Introduction	
Aim/Purpose	To report on..
Results Constructs a table with a; ▪ Title which incorporates the variables ▪ Column and row headings ▪ Accurate units.	**Title:**

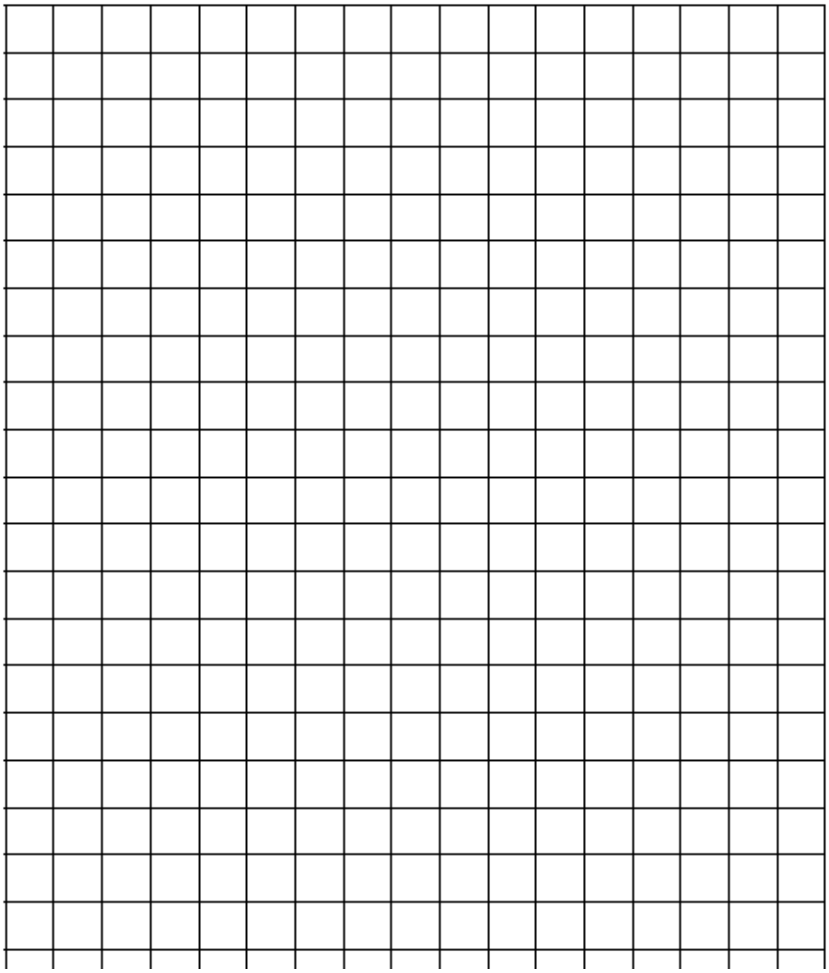
Graph

Constructs a graph with

- A suitable title incorporating the variables
- Axes labels
- An incremental scale
- Accurate plotting of data.

Always use a pencil and ruler!

Title:



Discussion

Summarise the results from your investigation

Describe the patterns and trends visible in your data. Did species go up or down over time? Why did they go up or down?

How will the proposed bridge affect the macroinvertebrate abundance and diversity? Why do you think they will be affected. Refer to your data to support your opinion.

What are the impacts of changes in macro invertebrate species diversity and abundance? What other impacts might the proposed bridge have on the lake ecosystem? Use the background information to assist you in your answer. Are there cultural aspects that need to be considered prior to the construction of the bridge? What are the positives and negatives of the bridge being built?	
Reliability and Validity Were the results of this report reliable? How do you know?	

Were the results of this report valid? How do you know?	
Mitigation If you were to approve the bridge, what rules would you put forward that the builder should follow? What changes would you recommend to their plan before building? What measures can be put in place to minimise the risk/harm to the Lake Joondalup ecosystem?	

Evaluation *Write this in paragraph form using full sentences and answering the questions below.* **1.** Describe at least two limitations to the information contained in this report. **2.**What can be done to improve the value of the information you have based your decision on?	
Conclusion *Write this using full sentences. Consider the following questions* Based off the data you have analysed, would you support the construction of the bridge? Provide evidence from the data to justify your position.	

Section	Description	Marks Available	Marks Received
Introduction	Provides background information about the location of the proposed project. Provides background information about the proposed project.	6 4	/10
Results (Table and Notes)	Records data using required number of tables Includes appropriate labels in each table Identifies potential outliers in the raw data and states possible reasons for their value. Tables contain data to be graphed rather than copies of tables provided.	2 2 2 2	/8
Graph	Completes all required graphs Includes an appropriate title for each graph stating the variables being graphed. Correctly labels all axes, including correct units. Uses correct type of graph for each graph Correctly plots points on all graphs Pencil and Ruler for all graphs	4 1 1 1 1 1	/10
Discussion	Describes patterns and trends in the data. Compares data between sampling years. Describes potential impact of abiotic factors on macroinvertebrate species abundance and diversity. Describe potential impacts to other aspects of Lake Joondalup (migratory birds, Indigenous culture, etc) Uses questions to form paragraphs rather than simple answers. Provides recommendations on how to minimise the impact of the bridge on species abundance and diversity.	2 2 10 6 1 5	/26
Reliability	Comments on the reliability and validity of the data collected	4	/4
Mitigation	Provides recommendations to the plan for the bridge before it proceeds. Provides realistic strategies to minimise harm to the Lake Joondalup ecosystem.	3 3	/6
Evaluation	Describes at least two limitations with the experiment that may affect the accuracy of the data Suggests at least two improvements for the experiment in the future	2 2	/4
Conclusion	Summarises findings from the investigation Provides justification for the approval or rejection of the bridge.	1 4	/5
Total Marks		73	/73