

# Popoia Island Post-Field Trip Plant Summary

## Instructions:

1. Have each of the plant groups transfer their plant data to the class data sheet. This will require some work as the students will have to calculate the number of native and alien species in each of their quadrats **(using the plant key)**.

2. Divide the plant group up into four subgroups to complete the following tasks:

**Group 1:** Graph the number of plant species per quadrat on Popoia Island. Calculate and record the average number of plant species per quadrat.

**Group 2:** Calculate the % native species in each quadrat on the class data sheet. Graph these data and calculate and record the average % native species.

**Group 3:** Figure out the location of each groups' transect, and map the approximate transect locations out on the diagram of Popoia Island. Create a key to go with the map. Discuss the ways in which the plants on Popoia Island are different than those on Kanewai Field, and record the three most important ways.

**Group 4:** Write out a summary of the plant data in complete sentences. The items that must be included in the summary can be found at the bottom of the summary sheet.

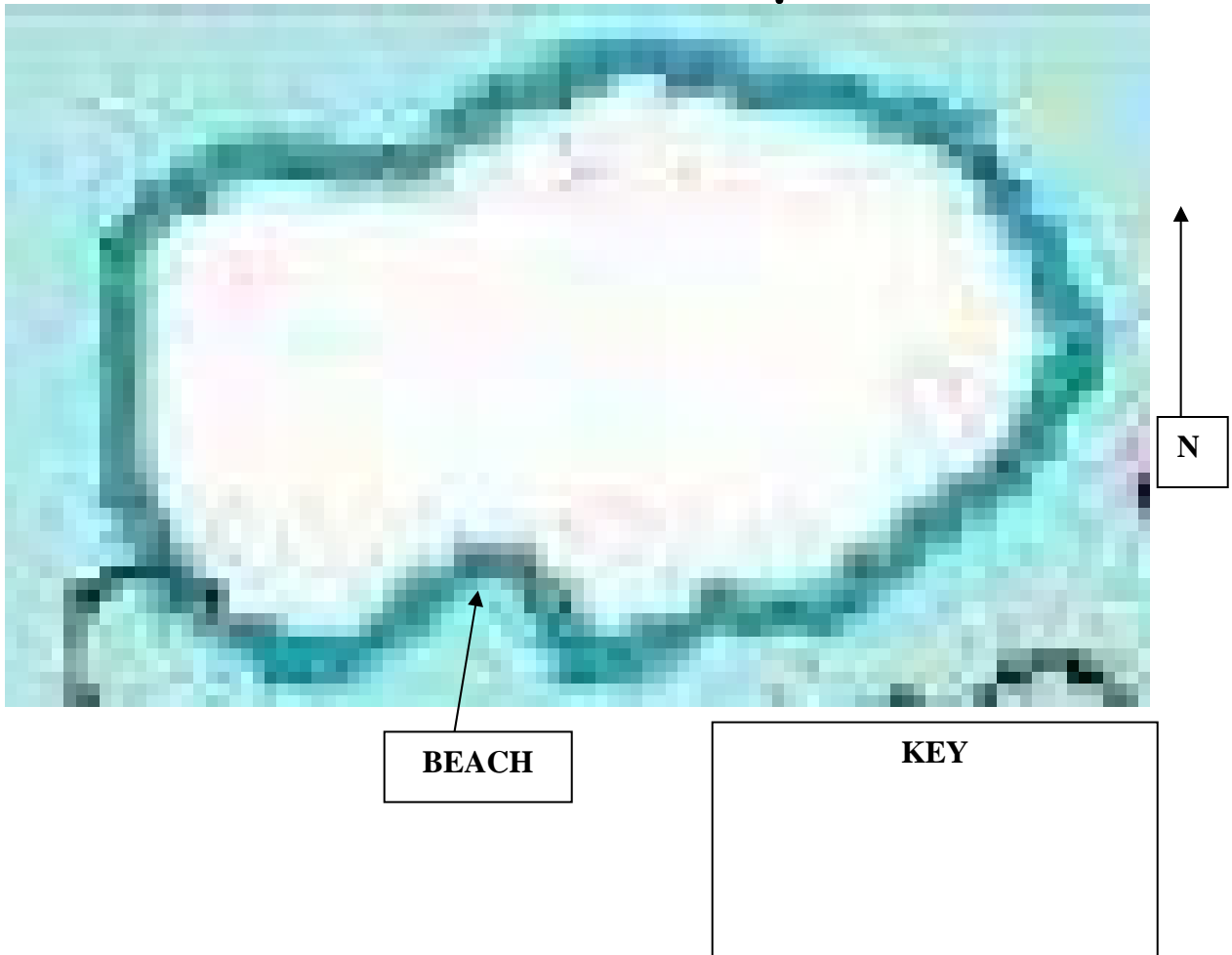
### Popoia Island Class Plant Data

Group #	Quadrat #	# of Plant Species	# of Native or Endemic Species	# of Alien Species	% Native Species
	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
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	21				
	22				
	23				
	24				
	25				
	26				
	27				
	28				
	29				
	30				
	<b>Total:</b>				
	<b>Average:</b>				





## Transect Locations on Popoia Island



## Three Differences between Plants at Popoia Island and Kanewai Field

- 1.
- 2.
- 3.

