Site Overview						atasheet version: 3
Site ID: Care		Site name (optional):	Crew code:		Sampling type New	
Sample Date: 5/20/2	A.		Crew chief nar	Hayla McR	Finishing	incomplete site
Shoreline			-	Jul 1. Old	70	
Shoreline Structure	% of site	Landcover near shore	% of site	Photo #s		10.44.1
1. Sand Beach		1. Low Density Resid.			GPS Unit No.:	KMI
Rocky Shoreline Cliff		High Density Resid Commercial/Indust			Boat launch waypoint:	NA
4. RipRap	100	4. Ag			boat laurich waypoint.	
5. Vegetated Bank		5. Upland forest			Boat launch lat:	NA
6. Muddy Bank		6. Forested wetland			Boat launch long:	NA
7. Marsh		7. Marsh				7.110+
8. Other		8. Stream 9. Other	100	Daletonal	Camera ID:	Tablet
	<u> </u>	Can't see land (e.g.,cliff, hill)	100	Parkland		
Site morphometry & con-	nectivity	January (anglianny) may	*			
Hydrologic connection to la 0 strictly riverine cor 1 fully exposed to de 2 fully exposed, but 3 partially protected 4 partially protected 5 fully separated fro 6 fully separated fro Water level (select as man 1 Water level stabiliz 2 Hydrology influenc 3 Evidence of recen 4 Evidence of long-t 5 Weather-related c 6 Water level chang	er, no meanders ers, no braiding no permanent veget with permanent veget ske (select only one) nnection to lake eep water portion of la partially protected froi by sand bar, reef; opi by sand bar, reef; opi m lake, but seasonal i m lake by permanent y as necessary) zed by dyke (why sam eed by culvert, road t water level change (erm water level change urrent (onshore wind i	ation ation ake m direct wave action (e.g., ening is a large river ening is a small stream inundation possible sand bar, dune, dyke (wh aple?) e.g., artificial dyke pumpir ge (lake level)	y sample?)	Sketc	ch cross-section of riverine si	tes
WL comment: Habitat Structure						-
Habitat Types (at scale or			(circle all pres			
riprap		shallow emergent (shrubl floating leaf	oy)	shallow emerger	t (herbaceous)	
boulder		open water		submergent undercut bank		
cobble		riverine / erosional		riverine / deposit	ional	
sand		wet meadow		muddy unveget	ated shoreline	
organic detritus		island		hummock bog mat		
Vegetation Zone Structur 1 no vegetation 2 zones by depth 3 uniform distribution	le a single species	stand or even distribution	of taxa all mixed			
Disturbance (circle all pro			7			
RipRap	Sewage Discharge		Water Diversion		channels (#):	
	Industrial Discharge Rec. docks (#):		Channelization Ship docks (#):		ng/veg removal (% of site): eline Modification (describe b	
Shoreline modifications (de	escribe):				anne mountainin (describe o	Glowy
Recreational activities:	swimming s	ailing fishing	motor-boating	PWC		
Pollution: Public Litter	Large Equipment	Household App	liances			
Evidence and location of ot			as beaver, carp,	muskrat) :		
Site not sampleable for b	ugs or fish because.	****				

Zones sampled (list):	Pre-launch Checklist: Calibrate meters 4700 (signature) Notify DNR, others for sampling permission Download GPS points Upload GPS points to NRRI Upload GPS points to NRRI Update site information in site database Field crew chief: Kayla McRabb Weather: Dry Damp/Haze/Fog Drizzle Rain Air Temp (F): 70 % Cloud Cover: 35 Wind: Onsho Past 24 hr weather notes: clear, warm, breezy Seiche Evidence: onshore offshore none
	GPS points I site information PS points to NRRI E information in site database over: 35— Wind: onshore offshore

Macroinvertebrate / Water Quality Fiel	d Data Sheet			Crew code:		
Site ID: Cove 1]		Crew leader:	Kun	
Date: 5 (20/2)		1		Signature:	6191	NP
Sheet of for site						
	•			Finishing i	ncomplete site (che	ck)
Zone name (veg type)						
Start/end time						
Zone contiguous or patches?						
