

Zebra/Quagga Mussel (Quantitative) Report
Requires use of sampler plates

Form 3200-127 (R 02/10)

The purpose of this form is to track the abundance of adult zebra or quagga mussels in lakes where larvae or adults have previously been detected during AIS surveillance monitoring.

A report should be completed for each sampler deployed.

Notice: Information on this voluntary form is collected under ss. 33.02 and 281.11, Wis. Stats. Personally identifiable information collected on this form will be incorporated into the DNR Surface Water Integrated Monitoring System (SWIMS) Database. It is not intended to be used for any other purposes, but may be made available to requesters under Wisconsin's Open Records laws, ss. 19.32 - 19.39, Wis. Stats.

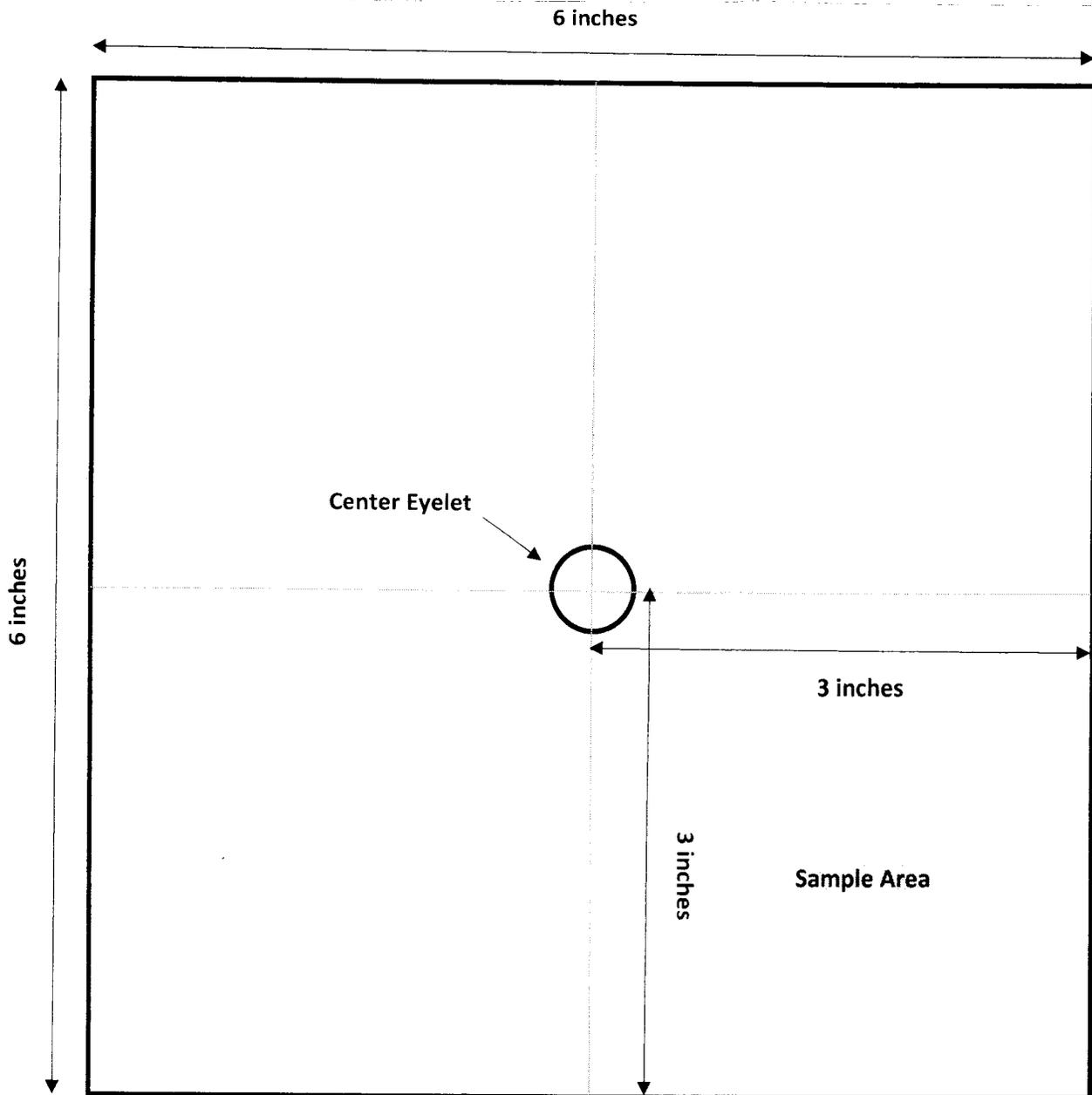
Primary Data Collector				
Name		Phone Number		Email
Monitoring Location				
Waterbody Name		Township Name	County	Station Name
Latitude (If not at an existing SWIMS monitoring station)			Longitude (If not at an existing SWIMS monitoring station)	
Date and Time of Monitoring				
Start Date	Start Time	End Date	End Time	
<i>Start Date = Date sampler deployed or since you last removed mussels from the plate. End Date = Date you pulled up the sampler.</i>				
Vertical Measurements				
Water Depth at Monitoring Location		Feet/ Meters (circle one)	Depth to Top of Zebra Mussel Sampler	
			Feet/ Meters (circle one)	
Measurements from where the invasive was found				
Water Temperature		Degrees F / Degrees C (circle one)		Dissolved Oxygen (mg/l)
Estimated percent cover where sampler plates were located				
Substrate cobble, %	Substrate muck, %	Substrate boulders, %	Substrate sand, %	Bottom covered with plants, %
Information about Mussels Found				
Number of Zebra Mussels on Top Side of Plates			Number of Zebra Mussels on Bottom Side of Plates	
Total Number of Zebra Mussels on Sampler			Size of Largest Zebra Mussel (mm)	Size of Smallest Zebra Mussel (mm)
Note: if more than 20 zebra mussels are found, measure 20 mussels chosen randomly from the sample. If less than 20 mussels are found, measure all mussels. Report results in the table on page 2 of this form.				
Additional Comments				

If you find Zebra Mussels

All initial discoveries should be placed in rubbing alcohol until verification by an expert is obtained. Please collect a sample and bring a copy of this form, along with the sample and a map showing where you found the suspect mussels to your regional Citizen Lake Monitoring Coordinator at the DNR.

If you don't Find Zebra Mussels

If you submit your data online, that is all you need to do. Otherwise, please mail a copy to your regional DNR Citizen Lake Monitoring coordinator. <http://dnr.wi.gov/lakes/contacts>



Area = length x width

3 inches x 3 inches = 9 inches squared (sample area)

Take total ZM found in the sample area and divide by 9. This will give the number of ZM per square inch.

Example:

For this example we will theoretically be using a cube plate sampler. When counting the number of zebra mussels in the 3 inch x 3 inch area (9 square inches), 10 zebra mussels were found.

Therefore, we take 10 zebra mussels and divide that by 9 square inches. This gives us approximately 1.11 zebra mussels/square inch.

The total surface area of a cube sampler is 288 square inches.

To find the total estimated amount of zebra mussels on the sampler, we take 1.11 x 288. This gives us a final estimate of approximately 320 zebra mussels on the sampler.