



# Water Quality & Conservation Assessment

School Name: \_\_\_\_\_ Date: \_\_\_\_\_

Conducted By:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Congratulations on completing Step 1 by forming your Green Team!

### Step 2: Assess

Complete this Water Quality & Conservation Assessment to learn more about the current water quality and conservation practices at your school, and to help your Green Team choose a Long Lasting Change. Use the *Room Assessment Worksheet* (attached) and the *Water Quality & Conservation Assessment Guide* to assist you in filling out the following pages.

#### School Buildings

- What is the source of your school's water supply?
  - Municipal water supply
  - School has own well
- If your water comes from a municipal supply, what is its source?
  - Well (groundwater)
  - Lake or river (surface water)
- If your water comes from a municipal supply, how much did your school pay last year for water?  
\$ \_\_\_\_\_
- Using information from water bills or in-school water meters, how much water did your school use last year (Provide both. 1 cubic foot = 7.48 gallons)?  
\_\_\_\_\_ cubic feet & \_\_\_\_\_ gallons
- If your drinking water comes from a private well, who samples the water? \_\_\_\_\_  
Is that person a certified operator?  
 Yes     No
- If your drinking water comes from a private well, is it metered so that water use can be monitored?  
 Yes     No
- Is your drinking water tested for chemical contaminants and bacteria?  

<u>Chemical Contaminants</u>		<u>Bacteria</u>	
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Find out what contaminants are sampled and list them below.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



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8. Where does wastewater used in your school go?  
 Municipal sewer system     On-site septic system and drainage field
9. Does your school have a plan to deal with chemical spills that may travel into the public sewer system?  
 Yes     No
10. On average, how much water do the school's toilets use per flush?  
 >3 gallons     2-3 gallons     1-2 gallons     <1 gallon
11. How many hot water heaters does your school have? \_\_\_\_\_
12. What type(s) of energy is used to heat the school's hot water?  
 Natural gas     Propane     Electricity     Other: \_\_\_\_\_
13. Does your school have any "on demand" hot water systems (water that is heated as it is being used without the need for hot water storage tanks)?  
 Yes     No  
If yes, where are they located? \_\_\_\_\_
14. Are the water pipes in your school insulated?  
 Yes     No     Some
15. Does your school cafeteria have a food steamer?  
 Yes     No  
If yes, is it an efficient "connectionless" steamer?     Yes     No
16. Does your school cafeteria have an efficient pre-rinse spray nozzle (used to spray off dishes before they go into the dishwasher)?  
 Yes     No
17. Does your school cafeteria have a water-efficient dishwasher?  
 Yes     No
18. Does your school have a swimming pool?  
 Yes     No  
If yes, answer the following:
- |  |                                    |                                    |
|--|------------------------------------|------------------------------------|
| Does your pool have a pool cover that is used?                       | <input type="checkbox"/> Yes       | <input type="checkbox"/> No        |
| How does pool staff clean the pool's filters?                        | <input type="checkbox"/> Back wash | <input type="checkbox"/> Manually  |
| How often are pool chemical levels checked to insure proper balance? | <input type="checkbox"/> Daily     | <input type="checkbox"/> Bi-weekly |
|  | <input type="checkbox"/> Weekly    | <input type="checkbox"/> Monthly   |
- What sanitation processes or chemicals are used or added to the pool water?  
 chlorine     bromine     salt     ozone     UV light     other \_\_\_\_\_



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## School Grounds

19. How many water faucets are located outside of the school building? \_\_\_\_\_
20. How many of those faucets are leaking? \_\_\_\_\_
21. How many water faucets have been secured so that only school staff may turn them on or off? \_\_\_\_\_
22. Does school staff use hoses to wash sidewalks and parking areas?  
 Yes     No
23. What is the name of the watershed your school is located in? \_\_\_\_\_
24. What is the annual precipitation in the town your school is located in (inches)? \_\_\_\_\_
25. Does your school building have gutters and/or down spouts?  
 Yes     No  
If yes, how often are they cleaned? \_\_\_\_\_
26. Where does water that runs off the school's roof, parking lots and grounds go?  
 Storm drain             Rain garden             Recessed grassy areas     Retention pond  
 Drainage ditch             Rain barrel(s)             Natural pond, stream or wetland
27. Does your school have a plan for managing and reducing runoff from school grounds?  
 Yes     No
28. Does your school have a student or community organic garden?  
 Yes     No  
  
If yes, do you use captured rainwater, drip irrigation, or timed watering?  
 Yes     No
29. Does your school have a rain garden?  
 Yes     No
30. Does your school have any outdoor fountains or artificial waterfalls?  
 Yes     No  
If yes, answer the following:  
Are they turned off in the evening?             Yes             No  
Are they turned off in very hot weather?     Yes             No  
Do they re-circulate water?                     Yes             No  
Who maintains them? \_\_\_\_\_

31. How often are lawns (non-athletic) watered?

- Daily       Weekly       Twice a week       As needed       Not watered

What time of day are they watered?

- Morning (6-10 AM)       Late Afternoon (2-5 PM)  
 Early to Mid Afternoon (10 AM-2 PM)       Evening (5-9 PM)

32. Do your lawns have shade trees?

- Yes     No

33. Do you have athletic fields?

- Yes     No

If yes, how many fields are there? \_\_\_\_\_

How often are the athletic fields watered?

- Daily       Weekly       Twice a week       As needed       Not watered

What time of day are they watered?

- Morning (6-10 AM)       Late Afternoon (2-5 PM)  
 Early to Mid Afternoon (10 AM-2 PM)       Evening (5-9 PM)

## Curriculum and Community

34. Is water conservation or water quality part of your school's curriculum?

- Yes     No

If yes, in what grades is it taught? \_\_\_\_\_

35. Have any of your school staff participated in any staff development programs for water education within the past year?

- Yes     No

36. Does your school participate in any water related/restoration projects that benefit the community?

- Yes     No

If yes, what are they? \_\_\_\_\_

37. Do any clubs or organizations within the school organize car washes as a fundraiser?

- Yes     No

If yes, which ones? \_\_\_\_\_

38. Does your school have any natural water features (such as a pond or creek) on its property?

- Yes     No

If yes, does your school use it as a learning tool for students?     Yes       No



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39. Some water management facilities can be used as educational resources. Which can be used in your community?

- |                                |                              |                             |                 |
|--------------------------------|------------------------------|-----------------------------|-----------------|
| Pump station                   | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Location: _____ |
| Water tower                    | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Location: _____ |
| Drinking water treatment plant | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Location: _____ |
| Wastewater treatment plant     | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Location: _____ |
| Stormwater detention pond      | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Location: _____ |

40. Do you have water resource educators in your community?

- Yes     No

If yes, list the name(s) of the agencies they work for and contact info:

_____	Phone #: _____
_____	Phone #: _____
_____	Phone #: _____

41. Do you have technical assistance in your community for water resource issues at your school?

- Yes     No

If yes, list the name(s) of the agencies they work for and contact info:

_____	Phone #: _____
_____	Phone #: _____
_____	Phone #: _____

42. Do students at your school participate in any water quality testing or monitoring programs?

- Yes     No

43. Do students at your school study salmon or other fish habitat, or raise salmon/fish in the classroom?

- Yes     No

44. Do your students learn about their watershed, where their water comes from and where it goes after use?

- Yes     No

45. Have students at your school participated in any storm drain stenciling projects around the school grounds or in nearby neighborhoods?

- Yes     No





