

PA Trout In the Classroom:

Record Keeping

RECORDKEEPING

Training students – once aquarium is set-up

- Instruct students in:
 - conducting a daily inspection of the aquarium each morning and closing of the day
 - checking equipment is working properly
 - conducting water quality monitoring to establish a “baseline” (e.g. what your “normal” water readings are for your aquarium and while it goes through the cycling process)
 - Conduct water monitoring, observations, and record them on a schedule/timeline you choose for your students

*Recordkeeping is essential to the program. Records identify potential problems and can be referenced for troubleshooting and trends. Use the following daily inspection record and progress reports or use student generated forms.

For example:

- Dates
 - Name of individual(s) conducting the tests and feeding the trout
 - Time trout were fed to avoid overfeeding
 - Feeding amount
 - Temperatures
 - Egg/alevin/fry numbers
 - Problems and solutions
 - Water quality testing results
 - Mortality
 - Observations: hatching, predation, etc.
- Organize teams and assign times for each to monitor and record the aquarium data
 - Explain the process of monitoring egg mortality and dead egg removal and assign three students to conduct the inspection twice daily for a week. At the close of the week, rotate one student out for a new student to allow for peer instruction

DAILY INSPECTION RECORD

Week of: _____

Inspectors' Names: _____

	CHECK THE FOLLOWING				RECORD DATA:				
	Chiller is plugged in	Air pump is plugged in	Water is clear	Water level is correct	Temperature (F)	pH	Ammonia (mg/L)	# of eggs/trout removed	Initials
Monday									
Wednesday									
Friday									

At the end of the week, you must calculate the following:

Average temperature: _____

Average pH: _____

Average ammonia: _____

Total mortality (# of eggs/trout removed): _____

Report of Operations

Teacher

School:

Species: _____

Phone #: _____

of Eggs Received: _____

Grades: _____

[illegible]

Total Egg Mortality: _____

Number Fry Released: _____

Total Fry Mortality: _____

Release Site/Stream: _____

Equipment Inspection Record

Date: _____
Temperature: _____
Chiller unit plugged in _____
Powerhead plugged in _____
Air Pump plugged in _____
Powerhead and Air Pump operating properly _____
 Water at correct level _____
 Even flow _____
 Bubbles evident _____
Water _____
 Clean _____
 pH within acceptable range _____
Mortalities removed and recorded _____
Comments: _____

Inspector's Signature _____

Equipment Inspection Record

Date: _____
Temperature: _____
Chiller unit plugged in _____
Powerhead plugged in _____
Air Pump plugged in _____
Powerhead and Air Pump operating properly _____
 Water at correct level _____
 Even flow _____
 Bubbles evident _____
Water _____
 Clean _____
 pH within acceptable range _____
Mortalities removed and recorded _____
Comments: _____

Inspector's Signature _____

Equipment Inspection Record

Date: _____
Temperature: _____
Chiller unit plugged in _____
Powerhead plugged in _____
Air Pump plugged in _____
Powerhead and Air Pump operating properly _____
 Water at correct level _____
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 Bubbles evident _____
Water _____
 Clean _____
 pH within acceptable range _____
Mortalities removed and recorded _____
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Equipment Inspection Record

Date: _____
Temperature: _____
Chiller unit plugged in _____
Powerhead plugged in _____
Air Pump plugged in _____
Powerhead and Air Pump operating properly _____
 Water at correct level _____
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 Bubbles evident _____
Water _____
 Clean _____
 pH within acceptable range _____
Mortalities removed and recorded _____
Comments: _____

Inspector's Signature _____

Who is feeding?
Do Not Over Feed, It can KILL the fish.

[illegible]