Zone or patch size (m x m)						
Photos of zone						
Replicate Number	1.1.	1.2	(.3	1	2	3
Latitude CR Prints						
Longitude ()						
Waypoint ID	Corel	Car Z	Cove-3			
Depth (m)	0.33	932	0.29			
Direction & dist to depth 0	W BI	W 8'	W 8'			
Quadrat photo #'s	1-4	7-11	12-14			
Coverage at water surface (sum to 100%)			7410			
% Emergent	0	0	0			
dominant sp. or gen,						
% Floating leaved	0	0				
dominant sp. or gen.						
% SAV floating at the surface	0	0	O			
dominant sp. or gen.						
% Floating filamentous algae	0	U	7			
% Open water	100	100	100			
Coverage at sediment surface (sum to 100%				7/		
% Standing emergent stems (living or dead)	5	0	0			
dominant sp. or gen.	DEAD					
% SAV	30	10	10			
dominant sp. or gen.						
% Coarse detritus (lying on bottom)	10	10	10			
% Filamentous algae	0	80	75			
% Bare sed. (no veg or detritus)	60	10	15			
Check box if unable to assess:			1112			
Reason for not assessing:						
Organics Depth (cm)						
Substrate texture (dom/sub)	sand/silt	sand silt	sand/silt			
Sample for % organic sed						
Number of 1m net sweeps	10	12	18			
Person-minutes picking	62	5 8	57			
Number of organisms	le	7	2			
Number of vials per rep			1			
SEE FISH FORM FOR WQ DATA	A (CHECK)					
In situ water quality	1	2	3	1	2	3
Dup. WQ (indicate rep)	754.6mm1	ta				
Secchi tube (cm)						No. of the latest
Temperature (°C)	19.93					
Specific cond. (µS cm-1)	313.3 ms/	cm				
DO (% Saturation)	121.2					
DO (mg/L)	11.2		3			
рН	8.39					
Wameter data file ID depth	1.14ft					
Tot. Diss. Solids (g L ⁻¹)†	2.03 FNU					
Turbidity (NTU)†	2 6			2)		
PC ug/L Redox pot. (mv)+	0.18					
In sitυ chloro a (μg/L)†	6.52					
Total Alk. (mg CaCO ₃ L ⁻¹)			S BY Seen to ME			
Pheno. Alk. (mg CaCO₃ L³¹)					「 開 返」。	
Sample volume prepped for storage				et		
Soluble reactive P	X			1	A SERVICE MARKET	
NH₄	×	PARTY AND INCIDENT				A STUDENCE VOICE
NO ₃	×				SIN TENSION	A THE RESERVE OF THE
Total P†	×	a talen a seann			-V2,578.2690(100)	
Total N†	×					
Other:	- \$	et visa subject				
Chlorophyll filter (v/A) - So - d A		11 19/1 2 2 2 2 2	Victor III			

Site Overview		74					atasheet version: 3
Site ID: Share		Site name (optional):	Crew code:		1	Sampling type: New	incomplete site
Sample Date: 5/20/	/21		Crew chief nam		Alda	Finishing	incomplete site
Shoreline			1 July	la voible	01-0		
Shoreline Structure	% of site	Landcover near shore	% of site	Photo #s			Was a second
1. Sand Beach		1. Low Density Resid.				GPS Unit No.:	Jen 1
2. Rocky Shoreline		2. High Density Resid					AIA
3. Cliff		3. Commercial/Indust				Boat launch waypoint:	NA
RipRap Vegetated Bank	100	4. Ag 5. Upland forest	ļ		-	Boat launch lat:	MIM
6. Muddy Bank		6. Forested wetland			_	Boat launch long:	w c A
7. Marsh		7. Marsh			1		
8. Other		8. Stream				Camera ID:	Taldet
		9. Other	LUU	Park			
		Can't see land (e.g. cliff, hill)					
Site morphometry & conf	nectivity				01.4.1	4	
Hydrologic connection to la strictly riverine corfully exposed to de fully exposed, but a partially protected a partially protected fully separated from the full separated f	er, no meanders rs, no braiding no permanent veget with permanent vege ake (select only one) nnection to lake eep water portion of la partially protected fro by sand bar, reef; op by sand bar, reef; op m lake, but seasonal m lake by permanent y as necessary) zed by dyke (why sar eed by culvert, road t water level change erm water level chan urrent (onshore wind	ation tation ake Im direct wave action (e.g., ending is a large river ening is a small stream inundation possible sand bar, dune, dyke (why mple?) (e.g., artificial dyke pumpinge (lake level)	y sample?)		Sketch cr	oss-section of riverine si	les
