

Volunteer Freshwater Mussel Survey



Please record observations on data sheet for each survey

Upload data here: http://www.delawareestuary.org/science-and-research/freshwater-mussels-volunteer-surveys/

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):
□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	wnstream to upstream will keep cloudy water
behind you.	wnstream to upstream will keep cloudy water
Section 2: Start Location Information	
behind you.	wnstream to upstream will keep cloudy water Starting Time: (am/pm)
Section 2: Start Location Information	Starting Time: (am/pm)
Section 2: Start Location Information Name of Water Body/Stream:	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)	
Edd and a David and Aller and the	· · · · · · · · · · · · · · · · · · ·
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: Obser	vations & Results				
Average depth of sur	veyed area:	Describe slope of the stream banks:			
□Ankle deep	□Knee deep	□Gradual □Sharp □Eroded			
□Above the hips	☐Stayed out of water				
Describe the stream	bottom:	Is this stream reach in need of a cleanup?			
(Check all that apply)		☐Yes, there were extensive areas of debris			
□Silt □Clay □Cobble □Bou		☐Maybe, some areas had debris			
	luers	□No, the stream reach looked healthy and clean!			
Did you find any non-	-native clams?	Describe other wildlife observed:			
(Asian clam, rangia clam	n)	(e.g. fish, crayfish, frogs)			
□No □Yes					
•	ecimens did you find?	How were live mussels spaced in the creek?			
(1 specimen = 1 live mussel, 1 individual shell, or 2 shells with hinge attached.)		□No live mussels found			
□0 specimens	□1-5 specimens	Densely clumped			
		□Patchy and spread out			
□6-20 specimens	□21+ specimens	☐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!

Mussel Specimen #1					
Where was the specimen found?		Specimen Location (if possible)			
□Out of water (e.g. bank, shore, sandbar)		Latitude:		Longitude:	
□n water, near banks stream					
□n water, middle of stream					
Describe the specimen:		Exterior color of the shell:		Describe the shape of the shell:	
□ive mussel	(Check all th		_	Œlongate	□Subtrapezoidal
☐Single shell	□Green/O	live	□Yellow		·
	□Tan	□Brov	wn	□Ovate □Subovate	
☐ Two shells, hinge attached	□Red		□Black	☐Broken shell	
What mussel species do you thi	nk the speci	imen is? (Cl	neck all that ap	ply):	
(The mussel field guide can help wi	th identificati	on!)			
□Brook Floater □Easter	rn Pearlshell □Triangle Floater □Creeper			eeper	
□ Eastern Pondmussel □ Yellow	el □Yellow Lampmussel		Œastern Ell	iptio □Gr	reen Floater
□ Eastern Floater □ Tidew	astern Floater 🔲 Tidewater Mucket		☐ Eastern Lampmussel ☐ Alewife Floater		
Notes:					
Mussel Specimen #2					
Where was the specimen found	Where was the specimen found? Specimen Location (if possible)				
□Out of water (e.g. bank, shore, sandbar)		Latitude: Longitude:			
□n water, near banks stream				_	
☐n water, middle of stream					
Describe the specimen:		olor of the	shell:	Describe the shape of the shell:	
☐ive mussel (Check all that a		nat apply)			
		live	□Yellow	Œlongate	☐ Subtrapezoidal



☐Single shell

☐ Two shells, hinge attached

□Brown

□Tan

□Ovate □Subovate

☐Broken shell

	□Red		□Black			
What mussel species do you think the specime (The mussel field guide can help with identification!)			neck all that ap	ply):		
Brook Floater Eastern Pearlshell		,	□Triangle Flo	□Creeper		
☐ Eastern Pondmussel ☐ Yellow Lampmussel		اد	Eastern Elliptio		□Green Floater	
	ater Mucket		·			
Notes:	ater Wideket		Lasternica	Приназзет	LAIEWITE Floater	
1101031						
	1					
Mussel Specimen #3 Where was the specimen found))	Spacimon	Location (if p	accible)		
Dut of water (e.g. bank, shore,			Location (ii)	•		
	, sandbar) Latitude:			Longitude:		
☐n water, near banks stream						
☐n water, middle of stream	F		-111	5	de de la constante de la const	
Describe the specimen:	men: Exterior color of the (Check all that apply)			Describe the shape of the shell:		
□ive mussel	Green/Olive		□Yellow	Œlongat	e □Subtrapezoidal	
□Single shell	□Tan □Brov			□Ovate □	B ubovate	
□Two shells, hinge attached □Red		□Black		□Broken shell		
What mussal species do you thi		imon is 2 (Cl		nlu):		
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 ☐ Yellow			☐ Eastern Elliptio ☐ Green Floater		□Green Floater	
□ Eastern Floater □ Fidewater Mucket		□ Eastern Lampmussel □ Alewife Floater				
Notes:						
Mussel Specimen #4						
Where was the specimen found	!?	Specimen	Location (if p	oossible)		
Dut of water (e.g. bank, shore,	sandbar)	Latitude:		Longitude:		
□n water, near banks stream						
☐n water, middle of stream						



Describe the specimen:	Exterior color of the (Check all that apply)	Exterior color of the shell: (Check all that apply)		Describe the shape of the shell:	
□ive mussel	□Green/Olive	□Yellow	Œlongate	e □Subtrapezoidal	
☐Single shell	□Tan □Bı	rown	□Ovate □	Subovate	
☐Two shells, hinge attache	ed □Red	□Black	□Broken shell		
What mussel species do you think the specimen is? (Check all that apply): (The mussel field guide can help with identification!)					
□Brook Floater □E	Eastern Pearlshell	□Triangle Fl	oater	□Creeper	
□ Eastern Pondmussel □ Y	ellow Lampmussel	Œastern Ell	iptio	□Green Floater	
□ Eastern Floater □ T	Fidewater Mucket	Œastern La	mpmussel	□Alewife Floater	

Notes:

