Greenline Transect

1. Measure a 100 ft stretch along your stream. Place a flag near the water at the beginning and end points.

2. Standing at the first flag, look toward the water. Note the vegetation type that is closest to the water and record it in row (1) of the data sheet.

3. Take one pace toward the other flag and stop. A pace is a normal stride you would take while walking. Look toward the water and record the vegetation type closest to the water.

4. Repeat these steps until you reach the other flag.

5. Add up total number of steps you took and record in row (2).

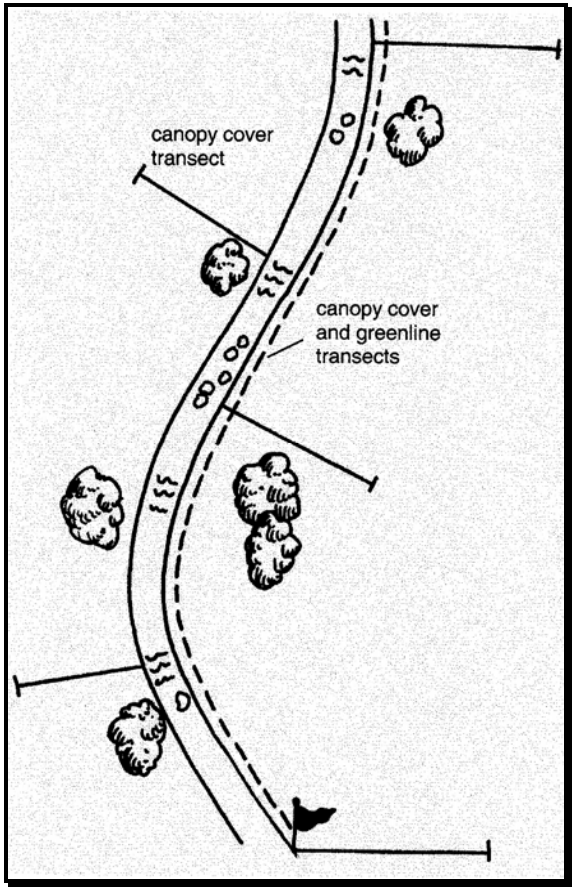
6. Sum up all the observations and record in row (3)

7. For each vegetation category, divide the number in row (2) by the number in row (3), multiply by 100 and record in row (4). This will give you the percentage of the greenline that is made up of that vegetation category. For example, if you took 50 steps and found grass at 20 of them then 40% of your greenline consists of grasses.

8. For each vegetation category, multiply the number in row (4) by the factor in row (5) and record in row (6). This will give you the "site score" for each vegetation category. Because sedges and rushes have the strongest roots and prevent erosion the best they receive the highest factor - "9." Bare ground doesn't prevent erosion so it receives the lowest factor – "1."

9. Add the individual site scores in row (6) together to get the "total site score" for that stretch of stream.

* The higher your score the stronger your plant roots are and the more your stream banks will resist erosion.



Materials –

- Flagging
- Tape measure
- Riparian Zone Data Collection Sheet
- Plant guide (optional)

Greenline Transect

1. Measure a 100 ft stretch along your stream. Place a flag near the water at the beginning and end points.

2. Standing at the first flag, look toward the water. Note the vegetation type that is closest to the water and record it in row (1) of the data sheet.

3. Take one pace toward the other flag and stop. A pace is a normal stride you would take while walking. Look toward the water and record the vegetation type closest to the water.

4. Repeat these steps until you reach the other flag.

5. Add up total number of steps you took and record in row (2).

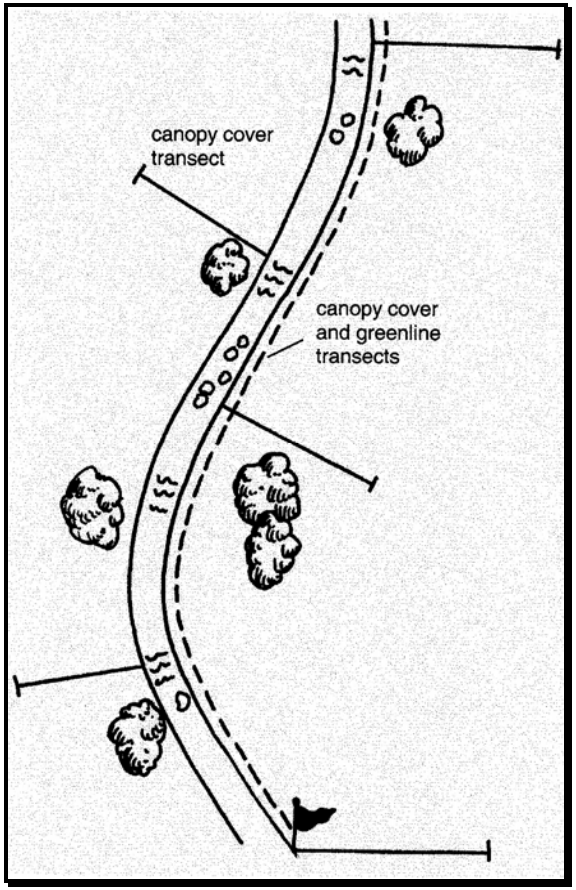
6. Sum up all the observations and record in row (3)

7. For each vegetation category, divide the number in row (2) by the number in row (3), multiply by 100 and record in row (4). This will give you the percentage of the greenline that is made up of that vegetation category. For example, if you took 50 steps and found grass at 20 of them then 40% of your greenline consists of grasses.

8. For each vegetation category, multiply the number in row (4) by the factor in row (5) and record in row (6). This will give you the "site score" for each vegetation category. Because sedges and rushes have the strongest roots and prevent erosion the best they receive the highest factor - "9." Bare ground doesn't prevent erosion so it receives the lowest factor – "1."

9. Add the individual site scores in row (6) together to get the "total site score" for that stretch of stream.

* The higher your score the stronger your plant roots are and the more your stream banks will resist erosion.



Materials –

- Flagging
- Tape measure
- Riparian Zone Data Collection Sheet
- Plant guide (optional)