Habitat Structure							
Habitat Types (at scale of riprap) bedrock boulder cobble sand organic detritus muck	f the entire wetland	polygon) shallow emergent (shrubb floating leaf open water riverine / erosional wet meadow island	(circle all pres by)	shallow en submerger undercut b riverine / d	nank lepositiona nvegetaled		
4 patchwork mosaic	n (e.g., single-species (e.g., patches of catt	s stand or even distribution ail, bulrush, SAV, etc)	of taxa all mixed	I together)			
Disturbance (circle all pre	esent in site or with Sewage Discharge	in 250 m of site)	Water Diversion	1	Boat char	nnels (#):	
Dredging (#)	Industrial Discharge Rec. docks (#):		Channelization Ship docks (#):		Mowing/v	eg removal (% of site): Modification (describe b	So %
Shoreline modifications (de	escribe):						
Recreational activities:	swimming	sailing (fishing)	motor-boating	PWC	Š.		
Pollution: Public Litter	Commercial F Large Equipment	Refuse Petroleu Household App		ege			
Evidence and location of ot	ther disturbance (incl	. natural disturbance such	as beaver, carp,	muskrat) :			

Version 2 Site ID: Share	rove \ Site Name: Fund	Care Date: 5/20/21	21
Pre-launch Checklist: Calibrate meters Notify DNR, others for sampling permission Nets intact, no holes	(signature)	 □ Download GPS points □ Download site information □ Upload GPS points to NRRI □ Update site information in site database 	on RRI n site database
	molestob		
6	g Drizzle Rain Air Temp (F): 70	70 % Cloud Cover: 35	Wind: (onshore offshore alongshore
Past 24 hr weather notes: clear, worm,	ur, warm, breezy		
Seiche Evidence: onshore offi	offshore none		
Important reminders about this site:	site:		
Site characterization form	Invertebrate forms	Fish forms	Water Quality
Photos of site	Zones sampled (list): Zone: 54	Number of nets per zone: Zone:	Zones sampled (list): Zone: S****
	☐ Zone:	Zone	D Zone:
	□ Zone:	Zone: \	In Situ WO samples by:
	Samples labeledSediment characterizationWater depth	☐ Fish length & anomalies ☐ Unidentified fish preserved &	Zone Replicate
Overall site info	Invertebrate Habitat	Fyke net habitat	
☐ Shoreline & landcover☐ Site morphometry/hydrology	☐ Plant quadrats☐ Secchi depth/turbidity tube	☐ Plant quadrats ☐ Secchi depth/turbidity tube	
☐ Habitat & vegetation patches☐ Disturbance and pollution☐ River cross-section sketch		□ Sediment characterization	X.
요	A landcover	Plant quadrats Secchi depth/tusbidity tube Sediment characterization	
	1 C 11 1		

Macroinvertebrate / Water Quality Fiel	d Data Sheet	ú:		Crew code:		
Site ID: Shore]		Crew leader:	ky	
Date: 5/20/21]		Signature:	1200	m
Sheet of for site		=:				
	***			Finishing i	ncomplete site (che	ck)
Zone name (veg type)						
Start/end time						
Zone contiguous or patches?						
Zone or patch size (m x m)						
Photos of zone						
Danliesta Number	× 1		١ ،	1	2	3
Replicate Number Latitude See PT5) ,1	1 . 2	\ . 3	11	7	,
Longitude			-			
Waypoint ID	Share 1	Share 2	Shore3	+		
Depth (m)	0,39	0.33	0.37			
Direction & dist to depth 0	W 3'	w 31	W 3'			
Quadrat photo #'s	15-17	W 31	21-24			
Coverage at water surface (sum to 100%)				10.5		
% Emergent	6	0	O			
dominant sp. or gen.						
