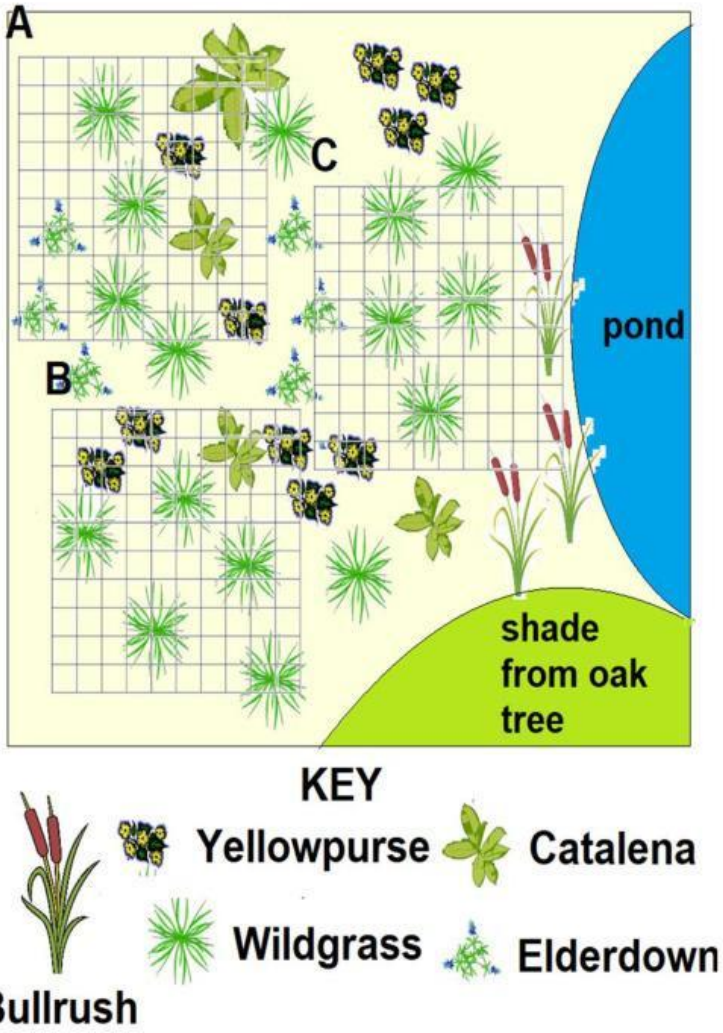


KEY

Yellowpurse

Catalena

Wildgrass

Elderdown

Bullrush

Use the diagram on the left to answer the questions 1-8.

1. Complete the following table showing the numbers of each plant counted in each quadrat.

Plant	Quadrat A	Quadrat B	Quadrat C
Bullrush			
Catalena			
Elderdown			
Yellowpurse			
Wildgrass			

2. Which plant appears to need water to thrive?

   _____

3. Why did the students avoid throwing the quadrat under the oak tree?

   _____

   _____

4. In which quadrats are there no bullrushes? _____

5. Which plant is the greatest in number in quadrat B?

   _____

6. Which plant takes up the greatest **percentage** of quadrat C? _____

7. Estimate the percentage of the quadrat taken up by the plant named in #6 above. _____%

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8. Complete the table below using the previous diagram of the sample area.

Species	Number of individuals in Each Quadrat					
	Q1	Q2	Q3	Total # Organism	Species Density /# of individuals per m^2	Species Frequency / %
Wildgrass						
Catalena						
Elderdown						
Yellowpurse						
Bullrush						

Extension Work

9. Calculate the information required on the following table. If the answer comes to a decimal, round to the nearest **WHOLE NUMBER.** Shaded boxes require no information.

Species	Number of individuals or Percentage Cover													
	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Total of 10 Quadrats	Species Density	Species cover	Species Frequency
Pix	3	5	8	9	6	10	0	0	0	0				
Stix	18	24	0	0	0	16	0	0	0	2				
Trix	50%	100%	18%	50%	35%	20%	0	0	0	0				
Lix	0	0	0	80%	0	0	0	0	0	0				
Nix	16	16	3	50	1	**ND**	**ND**	**ND**	**ND**	**ND**				
Bix	10%	25%	5%	30%	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**				
Fix	700	500	32	100	0	0	0	230	0	40				
Hix	52	81	6	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**				

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