

Site Overview**Datasheet version: 3**

Site ID:	Site name (optional):	Crew code: Crew chief name:	Sampling type: New Finishing incomplete site
Sample Date:			

Shoreline

Shoreline Structure	% of site	Landcover near shore	% of site	Photo #s	
1. Sand Beach		1. Low Density Resid.			GPS Unit No.: _____ Boat launch waypoint: _____ Boat launch lat: _____ Boat launch long: _____ Camera ID: _____
2. Rocky Shoreline		2. High Density Resid.			
3. Cliff		3. Commercial/Indust			
4. RipRap		4. Ag			
5. Vegetated Bank		5. Upland forest			
6. Muddy Bank		6. Forested wetland			
7. Marsh		7. Marsh			
8. Other		8. Stream			
		9. Other			
		Can't see land (e.g., cliff, hill)			

Site morphometry & connectivity

Site morphometry & connectivity	Sketch cross-section of riverine sites
<p>Braiding Index (riverine wetland only; select only one)</p> <p>0 channelized river</p> <p>1 unchannelized river, no meanders</p> <p>2 moderate meanders, no braiding</p> <p>3 multiple channels; no permanent vegetation</p> <p>4 multiple channels with permanent vegetation</p> <p>Hydrologic connection to lake (select only one)</p> <p>0 strictly riverine connection to lake</p> <p>1 fully exposed to deep water portion of lake</p> <p>2 fully exposed, but partially protected from direct wave action (e.g., submerged bar)</p> <p>3 partially protected by sand bar, reef; opening is a large river</p> <p>4 partially protected by sand bar, reef; opening is a small stream</p> <p>5 fully separated from lake, but seasonal inundation possible</p> <p>6 fully separated from lake by permanent sand bar, dune, dyke (why sample?)</p> <p>Water level (select as many as necessary)</p> <p>1 Water level stabilized by dyke (why sample?)</p> <p>2 Hydrology influenced by culvert, road</p> <p>3 Evidence of recent water level change (e.g., artificial dyke pumping)</p> <p>4 Evidence of long-term water level change (lake level)</p> <p>5 Weather-related current (onshore wind inducing seiche)</p> <p>6 Water level change not observed</p> <p>WL comment:</p>	

Habitat Structure

Habitat Types (at scale of the entire wetland polygon)	(circle all present)
riprap	shallow emergent (shrubby)
bedrock	floating leaf
boulder	open water
cobble	riverine / erosional
sand	wet meadow
organic detritus	island
muck	shallow emergent (herbaceous)
	submergent
	undercut bank
	riverine / depositional
	muddy / unvegetated shoreline
	hummock
	bog mat

Vegetation Zone Structure (choose only one)

- 1 no vegetation
- 2 zones by depth
- 3 uniform distribution (e.g., single-species stand or even distribution of taxa all mixed together)
- 4 patchwork mosaic (e.g., patches of cattail, bulrush, SAV, etc)

Disturbance (circle all present in site or within 250 m of site)

RipRap	Sewage Discharge	Water Diversion	Boat channels (#):
Dredging (#)	Industrial Discharge	Channelization	Mowing/veg removal (% of site):
Marina	Rec. docks (#):	Ship docks (#):	Shoreline Modification (describe below)

Shoreline modifications (describe):

Recreational activities: swimming sailing fishing motor-boating PWC

Pollution: Public Litter Commercial Refuse Petroleum Sewage
Large Equipment Household Appliances

Evidence and location of other disturbance (incl. natural disturbance such as beaver, carp, muskrat):

Site not sampleable for bugs or fish because....

Acceptable reasons: no access, wetland no longer exists, water too deep/shallow, vegetation too dense (name it). Please describe below.

Version 2

Site ID:

Site Name:

Date:

Pre-launch Checklist:

- ☐ Calibrate meters _____ (signature)
- ☐ Notify DNR, others for sampling permission
- ☐ Nets intact, no holes

- ☐ Download GPS points
- ☐ Download site information
- ☐ Upload GPS points to NRRI
- ☐ Update site information in site database

Crew names:**Field crew chief:**

Weather: Dry Damp/Haze/Fog Drizzle Rain **Air Temp (F):** **% Cloud Cover:** **Wind:** onshore offshore alongshore

Past 24 hr weather notes:

Seiche Evidence: onshore offshore none

Important reminders about this site:**Site characterization form**

- ☐ Photos of site
- ☐ Sketch of riverine site
- ☐ Boat launch GPS waypoint

Invertebrate forms

Zones sampled (list):

- ☐ Zone:
- ☐ Zone:
- ☐ Zone:
- ☐ Zone:
- ☐ Samples labeled
- ☐ Sediment characterization
- ☐ Water depth

Fish forms

Number of nets per zone:

- ____ Zone:
- ____ Zone:
- ____ Zone:
- ____ Zone:
- ☐ Fish length & anomalies
- ☐ Unidentified fish preserved & labeled

Water Quality

Zones sampled (list):

- ☐ Zone:
- ☐ Zone:
- ☐ Zone:
- ☐ Zone:
- In Situ* WQ samples by:
- ☐ Zone
- ☐ Replicate

Overall site info

- ☐ Shoreline & landcover
- ☐ Site morphometry/hydrology
- ☐ Habitat & vegetation patches
- ☐ Disturbance and pollution
- ☐ River cross-section sketch