% Floating leaved	Ø	0	6			
dominant sp. or gen.		<i>m</i>		-		
% SAV floating at the surface	0	0	Ö			
dominant sp. or gen. % Floating filamentous algae	0	0	_			
% Open water	100	(00	100	-		
Coverage at sediment surface (sum to 100%		(00	100	J		
% Standing emergent stems (living or dead)	0	0	0	V.		
dominant sp. or gen						
% SAV	0	0	10			
dominant sp. or gen.						
% Coarse detritus (lying on bottom)	2	0	0			
% Filamentous algae					(
% Bare sed. (no veg or detritus)	100	100	90	-		
Check box if unable to assess:				48		
Reason for not assessing: Organics Depth (cm)				11		
Substrate texture (dom/sub)	savel	Sand	Sand	10		
Sample for % organic sed	700.0	30000	30000			
Number of 1m net sweeps	12	8	(0)	TT .		
Person-minutes picking	64	50	52			
Number of organisms	48	9	11			
Number of vials per rep		i i	7			
SEE FISH FORM FOR WQ DATA	A (CHECK)					
In situ water quality	1	2	3	1	2	3
Dup. WQ (indicate rep)	754.3 mm	ttq		IL.		
Secchi tube (cm)						
Temperature (°C)	20.578					
Specific cond. (µS cm-1)	125.1			+		
DO (% Saturation) DO (mg/L)	11-18			1		
pH	8.42			0		
Warmeter data file ID depth	1.71.Ft			1		
Tot. Diss. Solids (g L ⁻¹)†						
Turbidity (NTU)†	0-80 AN					
PC mg/L Redox pot (my)+	0-03					
In situ chloro. a (μg/L)†	1.12 Mg/L					
Total Alk. (mg CaCO ₃ L ⁻¹)			Harden School St.			
Pheno. Alk. (mg CaCO ₃ L ⁻¹)						
Sample volume prepped for storage	***			3.07		
Soluble reactive P	X	Payle property in				
NH ₄	7	PRIVE BOYER	Carlo Market			
NO ₃	· · · · · · · · · · · · · · · · · · ·				CHILD IN THE	
Total P†	>					
Total N†	<i>></i>			ļ.———		
Other:	N				THE R. P. LEWIS CO., LANSING, MICH. LANSING, MICH.	
Chlorophyll filter to 10	X					
Chlorophyll filter (y/h) see Sandl †=optional parameters	7					

Site Overview						atasheet version: 3
Site ID: Cove 1	/2 /	Site name (optional):	Crew code: Crew chief nar	ne:	Sampling type New Finishing i	incomplete site
Sample Date: 9/29	101			Kayla Mc	(2) (2) (2)	
Shoreline		X = 1 =				
Shoreline Structure	% of site	Landcover near shore	% of site	Photo #s		
1, Sand Beach		1. Low Density Resid.			GPS Unit No.:	Kml
2. Rocky Shoreline		2. High Density Resid.				
3. Cliff		3. Commercial/Indust			Boat launch waypoint:	NA
4 RipRap	100	4. Ag			,,	
5. Vegetated Bank		5. Upland forest			Boat launch lat:	NA
6. Muddy Bank		6. Forested wetland			Boat launch long:	A 114
		7. Marsh			Doat launtin long.	-/OA
7. Marsh						Tablet
8. Other		8. Stream			Camera ID:	1 a but
		9. Other	100	Park		
		Can't see land (e.g.,cliff, hill)	- N			
Site morphometry & con	nectivity					
				5	Sketch cross-section of riverine sit	es
Braiding Index (riverine w	tland only: select only	v one)				
0 channelized river	aana omy, ooroot om	,,				
1 unchannelized rive				l'i		
2 moderate meande						
	no permanent vege					
4 multiple channels	with permanent vege	etation				
-						
Hydrologic connection to la	ake (select only one)					
0 strictly riverine con						
	eep water portion of	laka				
		om direct wave action (e.g.,	submerged bar)			
		pening is a large river				
4 partially protected	by sand bar, reef; or	pening is a small stream				
5 fully separated fro	m lake, but seasonal	I inundation possible				
6 fully separated fro	m lake by permanen	t sand bar, dune, dyke (why	v sample?)			
