts.	12
Invasive Species Control	3 pts.	

## Metric 2: Restoration Size and Timeline

≥ 10 acres	10 pts.	
5 to <10 acres	7 pts.	
2 to <5 acres	5 pts.	
1 to <2 acres	3 pts.	1
1/4 to <1 acres	2 pts.	
less than 1/4 acre	1 pts.	

b. Ecological Restoration Type (score one)		
Restoration can be accomplished in 1 year	10 pts.	
Restoration can be accomplished in 1-3 years	7 pts.	10
Restoration can be accomplished within 3-10 years	3 pts.	10
Restoration may not be possible within 10 years	1 pts.	

#### Metric 3: Expected Benefits

# Metric 3a: Restoration Benefits

1. Restoration Type (score all that apply)

Wetland Restoration (expanding or creating new wetland)	9 pts.	
Wetland Enhancement (improving existing wetland)	7 pts.	-
Other Property (e.g., upland) Restoration Activities	5 pts.	5
BMP Enhancements (e.g., buffer strips, stormwater treatment, etc.)	5 pts.	

2. Increased Benefits (score all that apply)

Wildlife Habitat Improvements	1 pts.	
Fish Habitat Improvements	1 pts.	
Floodwater Storage	1 pts.	2
Stormwater Storage	1 pts.	
Improves Public Use/Visibility	1 pts.	

## Metric 3b: Restoration Activities

1. Invasive Plant Treatment Area (score one)

20+ acre	7 pts.	
5-20 acre	5 pts.	•
1.0-4.9 acre	3 pts.	U
<1 acre	1 pts.	

# Value Score

Phragmites australis	2 pts.	
Reed Canary Grass	2 pts.	
Woody Species (Buckthorns, honeysuckles, rose, bittersweet, barberry, privet, etc - 2 pt ea)	2 pts.	0
Herbaceous Species (Japanese knotweed, garlic mustard, purple loosestrife, invasive cattail, etc - 2 pt ea)	2 pts.	
Other:	2 pts.	

3. MDEQ Potential Wetland Restoration Maps (choose the one covering the largest area of the site)

High (mapped as historic wetland and hydric soils)	3 pts.	
Medium (mapped as hydric soils only)	2 pts.	0
Low (mapped as historic wetland only)	1 pts.	U
Not Mapped (may be existing wetland)	1 pts.	

4. Installation of Structures to Stabilize Stream Channels (score one)

Linear Feet of Streambed Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	0
	<100 ft.	3 pts.	

5. Installation of Structures to Prevent/Stop Bank Erosion (score one)

Linear Feet of Streambank Stabilized	300+ ft.	7 pts.	
	100-300 ft.	5 pts.	3
	<100 ft.	3 pts.	

6. Floodplain Reconnection (score one)

Two-Stage Ditch Construction	200+ ft.	5 pts.	
	100-200 ft.	3 pts.	0
	1-100 ft.	1 pts.	

7. Best Management Practices (score one)

Acreage Treated using BMP Practices	3.0+ acres	7 pts.	
	1.0-3.0 acres	5 pts.	4
	0.5-0.99 acres	3 pts.	1
	<0.5 acres	1 pts.	

## 8. Developed BMP Types (score all that apply)

BMPs to be Implemented	Retention/Sedimentation Basin	4 pts.	
(long term maintenance will be required)	Detention/Sedimentation Basin	2 pts.	
	Rain Garden/Bioswale	2 pts	2
	Buffer Strip (10' min.)	2 pts.	2
	Tree Planting	2 pts.	
	Other Bank Stabilization	Pts. as assigned	

9. Water Quality Treatment (score one)

Stormwater Treatment	Treat greater than first 1/2" OR more than 90% of storms	6 pts.	•
	Treat first 1/2" of runoff OR runoff from 90% of storms	3 pts.	0

#### 10. Water Quantity Management (score one)

Runoff Volume Management (for a 2vr, 24-hour storm)	Post-construction runoff volume = 0	6 pts.	
	(stormwater does not leave site) Post-construction runoff volume < Pre-		-
	construction runoff volume	4 pts.	6
	Post-construction runoff volume = pre-	2 pts.	
	construction runoir volume	-	

a. Education Opportunities (score one)			
Will the site be used for future demonstration/education?		3 pts.	0
h Funding Benefits (score one)			
Matching dellars (score one)			
Matching dollars/resources from Grants, Landowner,	100%	12 pts.	
donations, etc.		•	
(includes direct donation, property, labor, materials, etc.)	50-99%	9 pts.	3
	25-49%	6 pts.	
	<25%	3 pts.	

TOTAL SCORE	57
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a. Public Benefits (Score one, or score two and average)

(A) Public Visibilty/Use	<b>HIGH</b> (existing maintained trails, parkland, heavy use)	9 pts.	
	MODERATE (open to the public, rustic trails, moderate use)	5 pts.	3
	LOW (not easily accessible and/or low user numbers)	1 pts.	
b. Costs			
	1 Implementation Year 1	¢ 74	

	1. Implementation real 1	Ψ	75,000.00
	2. 10-year Operations and Maintenance Costs (O&M)	\$	-
(B) Estimated Total Cost of Project		\$	75,000.00

Public Benefit Ranking

Restoration/Enhancement Value	Total Score x Public	23
	Benefit	