

### Salmonberry Habitats

**Directions:** Use the following information to answer questions 11 through 19.

Greta and Scott did a field study with a park ranger to learn where black bears find salmonberries to eat in the forests of Washington. They did the following field study.

**Field Study Question:** How does the number of salmonberry plants change among different habitats?

#### Salmonberry Habitats Field Study

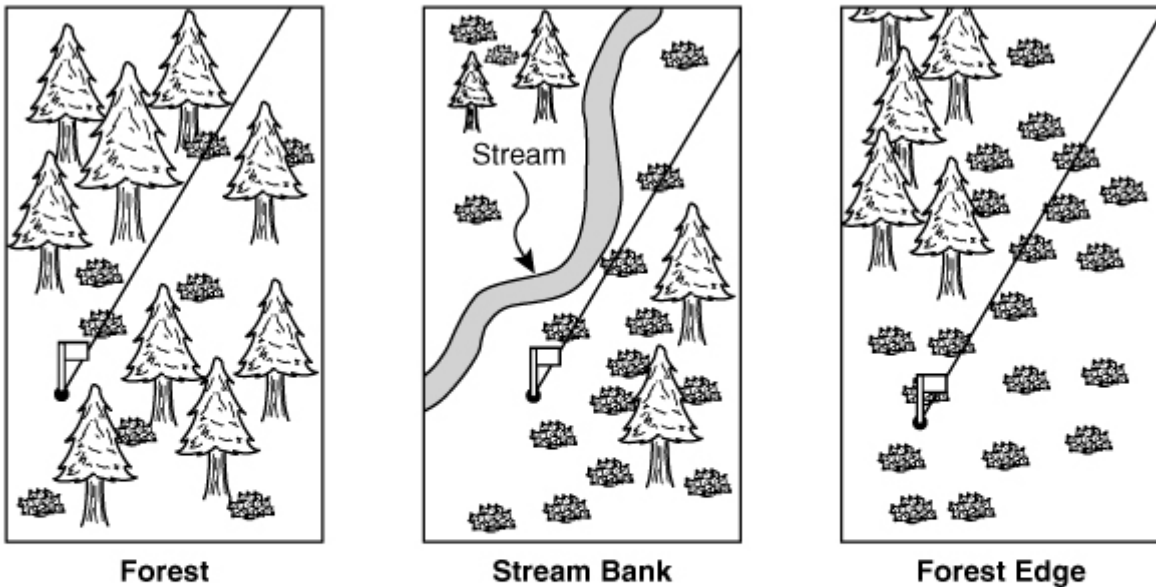


Diagram not to scale

**Procedure:**

1. Go to the forest habitat. Record the location, date, and time.
2. Choose three different locations in the forest habitat. Mark each location with a flag and attach a 30-meter rope. Label the flags as Location 1, Location 2, and Location 3.
3. Using a compass, walk 30 meters north from Location 1. Mark the line walked with the rope.
4. Count the number of salmonberry plants that touch the 30-meter rope and record as Location 1.
5. Repeat steps 3 and 4 for Locations 2 and 3 for the forest habitat.
6. Repeat steps 1 through 5 for the stream bank and forest edge habitats.
7. Calculate and record the average number of salmonberry plants for each habitat.

**Data Collected:**

Location: Forest, stream bank, and forest edge habitat

Date and Time: May 1, 2, and 3, 1:00 P.M.

**Habitat vs. Number of Salmonberry Plants**

Habitat	Number of Salmonberry Plants (on a 30-meter rope)			
	Location 1	Location 2	Location 3	Average
Forest	7	3	8	6
Stream bank	19	17	21	19
Forest edge	23	22	27	24