, , ,	, ,		,			
Water lavel (calest as man						
Water level (select as man		1.0				
	zed by dyke (why sa	mple?)				
	ced by culvert, road					
3 Evidence of recen	t water level change	(e.g., artificial dyke pumpin	ng)			
4 Evidence of long-t	erm water level char	ige (lake level)				
	urrent (onshore wind					
6 Water level chang		inducing delene)				
	e not observed					
WL comment:						
Habitat Structure						
Habitat Types (at scale o	f the entire wetland		(circle all pres			
riprap		shallow emergent (shrubb	oy)	shallow eme	ergent (herbaceous)	
bedrock		floating leaf		submergent		
boulder		open water		undercut bar	TIR	
cobble		riverine / erosional		riverine / der		
sand		wet meadow			egerated shoreline	
organic detritus		island		hummock	agentica on a similar	
muck		iciano		bog mat		
				ooget		
Vegetation Zone Structur	re (choose only on	e)				
1 no vegetation	- (,	-,				
2 zones by depth						
	n (e.a., sinale-specie	s stand or even distribution	of taxa all mixed	d together)		
4 41 1 .	, , , , , , , , , , , , , , , , , , , ,	tail, bulrush, SAV, etc)				
		, , , , , , , , , , , , , , , , , , , ,				
Disturbance (circle all pr	esent in site or with	in 250 m of site)				
(RipRap)	Sewage Discharge		Water Diversio		loat channels (#):	
Dredging (#)	Industrial Discharge		Channelization	5	Nowing/veg removal (% of site)	mm 92
Marina (#)					Charalina Madification (18 of site)	00/
Mailid	Rec. docks (#):		Ship docks (#):	5	Shoreline Modification (describe be	auw)
Shoreline modifications (de	escribe):					
Recreational activities:	swimming	sailing	motor-boating	PWC		
Pollution: Public Litter	Commercial Large Equipment	Refuse Petroleu Household App		ege		
Evidence and location of o	- , ,	l. natural disturbance such		muskrat) ±		

Version 2 Site ID: Cove	Site Name: Ford	Cove Date: 9/29/21	
ch Checklist		Download GPS points	
Notify DNR, others for sampling permission Nets intact, no holes	npling permission (signature)	☐ Upload GPS points to NRRI ☐ Update site information in site database	I site database
Crew names: KM, WK		9.	
Field crew chief: Kayla M	Mcholbs Pog Drizzle Rain Air Temn (F):	% Cloud Cover:	Wind: onshore offshore alongshore
weat)	(
Seiche Evidence: onshore off	offshore none		
Important reminders about this site:	site:		
Site characterization form	Invertebrate forms	Fish forms	Water Quality
Photos of site Sketch of riverine site	Zones sampled (list): Zone: SAV	Number of nets per zone: Zone:	Zones sampled (list): Zone: SAV
☐ Boat launch GPS waypoint	☐ Zone:	Zone:	Zone: Zone: Zone:
	□ Samples labeled□ Sediment characterization□ Water depth	☐ Fish length & anomalies☐ Unidentified fish preserved & labeled	Zone Replicate
Overall site info	Invertebrate Habitat	Fyke net habitat	
 □ Shoreline & landcover □ Site morphometry/hydrology □ Habitat & vegetation patches □ Disturbance and pollution 	□ Plant quadrats□ Secchi depth/turbidity tube□ Sediment characterization□	 □ Plant quadrats □ Secchi depth/turbidity tube □ Sediment characterization 	
Notes: List broken equipment, supplies needed, notes for the next crew	ies needed, notes for the next crew		
I verify that the datashe	verify that the datasheets for this site are complete and accurate		field crew chief signature)

iviacionivertebrate / water Quanty Fier	u Data Sneet	i		Crew code.		
