Phase II: Zebra Mussel Monitoring Report

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Personal Data

Name: P. Schmalz - GLEA

Address: Hwy 67 Po Box 200

City: Fontana   State: WI   Zip: 53125

Phone Number: 414-275-6310

Monitoring Location

Date: 8-27-96   Time: 8:15

County: Walworth   City: Linn Twnshp

Body of Water: Geneva Lake

Nearest Landmark (town, highway, boat ramp, bridge): Municipal Pier - next to Public Boat Launch - Hillside Road

Distance from nearest landmark: _____

Habitat Type: River/Stream ____   Natural Lake/Pond ✗   Marsh/Swamp ____
            Canal/Ditch ____   Man Made Reservoir ____   Estuary/Bay ____

Water Quality Parameters

Temperature: 26 °C   Secchi Depth: 2.9 m

Sampler Information

Total Water Depth: 2.4 m   Depth of Sampler: 1.1 m

Length of time sampler was in place (Days): 76 (20 since last chk)

Monitoring Results

Number of mussels found: # on Top side of Plates: 0   Spacers - 2

                # on Bottom side of Plates: 10

                        Total: 12

Size of the largest mussel (in mm): 1 mm

Size of the smallest mussel (in mm): 4 mm

Density of mussels on sampler: 27/m²

$$\text{Density of mussels}(N/M^2) = \frac{\text{Number counted (N) X 10,000}}{\text{Area Counted (cm}^2)}$$

Area conversions for the plate sampler described in this document:

Plate Size	Area (in.²)	Area(cm²)
6" x 6"	36	232
8" x 8"	64	413
10" x 10"	100	645
12" x 12"	144	929
Total (4 plates):	344	2219

If greater than 20 mussels are found measure 20 mussels chosen randomly from the sample. If less than 20 mussels are found measure all mussels found. Report results in table given on next page.

Length of Zebra Mussels

Number	Length (mm)	Number	Length (mm)
1	4 mm	11	2 mm
2	1 mm	12	3 mm
3	3 mm	13	
4	1 mm	14	
5	2 mm	15	
6	3 mm	16	
7	4 mm	17	
8	4 mm	18	
9	1 mm	19	
10	2 mm	20	

NOTE: All samples should be placed in isopropyl or rubbing alcohol until verification is obtained.