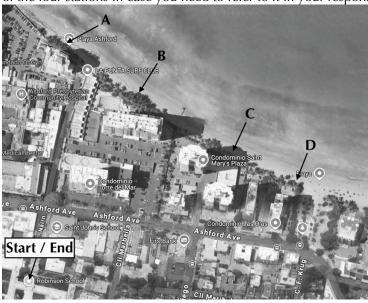


## 2024 IESO Fieldwork Exercise Part 2

Name	
Division	
ID Number	

**General instructions -** Respond to each of examination questions in the space provided. Only answers written in the appropriate space on the answer document will be marked. Where appropriate, you should write sentences or phrases instead of single words. If a question or section asks for a specific number of reasons or answers, give only the number of answers specified. Show your work on all mathematical calculations. Please write clearly and legibly.

**Fieldwork map** – Below is a map of the beach area where the Fieldwork Exercise took place with approximate locations for each of the four stations in case you need to refer to it in your responses.



Question 1 [30 points] – Human Use of the Beach
A. List the four most common activities you observed people doing on the beach during your observations.
activity 1
activity 2
activity 3
activity 4
B. Based on the activities you listed in part A, identify and explain TWO specific environmental impacts of these activities.
impact 1
impact 2
C. In as much detail as possible in the space provided, describe the types of waste and trash you saw on the beach.

D. Briefly discuss TWO specific methods by which the city government of San Juan or the territorial government could
, , , , , , , , , , , , , , , , , , , ,
encourage people to leave less waste on the beach or to promote recycling on the beach.
method 1
method 2
E. Briefly discuss TWO specific methods by which the city government of San Juan or the territorial government could
, , , , , , , , , , , , , , , , , , , ,
increase opportunities for people to use the beach without causing harm to local wildlife or environmental damage.
method 1
method 2
F. What was the pH level of the seawater you tested?
In what way can human activity affect the pH of seawater? Be as specific as possible in the space provided.
Section Score
Question 2 [20 points] – Birds and Human Impact
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Question 2 continues on the next page.

. Briefly discuss TWO specific methods by which the city government of San Juan cou	uld protect the habitats of bi	rds on this
each while still allowing human use.		
ethod 1		
ethod 2		
etiloti 2		
	<b>Section Score</b>	
mentary students STOP here! DO NOT answer question 3! Middle and High school	students continue to the ne	ext question
ection 3 – Coastal Erosion and Hurricanes [30 points]		
. Explain in the space provided why Puerto Rico, and San Juan in particular, is vulnera	able to the effects of hurrica	nes.
Explain in the space provided how climate change has affected hurricane formation,	frequency, and intensity in	this region.
. Briefly discuss TWO specific methods by which the government could protect the be	each you visited from furthe	r erosion.
ethod 1		
ethod 2		
ethod 2		
	Section Score	