

Volunteer Freshwater Mussel Survey



Please record observations on data sheet for each survey

Section 1: General Survey Information	
Participant Names & Organization (if applicable):	Contact E-mail/Phone (if we have questions):
Survey Date:	Number of Surveyors:
Describe mussel survey experience:	Surveying Technique (Check all that apply):
\square I'm new at this	☐ Shoreline (on bank)
☐ I've done it 2- 5 times	☐Wading (in creek)
☐ I dream of mussels I do this so often	☐ Snorkel (underwater)
TIP: When in streams and rivers, surveying from do behind you.	
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TIP: When in streams and rivers, surveying from do behind you.	wnstream to upstream will keep cloudy water Starting Time:
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TIP: When in streams and rivers, surveying from do behind you. Section 2: Start Location Information Name of Water Body/Stream:	wnstream to upstream will keep cloudy water Starting Time: (am/pm)
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TIP: When in streams and rivers, surveying from dobehind you. Section 2: Start Location Information Name of Water Body/Stream: Start Location Description (Where did you access w	Starting Time: (am/pm) ater e.g. crossroads, park name, landmark):
TIP: When in streams and rivers, surveying from do behind you. Section 2: Start Location Information Name of Water Body/Stream:	wnstream to upstream will keep cloudy water Starting Time: (am/pm)

TIP: Take pictures of start locations and end locations to help document your survey



Section 3: End Location Information				
Ending time:				
(am/pm)				
End Location Description (Where did you end the survey e.g. crossroads, park name, landmark):				
End Latitude:	End Longitude:			
(if possible)	(if possible)			

Section 4: Observations & Results			
Average depth of surveyed area:	Describe slope of the stream banks:		
☐Ankle deep ☐Knee deep	□Gradual □Sharp □Eroded		
\square Above the hips \square Stayed out of water			
Describe the stream bottom:	Is this stream reach in need of a cleanup?		
(Check all that apply)	\square Yes, there were extensive areas of debris		
□Silt □Clay □Sand	☐ Maybe, some areas had debris		
□ Cobble □ Boulders	\square No, the stream reach looked healthy and clean!		
Did you find any non-native clams?	Describe other wildlife observed:		
(Asian clam, rangia clam)	(e.g. fish, crayfish, frogs)		
□ No □ Yes			
How many mussel specimens did you find?	How were live mussels spaced in the creek?		
(1 specimen = 1 live mussel, 1 individual shell, or 2	☐ No live mussels found		
shells with hinge attached.)	\square Densely clumped		
□ 0 specimens □ 1-5 specimens	☐ Patchy and spread out		
\square 6-20 specimens \square 21+ specimens	\square Patchy in some areas; Dense in others		



Section 5: Individual Mussel Specimen Data

If you found live mussels or shells, please fill out up to four specimens.

TIP: Multiple photos will help with identification!

