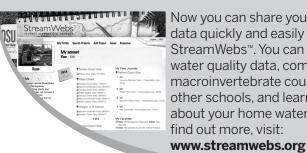


Extension Service

RIPARIAN AREA TRANSECT DATA FORM



Now you can share your field data quickly and easily using StreamWebs™. You can graph your water quality data, compare your macroinvertebrate count with other schools, and learn more about your home watershed. To find out more. visit:

School:		_ Teacher:			
Date:	Time:				
Stream/Site Name:					
What You Need:					
\square 100-foot tape measure	🗌 Riparian Ar	rea Transect data f	orm		
\square 15-foot rope with a ring	attached in the midd	lle of its length	☐ Instructions		
Plant and tree identifica	ation books or charts				

Procedure:

- 1. Set the transect. Stretch the transect tape measure from the water's edge or a clearly discernible high water line perpendicular to the stream into the riparian area. Hold the two ends so that the tape is stretched out to its full 100' length. The tape is divided into five parts, each 20 feet long. These divisions mark off five 20-foot "zones" in the riparian area, "Zone 1," "2," "3," etc.
- 2. Count trees. Place the ring on the 15-foot rope over the transect tape. Start from the 0-foot mark, and walk parallel to the transect tape towards the 100-foot mark. Each time you reach one of the 20-foot marks, check to see if the rope touches any trees, shrubs, etc. by using the rope to measure out a circle with a diameter of 15 feet (an area with a radius of 7.5 feet, with the attached ring as the centerpoint). Identify any plants within the diameter of the area that the rope covers. Then tell the recorders whether the plants are conifers or hardwood trees; or shrubs; and the zone that they are in.



3. Record data. Record your data on the back of this form. The recorders should fill out the information about the transect site at the top of the data form, record the number of conifers, hardwood trees and shrubs. Additional comments about dead wood, side channels, etc., may also be recorded. Either during the data collection or after, enter data on the graph on the reverse of this form. Shade in the box above the appropriate zone in either the conifer or hardwood category. Shade one box per tree tallied.

RIPARIAN ARE	EA TRANSE	СТ					
Date:							
Student's Names:							
Stream:							
Estimated slope (rise/run) of stream bank:							
Zone	Conifers	Hardwoods	Shrubs	Additional Comments			
1 Set 15' rope at 20' from water							
2 At 40' from the water							
3 At 60' from the water							
4 At 80' from the water							
5 At 100' from the water							
Other Observat	ions:						
RIPARIAN ARI	EA TRANSI	ECT DATA G	:PAPH*				

RIPARIA	N AREA T	RANSEC [*]	T DATA GI	RAPH*					
Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood
ZO	NE 1	ZOI	NE 2	ZOI	NE 3	ZOI	NE 4	ZOI	NE 5

^{*}Shade in the box above the appropriate zone in either the conifer or hardwood category. Shade one box per tree tallied.