Site ID: Cove				Crew leader:	- m	
Date: 9/29/21				Signature:	mr.	w
Sheet of for site						
ADDES.				Finishing in	ncomplete site (che	rk)
Zone name (veg type)					reompiete site fames	-117
Start/end time						
Zone contiguous or patches?						
Zone or patch size (m x m)						
Photos of zone						
Filotos di zone						
	v.	1	v.			_
Replicate Number	,1	. 2	1.3	1	. 2	3
Latitude See of 5						
Longitude						
Waypoint ID	(1010)	cove 2	Cove 3	*		
	6.33	0.32	0.29	-		
Depth (m)				-		
Direction & dist to depth 0	W 6 1	WO	WB'			
Quadrat photo #'s				L		
Coverage at water surface (sum to 100%)						
% Emergent	0	0	0			
dominant sp. or gen.				-		
	110	2 0	10			
% Floating leaved	40	30				
dominant sp. or gen.	DEAD	DEAD	DEAD			
% SAV floating at the surface	0	\mathcal{O}	6			
dominant sp. or gen.						
% Floating filamentous algae		-20	70			
% Open water	60	70	90			
		P		L		
Coverage at sediment surface (sum to 100%					1	
% Standing emergent stems (living or dead)	0	0	O			
dominant sp. or gen.	12					
% SAV	69	0	0			
dominant sp. or gen.	20					
% Coarse detritus (lying on bottom)	6	0	0			
% Filamentous algae	O	70	10			
		80				
% Bare sed. (no veg or detritus)	600	00	96			
Check box if unable to assess:						
Reason for not assessing:						
Organics Depth (cm)						
Substrate texture (dom/sub)	sand/silt	count Kilt	sand sit			
Sample for % organic sed	50000131	Comment of the Commen	Sara Isin			
		PO A CE				
Number of 1m net sweeps	13	14				
Person-minutes picking	63	65	58			
Number of organisms	17	13	8			
Number of vials per rep						
SEE FISH FORM FOR WQ DATA	(CHECK)					
In situ water quality	4 (CITECIA)	2	2	4	2	2
	1	2	3	1	2	3
Dup. WQ (indicate rep)						
Secchi tube (cm)			Man his site of the second	1		DECOMES ENGINEED
Temperature (°C)	19.21					
Specific cond. (µS cm-1)	291.4					
DO (% Saturation)						
	87.4					
DO (mg/L)						
рН	7.84					
WQ meter data file ID depart	1.43.04					
Tot. Diss. Solids (g L ⁻¹)†						
Turbidity (NTU)†	2,07 FW					
I-C ug/L Redox pot (mv)+	0.14			J		
In situ chloro. a (μg/L)†	2.97					
Total Alk. (mg CaCO ₃ L ⁻¹)	_		CONTENT POSTONIA			
Pheno. Alk. (mg CaCO ₃ L ⁻¹)		Q R LE E Hell	M2021 V 588 V 5			tu bytinizene
Sample volume prepped for storage		(m) (m) (m) (m)	Account to the second s			
Soluble reactive P	χ				BALLY BOOK INDI	
NH ₄	×	CHANGE OF THE PARTY OF				
NO ₃		THE STREET	BALE GLEDE, REG			
Total P†	-	O STATE OF THE OWNER.	teleganic of a			
	Z	MILES T (STONE)		-		Cellostel III And III33
Total N†	×					DESCRIPTION OF REAL PROPERTY.