Out of water (e.g. bank, shore, sandbar) Check all that apply): Check all that apply Check al					
In water, near banks stream					
In water, near banks stream					
Describe the specimen: Live mussel					
Civec Mussel Green/Olive Yellow Green/Olive Subtrapezoidal Green/Olive Subtrapezoidal Green/Olive Subovate Subtrapezoidal Green/Olive Subovate Subovat					
Civec Mussel Green/Olive Yellow Green/Olive Subtrapezoidal Green/Olive Subtrapezoidal Green/Olive Subovate Subtrapezoidal Green/Olive Subovate Subovat					
Green/Olive					
Tan					
What mussel species do you think the specimen is? (Check all that apply): (The mussel field guide can help with identification!) Brook Floater					
Triangle Floater					
Triangle Floater					
Brook Floater					
Eastern Pondmussel Yellow Lampmussel Eastern Elliptio Green Floater Eastern Floater Tidewater Mucket Eastern Lampmussel Notes:					
Eastern Floater					
Notes: Mussel Specimen #2 Specimen Location (if possible) Latitude: Longitude: Longit					
Mussel Specimen #2 Where was the specimen found? Out of water (e.g. bank, shore, sandbar) In water, near banks stream In water, middle of stream Describe the specimen: Check all that apply) Green/Olive Two shells, hinge attached Exterior color of the shell: (Check all that apply) Green/Olive Tan Red Brown Brown Broken shell What mussel species do you think the specimen is? (Check all that apply):					
Where was the specimen found? Specimen Location (if possible) □ Out of water (e.g. bank, shore, sandbar) Latitude: Longitude: □ In water, near banks stream □ Longitude: □ In water, middle of stream Exterior color of the shell: Describe the shape of the shell: □ Live mussel □ Check all that apply) □ Felongate □ Subtrapezoidal □ Subovate □ Subovate □ Brown □ Broken shell □ Tan □ Black □ Broken shell What mussel species do you think the specimen is? (Check all that apply):					
Where was the specimen found? Specimen Location (if possible) Out of water (e.g. bank, shore, sandbar) Latitude: Longitude: In water, near banks stream Latitude: Longitude: Describe the specimen: Exterior color of the shell: Describe the shape of the shell: Check all that apply) Green/Olive Yellow Subtrapezoidal Single shell Tan Brown Ovate Subovate Tan Black Broken shell What mussel species do you think the specimen is? (Check all that apply):					
Where was the specimen found? Specimen Location (if possible) Out of water (e.g. bank, shore, sandbar) Latitude: Longitude: In water, near banks stream Latitude: Longitude: Describe the specimen: Exterior color of the shell: Describe the shape of the shell: Check all that apply) Green/Olive Yellow Subtrapezoidal Single shell Tan Brown Ovate Subovate Tan Black Broken shell What mussel species do you think the specimen is? (Check all that apply):					
Where was the specimen found? Specimen Location (if possible) Out of water (e.g. bank, shore, sandbar) Latitude: Longitude: In water, near banks stream Latitude: Longitude: Describe the specimen: Exterior color of the shell: Describe the shape of the shell: Check all that apply) Green/Olive Yellow Subtrapezoidal Single shell Tan Brown Ovate Subovate Tan Black Broken shell What mussel species do you think the specimen is? (Check all that apply):					
Out of water (e.g. bank, shore, sandbar) Latitude: Longitude: In water, near banks stream In water, middle of stream Exterior color of the shell: Describe the shape of the shell: Live mussel (Check all that apply) Image: Subtrapezoidal Single shell Image: Subtrapezoidal Image: Subtrapezoidal Two shells, hinge attached Image: Red Image: Subtrapezoidal What mussel species do you think the specimen is? (Check all that apply):					
□ In water, near banks stream □ In water, middle of stream Describe the specimen: Exterior color of the shell: □ Live mussel (Check all that apply) □ Single shell □ Green/Olive □ Yellow □ Tan □ Brown □ Ovate □ Subtrapezoidal □ Tan □ Brown □ Broken shell What mussel species do you think the specimen is? (Check all that apply):					
□ In water, near banks stream □ In water, middle of stream □ Describe the specimen: □ Live mussel □ Single shell □ Two shells, hinge attached □ Red □ Black □ Check all that apply) □ Green/Olive □ Yellow □ Ovate □ Subtrapezoidal □ Ovate □ Subovate □ Brown □ Brown □ Broken shell □ Tan □ Brown □ Broken shell □ Check all that apply):					
Describe the specimen: □Live mussel □Single shell □Two shells, hinge attached □Red □Sterior color of the shell: (Check all that apply) □Green/Olive □Yellow □Ovate □Subtrapezoidal □Ovate □Subovate □Subovate □Brown □Broken shell □Broken shell					
□Live mussel □Single shell □Two shells, hinge attached □Red □Subtrapezoidal □Subtrapezoidal □Subtrapezoidal □Subtrapezoidal □Subvate □Subvate □Subvate □Subvate □Subvate □Subvate □Subvate					
□Live mussel □Single shell □Two shells, hinge attached □Red □Subtrapezoidal □Ovate □Subovate					
□ Single shell □ Tan □ Brown □ Red □ Black □ Broken shell □ What mussel species do you think the specimen is? (Check all that apply):					
□ Tan □ Brown □ Broken shell What mussel species do you think the specimen is? (Check all that apply):					
What mussel species do you think the specimen is? (Check all that apply):					
(The musser hera gaide can herp with identification)					
□ Brook Floater □ Eastern Pearlshell □ Triangle Floater □ Creeper					
□ Eastern Pondmussel □ Yellow Lampmussel □ Eastern Elliptio □ Green Floater					
☐ Eastern Floater ☐ Tidewater Mucket ☐ Eastern Lampmussel ☐ Eastern Lampmussel					
Notes:					



Mussel Specimen #3							
Where was the specimen found? Specimen Location (if possible)							
\square Out of water (e.g. bank, shore	re, sandbar)						
☐In water, near banks stream				Longitude:			
\square In water, middle of stream							
Describe the speciment	Exterior	Endowsky Described to the shall					
Describe the specimen:	Exterior color of the s (Check all that apply) Green/Olive Tan		sneii:	hell: Describe the shape of the shell:			
☐Live mussel			□Yellow	☐ Elongate ☐ Subtrapezoidal			
☐Single shell			□Brown	□Ovate □Subovate			
☐Two shells, hinge attached	Red		□ Black	☐Broken shell			
	□ Keu		□ Black				
What mussel species do you think the specimen is? (Check all that apply):							
(The mussel field guide can help wit	th identificati	on!)					
☐Brook Floater ☐Easte	rn Pearlshel	I	☐Triangle F	loater Creeper			
☐ Eastern Pondmussel ☐ Yellov	w Lampmuss	sel	□Eastern E	lliptio □Green Floater			
☐Eastern Floater ☐Tidew	vater Mucke	et	☐ Eastern Lampmussel				
Notes:							
	1						
Mussel Specimen #4							
Where was the specimen found		Specimen	Location (if p	oossible)			
\square Out of water (e.g. bank, shore	e, sandbar)	Latitude:		Longitude:			
\square In water, near banks stream		Latitude.		Longitude.			
☐ In water, middle of stream							
Describe the specimen:	Exterior co	olor of the	shall:	Describe the shape of the shell:			
-	Exterior color of the sh (Check all that apply) Green/Olive Tan		Silcii.	Describe the shape of the shell.			
☐ Live mussel			□Yellow	☐ Elongate ☐ Subtrapezoidal			
☐Single shell			Brown	□Ovate □Subovate			
\square Two shells, hinge attached	Red		□ Black	☐Broken shell			
	⊔ kea		□ black				
What mussel species do you think the specimen is? (Check all that apply):							
(The mussel field guide can help with identification!)							
			☐ Triangle Floater ☐ Creeper				
☐ Eastern Pondmussel ☐ Yellov	ellow Lampmussel		☐ Eastern Elliptio ☐ Green Floater				
☐Eastern Floater ☐Tidew	ewater Mucket		☐ Eastern Lampmussel				



Notes: