Name _____

Section _____

Successional Changes in Vegetation
Data Sheet

	Station 1	Station 2	Station 3	Station 4	Station 5	Station 6	Station 7	Station 8	Station 9	Station 10	Station 11
Narrow-leaf plants, e.g., grass	0	130	3	200	3	1	0	1	0	0	0
Herbs under 50 cm tall		23									
Herbs over 50 cm tall		8									
Shrubs (branches at 1 m or less)	0	0	1	1	2	2	2	0	0	0	0
Trees (branches above 1 m)	2	1½	3½	5	2½	1	3	5	½	2	2½
Average height of dominant vegetation	7m	15m	12m	2.5m							
Air temperature											18.1°C
Soil temperature											16°C
Wind speed										2.4mph	0
Light meter reading										245	1650
Relative humidity											

1. Using the information gathered, describe the climate of the communities you visited.

2. Was there a difference in stages of succession in the various stations where you collected data? At which station was succession at its earliest; at which station was it closest to climax?

3. What human influences did you notice that have interfered with the normal process of succession? What is their effect?

4. Which station do you think showed the greatest variety of organisms and complexity? Why do you think this is true?

Name _____

Section _____

Successional Changes in Vegetation
Data Sheet

	Station 1	Station 2	Station 3	Station 4	Station 5	Station 6	Station 7	Station 8	Station 9	Station 10	Station 11
Narrow-leaf plants, e.g., grass	O	250	20	420	1	35	2	O	24	37	O
Herbs under 50 cm tall	O	O	O	11	3	O	O	O	O	O	O
Herbs over 50 cm tall	O	O	O	O	O	O	O	O	O	O	O
Shrubs (branches at 1 m or less)	2	1	4	1	3	2	3	0	O	O	O
Trees (branches above 1 m)	2	0	1	4	2	1	2	1	2	2	2
Average height of dominant vegetation	3 STICKS	95	130	270		15 stick	145 sticks	16 stick	18.5 stick	17 sticks	17 sticks
Air temperature	26.2°C	25.1°C	26.7°C	26.5°C	29.1°C	23.2°C	23°C	23°C	22.5°C	24.6°C	25.5°C
Soil temperature	25°C	24°C	20°C	19°C	18°C	15°C	15°C	16°C	20°C	21°C	21°C
Wind speed	2.5 mph	2.5 mph	5.7 mph	22.8 mph	0	0	28 mph	0	2	1.8	2.1
Light meter reading	807	28	106	53	68.41	90	500	200	30	8.	11
Relative humidity GPS	36°51.760 119°45.644 W	36°51.759 119°45.641 W	36°51.756 119°45.63	36°51.756 119°45.69	36°51.75 119°45.64	36°51.75 119°45.62	36°51.75 119°45.67 W	36°51.75 119°45. 62.46	36°51.747 119°45.45 W	36°51.744 119°45.45 W	36°51.741 119°45.62

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Successional Changes in Vegetation
Data Sheet

	Station 1	Station 2	Station 3	Station 4	Station 5	Station 6	Station 7	Station 8	Station 9	Station 10	Station 11
Narrow-leaf plants, e.g., grass	5	150	5	180	3	1	0	1	4	0	3
Herbs under 50 cm tall	8	150	5	8	0	1	0	0	4	0	3
Herbs over 50 cm tall	2	0	0	0	0	0	0	1	0	0	0
Shrubs (branches at 1 m or less)	1	0	4	2	5	3	2	0	0	0	0
Trees (branches above 1 m)	3	0	1	3	1	1	3	1	2	2	2
Average height of dominant vegetation	8m.	93cm.	19½m	24m.	22½ m	16½ m	20 m	2.5m	19 m	20m	
Air temperature					24.6°C	26.1°	24.0°C	23.9°	25.7°C		
Soil temperature					23°C	17°C	18°C	20°C	24°C		
Wind speed					4.3mph	3.2mph	3.9mph	3.6mph	2.5 mph		
Light meter reading					499	451	26	14	428		
Relative humidity					39%	34%	39%	39%	34%		

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