Invertebrate Habitat

- ☐ Plant quadrats
- ☐ Secchi depth/turbidity tube
- ☐ Sediment characterization
- ☐

Fyke net habitat

- ☐ Plant quadrats
- ☐ Secchi depth/turbidity tube
- ☐ Sediment characterization
- ☐

☐

Notes: List broken equipment, supplies needed, notes for the next crew

I verify that the datasheets for this site are complete and accurate: _____ (field crew chief signature)

Site ID:	
Date:	
Sheet _____ of _____ for site	

Crew leader:
Signature:

Finishing incomplete site (check)

Zone name (veg type)	
Start/end time	
Zone contiguous or patches?	
Zone or patch size (m x m)	
Photos of zone	

3

Latitude			
Longitude			
Waypoint ID			
Depth (m)			
Direction & dist to depth 0			
Quadrat photo #'s			

% Emergent			
dominant sp. or gen.			
% Floating leaved			
dominant sp. or gen.			
% SAV floating at the surface			
dominant sp. or gen.			
% Floating filamentous algae			
% Open water			

[illegible]

% Standing emergent stems (living or dead)			
dominant sp. or gen.			
% Floating leaved stems			
dominant sp. or gen.			
% SAV stems			
dominant sp. or gen.			
% Course detritus (lying on bottom)			
% Filamentous algae			
% Bare sed. (no veg or detritus)			
Check box if unable to assess:			
Reason for not assessing:			
Organics Depth (cm)			
Substrate texture (dom/sub)			
Sample for % organic sed			
Number of 1m net sweeps			
Person-minutes picking			
Number of organisms			
Number of vials per rep			

[illegible]

3

Primary			
Secchi tube (cm)			
Temperature (°C)			
Specific cond. (µS cm-1)			
DO (% Saturation)			
DO (mg/L)			
pH			
Duplicate			
Secchi tube (cm)			
Temperature (°C)			
Specific cond. (µS cm-1)			
DO (% Saturation)			
DO (mg/L)			
pH			

[illegible]

WQ meter data file ID:	Prim	Dup	Prim	Dup	Prim	Dup
Tot. Diss. Solids (g L ⁻¹)†						
Turbidity (NTU)†						
Turbidity below detection limit? (Y/N)						
Redox pot. (mv)†						
<i>In situ</i> chloro. a (µg/L)†						
Total Alk. (mg CaCO₃ L⁻¹)						
Pheno. Alk. (mg CaCO₃ L⁻¹)						

[illegible]

†=optional parameters

Site ID:		Sampling: initial reset				Orientation to zone (parallel/perp/angle):								Crew code:		
Site name (opt):		Net-rep #:				Date set:				Date ck:				Unkn/Vouch Jars		
Zone name (veg type):		Fyke size: small large				Time set:				Time ck:				Collectors:		
Taxa (length in mm)		1	2	3	4	5	6	7	8	9	10	11	12	13	Comments	
	TL															
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Anomalies: A=anchor worm B=black spot C=leeches D=deformities E=eroded fin F=fungus I=ich L=lesions N=blind P=parasites Y=popeye S=emaciated W=swirl scales T=tumor X=dead Z=other

Water depth at net frame (m): Set Depth (m): _____ Pull Depth (m): _____ Underwater Set? (circle): Yes No Water depth above net frame: Set (m): _____ Pull (m): _____	Water/Weather/Wind/Net Conditions: <div style="border: 1px solid black; height: 100px; width: 100%;"></div>	Net sample efficiency (check, and indicate any problems below): Fished OK ____ Had Minor Problem ____ DID NOT FISH ____ Conditions: Net twisted, caught, obstructed, torn open, disturbed, Other:
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Taxa (length in mm)		1	2	3	4	5	6	7	8	9	10	11	12	13	Comments	
	TL														Total	
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General info			Vegetation/Quadrat		In situ Water Quality			
Veg Zone:		Contig. or patch?	Coverage at water surface (sum to 100%)			Primary	Duplicate	Meter data file ID:
Zone or patch size (m x m):			% Emergent		Temp (C)			
Direction & distance (m) to depth 0:			dominant sp. or gen.		Scnd(uS)			Redox(mV)
Organics depth (cm):			% Floating leaved		DO(%)			Chl a
GPS#	Lat:	Long:	dominant sp. or gen.		DO(mg/L)			Pheno Alk
GPS Unit ID:			% SAV floating at the surface		Tot Alk			Turbidity(ntu)
Camera ID:			dominant sp. or gen.		pH			T below DL?
Quadrat Photo #'s:			% Floating filamentous algae		Secchi Tube (cm)			TDS
Zone Photos:			% Open water		Substrate texture: 1 _____ 2 _____			
			Coverage at sediment surface (sum to 100%)					
Sample Vol for lab WQ:			% Standing emergent stems		SEE BUG FORM FOR WQ DATA Sample for %organic sed (optional)			
SRP			dominant sp. or gen.					
TP (opt)			% Floating leaved stems		Notes:			
NO ₃			dominant sp. or gen.					
NH ₄			% SAV stems					
TN (opt)			dominant sp. or gen.					
Other:			% Course detritus (lying on bottom)					
Chlorophyll filter (y/n)			% Filamentous algae					
			% Bare sed. (no veg or detritus)					
			Check box if unable to assess quadrat sediment surface:		Reason for not assessing:			