Chapter 7:
Record Keeping

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Record Keeping

Before the eggs arrive:

1. Instruct students on how to conduct a daily inspection of the aquarium;
2. Show them how to make sure the equipment is working properly and how to read and record the temperature;
3. It is best if you organize biologist teams and assign times for each to monitor and record the aquarium information;
4. Explain that when the eggs arrive, they will also be checking for egg mortality;
5. Assign three students to conduct the inspection twice daily for a week;
6. At the end of the week rotate out one student and put a new student in. This way, after the first week, you will always have two students with experience in conducting the inspection.

Have students inspect the aquarium early in the morning and at the end of the day and record their findings on the daily inspection record and on the progress chart.

Record keeping is an essential part of the program. Records can identify potential problems and can be used to reference experiences from past years. Students should record everything that is done or observed.

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.

You can use the following daily inspection record and progress reports that follow or have students create recording sheets of their own. In addition, progress reports can be posted on the Trout in the Classroom yahoo forum.

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Monitoring Records

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): _____

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Monitoring Records

Report of Operations

Teacher_____ School: _____
Species: _____ Phone #:_____
# of Eggs Received: _____ Grades: _____

	Mortality		Water				
Date	Egg	Fry	Temp	pH	Ammonia	Water Changed	Comments

Total Egg Mortality: _____ Number Fry Released: _____
Total Fry Mortality: _____ Release Site/Stream: _____

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Monitoring Records

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 _____
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 __________________

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Monitoring Records

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

Date	Time	Amount/Type of Feed	Name

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