4-H Range Data Sheet

A record is part of your 4-H project. Keep your record neat, clean, and up-to-date. It's best to use a pencil. Write clearly. If you need help, ask your parents or leaders. If you need more space, add notebook paper to your record.

Date _____ Crew members _____

Location _____ Plot no. _____ Elevation _____ Percent of slope _____

Season _____ Temperature _____ Annual precipitation _____ Soil type _____

Type of habitat study area ***(check one)***

- ❑ Temperate forest
- ❑ Temperate grassland/meadow
- ❑ Cultivated land
- ❑ Other:
- ❑ High desert forest
- ❑ High desert grassland/meadow
- ❑ High desert shrub land
- ❑ Riparian
- ❑ Marine/tidal area
- ❑ Oak savanna

Range observations

Record vegetation (all species), litter (dead material), rock (greater than 1 inch), and bare ground of the study area. You will need a 25-foot tape measure, clipboard, pencil, and this check sheet. **Repeat the observations four times at different locations throughout the study area.** Measure with the tape in 1-foot increments. When the tape touches any vegetation, litter, rock, or bare ground, put a ✓ in the correct box. (Example: If your tape touches any vegetation in the first foot, put a ✓ in the 1-foot row, first column, under "Vegetation.")

# feet into study area	Vegetation				Litter				Rock				Bare ground			
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																
25																

OREGON STATE UNIVERSITY
EXTENSION SERVICE

4-H 303LR-h
July 2002

Summarize your data

Item	Observations 1st	2nd	3rd	4th	Total	Percent (%)*
Vegetation					a.	
Litter					b.	
Rock					c.	
Bare ground					d.	
Total					e.	

* Percent (%) = the total of each item (4 observations) divided by the total of all items.
Example: Total a. ÷ Total e. = Percent a.

1. Is there evidence of soil erosion? Yes _____ No _____ If yes, please describe.

2. Does the vegetation appear vigorous? Yes _____ No _____
   Do there appear to be multiple species of vegetation? Yes _____ No _____
   Does there appear to be recruitment of young plants? Yes _____ No _____
   Is the study area effectively capturing, storing, and releasing water? Yes _____ No _____

3. Observe and list the type(s) of management activity within the study area. (Example: grazing, fire, timber harvest, seeding)

4. Do the management activities seem to be in balance with the condition of the range? Why?

5. Based on the above observations, how would you classify the condition of the range?
   Excellent _____ Good-to-fair _____ Poor_____
   If you classified the range "Good-to-fair," is the trend upward, toward "Excellent," or downward, toward "Poor"? _____

6. Based on the above observations, what recommendations would you make to help improve the condition of the range?

Published July 2002.