Other:	~					
Chlorophyll filter (y/n) Sando	X	IIS SAIN MADE TO THE				

†=optional parameters

Site Overview					Di	atasheet version: 3
Site ID: Share 1	2.	Site name (optional):	Crew code: V		Sampling type New Finishing i	incomplete site
Sample Date: 9/29/	41		h	yla mcRd	ob	
Shoreline						
Shoreline Structure	% of site	Landcover near shore	% of site	Photo #s		14 (1
Sand Beach		Low Density Resid.			GPS Unit No.:	NA
Rocky Shoreline		2, High Density Resid.				K 2 🗗
3. Cliff		3. Commercial/Indust			Boat launch waypoint:	
⊈ RipRap	しじゅ	4. Ag				
Vegetated Bank		5. Upland forest			Boat launch lat:	NA
6, Muddy Bank		6. Forested wetland			Boat launch long:	NA
7. Marsh		7. Marsh				~ 11 +
8. Other		8. Stream			Camera ID:	Tablet
		(9)Other	100	Park		
		Can't see land (e.g., cliff, hill)				
Site morphometry & con	nectivity		~			
				Sk	etch cross-section of riverine sit	es
Braiding Index (riverine w	tland only: select o	nly one)	1			
0 channelized river	maria omy, aoroot o	,,				
1 unchannelized riv	er no meanders					
2 moderate meands						
		- A - A ²				
	; no permanent veg					
4 multiple channels	with permanent ve	getation				
Hydrologic connection to la	ake (select only on	e)				
 strictly riverine co 	nnection to lake					
fully exposed to d	eep water portion of	of lake				
2 fully exposed, but	partially protected	from direct wave action (e.g.,	submerged bar)			
		opening is a large river				
. , ,		opening is a small stream				
. , ,		al inundation possible				
, ,		ent sand bar, dune, dyke (wh	v sample?)			
o lany separated ne	in lake by permane	one saile bar, delic, dyke (wi	ly sample:)			
\\/						
Water level (select as man		1.0				
	zed by dyke (why s					
	ced by culvert, roac					
3 Evidence of recen	nt water level chang	e (e.g., artificial dyke pumpii	ng)			
4 Evidence of long-	term water level cha	ange (lake level)				
5 Weather-related of	current (onshore wir	nd inducing seiche)				
Water level change		,				
WL comment:			: 1			
Habitat Structure						
Habitat Types (at scale o	f the entire wetler	nd polygon)	(circle all pres	nnt)		
	i the entire wettar			,	gont (horbecous)	
riprap		shallow emergent (shrub	oby)		gent (herbaceous)	
bedrock		floating leaf		submergent		
boulder		open water		Sundercut bank		
cobble		riverine / erosional		riverine / depo		
sand		wet meadow			getated shoreline	
organic detritus		island		hummock		
muck				bog mat		
Vegetation Zone Structur	re (chaosa anh: a	20)				
no vegetation	ie (choose only o	iie)				
2 zones by depth						
	n (e.a. sinale-spec	ies stand or even distribution	n of taxa all mixed	together)		
4 patchwork mosaic	(e.g., patches of c	attail, bulrush, SAV, etc)	, or tand all lillings	109011017		
,		vanus palitika elektra elektrottika ilikutatata				
Disturbance (circle all pr	esent in site or wi	thin 250 m of site)				
RipRap	Sewage Discharge		Water Diversion) Bo	oat channels (#):	
Dredging (#)	Industrial Dischard		Channelization		owing/veg removal (% of site):	smor
Marina	Rec. docks (#):	-	Ship docks (#):	QI-	noreline Modification (describe be	elow) 6
resetting.	, 130. doona (m).		omp doons (#).		io. o to incomoducii (describe be	
Shoreline modifications (de	escribe):					
Recreational activities:	swimming	Sailing fishing	motor-boating	PWC		
Pollution: Public Litter	Commercia Large Equipment			ege		
Evidence and location of o	ther disturbance (ir	ncl. natural disturbance such	as beaver, carp,	muskrat) :		
Site not sampleable for b	ugs or fish becau	SP				

	proken equipment, supplies needed, notes for the next crew	ies needed, notes for the next crew	Notes: List broken equipment, supplies needed, notes for the next crew
<i>y</i>			
on \Box	☐ Secchi depth/turbidity tube☐ Sediment characterization☐	☐ Plant quadrats ☐ Secchi depth/turbidity tube ☐ Sediment characterization ☐	Site morphometry/hydrology Habitat & vegetation patches Disturbance and pollution River cross-section sketch
	Fyke net habitat	Invertebrate Habitat	Overall site info
Zone: Zone: Zone: Zone: Zone: Replicate	Zone: Zone: Zone: Zone: Unidentified fish preserved & labeled	Zone: Zone: Zone: Zone: diment clatarer depth	
	Number of nets per zone:	Zones sampled (list): Z Zone: (A-V)	Photos of site
	Fish forms	Invertebrate forms	Site characterization form
		offshore none this site:	Seiche Evidence: onshore offshore Important reminders about this site:
		4	er notes: s
O Wind:	% Cloud Cover:	McNabb Fog Drizzle Rain Air Temp (F): 62	Field crew chief: Kayla McRabb Weather: Dry Damp/Haze/Fog Drizzle
GPS points site information 'S points to NRR e information in s	 □ Download GPS points □ Download site information □ Upload GPS points to NRRI □ Update site information in site database 	npling permission	Pre-launch Checklist: Calibrate meters Notify DNR, others for sampling permission Nets intact, no holes
9/29/21	Date:	Site Name: Two	Version 2 Site ID: Shove

Macroinvertebrate / Water Quality Fiel	d Data Sheet			Crew code: 1		
Site ID: Share				Crew leader:	Kon	4
Date: 9/29/2/				Signature:	m	m
Sheet l of l for site				100		<i>(</i>)
				Finishing i	n complete site (che	ck)
Zone name (veg type)						
Start/end time	10:10 a	m				
Zone contiguous or patches?						
