

Description

Site

SITE ID: _____

POND FIELD FORM

SITE DESCRIPTION

Site ID: _____

Pond Name: _____

Field Staff: _____

Site Identification and Characteristics

Town:

Subbasin

Ownership:

Aerial Photo(s) ID:

USGS Quad

Date:

Area (sf):

Length:

Width:

Nearest Road:

GPS (NAD 83)

N _____

W _____

Name of Adjacent Stream: _____

DEPWQ Classification of Stream: _____

Man-Made Structures Present:
Rap

Y / N

Historic

Channelization Paved Rip

General Site Conditions: _____

Open Water vs Emergent Wetlands

Predominant Habitat Types: _____

Average % Open Water: _____ Average % Wetland: _____

Dominant Species	Abundance (% Cover of Area)

Indicators of Degradation within stream and on stream banks

Devegetated Fill Excavation Solid Waste Erosion

Invasive Species Sedimentation Point Discharge: Other _____

Hazardous Waste Sites or Potential Sources of Contamination: Y / N

Comment: _____

Invasives/Exotics within Area:

Phragmites P. Loosestrife E. Buckthorn Honeysuckle Knotweed Barberry

Milfoil Chestnut Fanwort Pondweed Naiad Hydrilla

Other: _____

Description

Site

SITE ID: _____

Comments: _____

Wildlife Indicators Within Area:

Beaver Pond Pools	Snags	Stumps	Sandy Banks	Rookery	Vernal
Logs	Cavities	Burrows	Mud flats	Sandy Beach	Nest boxes
Islands	Persistent open waters in Winter		Other _____		

Wildlife

Observed: _____

Fisheries

Fishery Aquatic Invertebrates: Warm Water or Cold Water

Fish Observed: _____ Historic _____

Fish Passage: Possible Not Possible Possible but obstructed

Rare Species or Unique Habitats _____ Historic _____

Presence of Mussels _____ Historic _____

Water Quality

Historic WQ _____

Hazardous Waste Sites _____

Description: Clear Tea-colored Murky Muddy Odor Other

Erosion (Where?): _____

Sedimentation (where?): _____

Comments: _____

ADJACENT AREA DESCRIPTION
SITE ID: _____

Comments/ notes/ sketches:

Indicators of Potential Benefits of Restoration

- Circle all benefits that apply to the potential restoration site and enter into score box.
- Add up total number of circles to determine ranking: Few 0-11, Some 12-24, Many 25-37.
- Apply ranking to the Quality of Restoration Opportunity Table found on page 6 of this form.

Water Quality: (Check box if any of the following benefits apply to the potential restoration site)

1. Surface water quality will be improved.
2. The restored site has, or can be designed to have a seasonally or permanently flooded or permanently saturated water regime.
3. Site has a low gradient (is relatively flat) or could be restored to a low gradient wetland.
4. Channel flow through the wetland is likely to, or can be designed to be likely to overtop the banks of a channel and come into contact with the surrounding vegetated wetland.
5. Site supports dense emergent or woody vegetation or could be restored to support dense emergent or woody vegetation.
6. Other _____

Wildlife Habitat: (Check box if any of the following benefits apply to the potential restoration site)

1. Restored site will improve the diversity of wetland classes in the watershed.
2. Restored site improves the connectivity of one wetland to another wetland by improving or widening a corridor between the two unaffected sites.
3. Site is not separated from other wetland habitats by a multi-lane, limited access highway.
4. Site is located within an identified habitat for rare species or a priority natural community as identified in the 1999-2001 Massachusetts Natural Heritage Atlas.
5. Other _____

Flood Control: (Check box if any of the following benefits apply to the potential restoration site)

1. The site occurs in the upper portion of the watershed.
2. The site is located upstream of an existing flooding problem.
3. Site watershed contains a high degree of impervious surface.
4. Site has a low gradient (flat) or could be restored to a low gradient wetland to increase flood storage potential.
5. Site contains or has the potential to contain a high density of vegetation.
6. The wetland is associated with one or more watercourses.
7. Site either has a constricted outlet or could be provided with a constricted outlet in the restored condition.
8. Other _____

