

Geography

Section II (continued)

Marks

Question 18 (10 marks)

Refer to Sources I and K.

- (a) Identify TWO human activities that may place the Avon–Heathcote Estuary at risk. 2

Fishing will alter the food chain by reducing the base of, power, recreational water craft ^{usage} have led to dredging and can cause habitat damage

- (b) Identify a management strategy currently used in the Avon–Heathcote Estuary, and evaluate its likely success in terms of the ecological sustainability of this ecosystem. 4

The removal of untreated sewage from the estuary and rivers (K), has allowed for the natural chemical balance to take place. The removal of pollution radicals will mean that the habitats and food chains will not be completely destroyed, thus allowing future generations to survive and reproduce. The monitoring of current populations amongst species also determines the effectiveness of management strategies.

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Question 18 (continued)

- (c) What are TWO important questions that a geographer could ask to determine the validity and reliability of the 'Selected Bird Numbers' information? 4

The selected species could be migratory. What do permanent resident bird numbers reveal about the environment. Where the birds counted at the same time every year?

Are the birds affected by the impacts because there is no comparison.

End of Question 18