Zone or patch size (m x m)						
Photos of zone						
Replicate Number	1	. 2	3	1	2	3
Latitude See of 5						
Longitude						
Waypoint ID	Shore	Shwez	Shae3 0,39			
Depth (m)	0-41	51, 35 W 31	0.39			
Direction & dist to depth 0	W 21	W 31	W 31			
Quadrat photo #'s						
Coverage at water surface (sum to 100%)					1	
% Emergent	O	0	0			
dominant sp. or gen.						
% Floating leaved	<u> </u>	0	0			
dominant sp. or gen			3			
% SAV floating at the surface			0	·		
dominant sp. or gen.			0	:		
% Floating filamentous algae	0	0				
% Open water	(00	(00)	100		li .	
Coverage at sediment surface (sum to 100%			o l		i -	ī
% Standing emergent stems (living or dead)	0	-0	U			
dominant sp. or gen. % SAV	0		0	0		
	0	0		5		
dominant sp. or gen. % Coarse detritus (lying on bottom)	0		0			
% Filamentous algae	0	00	e	-		
% Bare sed. (no veg or detritus)	100	100				1
Check box if unable to assess:	100	(00	100			
Reason for not assessing:			1		T-	
Organics Depth (cm)						
Substrate texture (dom/sub)	sand	Source	Saire	-		
Sample for % organic sed	5000	- and	Sac 43	¥		
Number of 1m net sweeps	10	11	9			
Person-minutes picking	73	(0 (56			
Number of organisms	0	O	2			
Number of vials per rep	T T	1	1			
SEE FISH FORM FOR WQ DATA	(CHECK)				V.	
In situ water quality	1	2	3	1	2	3
Dup. WQ (indicate rep)						
Secchi tube (cm)		The special real least			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Temperature (°C)	18.16					
Specific cond. (µS cm-1)	2711					
DO (% Saturation)	101-1					
DO (mg/L)				1		
pH	8,24					
W@meter data file ID depth	1.7654					
Tot. Diss. Solids (g L ⁻¹)†				77		
Turbidity (NTU)†	3.86 FNV					
Redox pot: (mv)+	0.22					
In situ chloro. a (μg/L)†	2.85 mg/					
Total Alk. (mg CaCO ₃ L ⁻¹)	J		H ST BURBO, STA			E 12 201 (1)
Pheno. Alk. (mg CaCO ₃ L ⁻¹)			HURLINGS STEEL		Marie Santa Marie	
Sample volume prepped for storage						
Soluble reactive P	X		HOLE ON BUILD		-6-50 UE 31 -50	
NH ₄	<u> </u>	ALCO, S. CELE			THE PARK WHEN	
NO ₃	· · · · · · · · · · · · · · · · · · ·	074	a at a some ox	1		
Total P†	<u> </u>			-		MRASSHEW BILL BATE
Total N†						
Other:	<u>'</u>		NED SESTIONS		S meeting to the	
Chlorophyll filter (y/n) Swall					Date of the state of	De de la companya de la
- Proposition All Page 1						