Recreation: (Check box if any of the following benefits apply to the potential restoration site)

1. Site is part of or adjacent to a recreation area, park, forest or refuge and is accessible to the public for recreation.
2. Fishing is currently available or will be available on or adjacent to the site
3. Hunting is permitted on the site

- 4. Hiking occurs or has potential to occur within the site.
- 5. The site provides opportunities for wildlife observation and study.
- 6. Conditions are favorable for swimming and other water related recreational activities.
- 7. High visual/aesthetic quality of this potential recreational site.
- 8. The watercourse associated with this site is wide and deep enough to accommodate canoeing and/or non-powered boating.
- 9. Off-road public parking available at the potential recreation site.
- 10. Other _____

Groundwater Recharge/Discharge:

(Check box if any of the following benefits apply to potential restoration site)

- 1. Public or private wells occur downstream of the wetland.
- 2. Gravel or sandy soils are present in/or adjacent to the site.
- 3. Wetland contains only an outlet.
- 4. Signs of groundwater discharge are present (e.g. springs).
- 5. Wetland exhibits signs of variable water levels.
- 6. Other _____

TOTAL NUMBER OF POTENTIAL BENEFITS =

Ranking = _____ (Few 0-11, Some 12-24, Many 25-37)

Indicators of Potential Negative Impacts of Restoration

- *Check all boxes that apply to the potential restoration site.*
- *Add up total number of check marks to determine ranking: Few 0-2, Some 3-5, Many 6-8.*
- *Apply ranking to the Quality of Restoration Opportunity Table found on page 6 of this form.*

- Access to adjacent areas will be eliminated by restoration project.
- Existing fisheries/wildlife habitat will be adversely impacted by the project.
- Historic Structures will be impacted by the project.
- Rare Species and/or their habitat will be adversely impacted by the restoration project.
- Agricultural land will be lost as a result of the restoration project.
- Industrial/commercial use of area will be adversely impacted by the project.
- The restoration project could increase risk of local flooding.
- Other _____

TOTAL NUMBER OF POTENTIAL NEGATIVE IMPACTS =

Ranking = _____ (Few 0-2, Some 3-5, Many 6-8)

Potential Indicators of Cost

- Check all boxes that apply to the potential restoration site.
- Add up total number of check marks and multiply by the appropriate size factor rating (SFR) for the site:
Site Size 1-5 acres = 1 SFR, 6-10 acres = 2 SFR, 11+ acres = 3 SFR.
- Insert this number into the appropriate ranking: Low 0-6, Medium 7-15, High 16-30
- Apply ranking to the Quality of Restoration Opportunity Table found on page 6 of this form.

- Ownership** (e.g., site is located on private property).
- Construction Access** (e.g., access is difficult or site is more than 100 ft. from existing road).
- Regrading** (e.g., substantial regrading work is necessary for the potential restoration project).
- Fill Placement** (e.g., substantial amount of fill must be removed from the site).
- Revegetation** (e.g., a significant planting and/or seeding effort is necessary for the project.)
- Maintenance Needs** (e.g., the potential restoration site will require regular maintenance work following the completion of the project).
- Removal of Structures** (e.g., on-site structures must be removed with heavy machinery).
- Dredging** (e.g., the project involves dredging).
- Hazardous Waste** (e.g., on-site hazardous waste clean-up will be required as part of restoration activities).
- Other** _____

TOTAL NUMBER OF POTENTIAL INDICATORS OF COST =

Ranking = _____ (Low 0-3, Medium 4-6, High 7-9)

Quality of Restoration Opportunities

*Factor	Points		
	1	2	3
Potential Benefits	Few	Some	Many
Potential Negative Impacts	Many	Some	Few
Potential Costs	High	Medium	Low
Size of Restoration Site	2-10 acres	11-20 acres	>20 acres

Total Score for Restoration Opportunities =
Potential Restoration Opportunity Rank: (circle) Low 5-7 Moderate 8-12 High 13-15

Notes: _____

