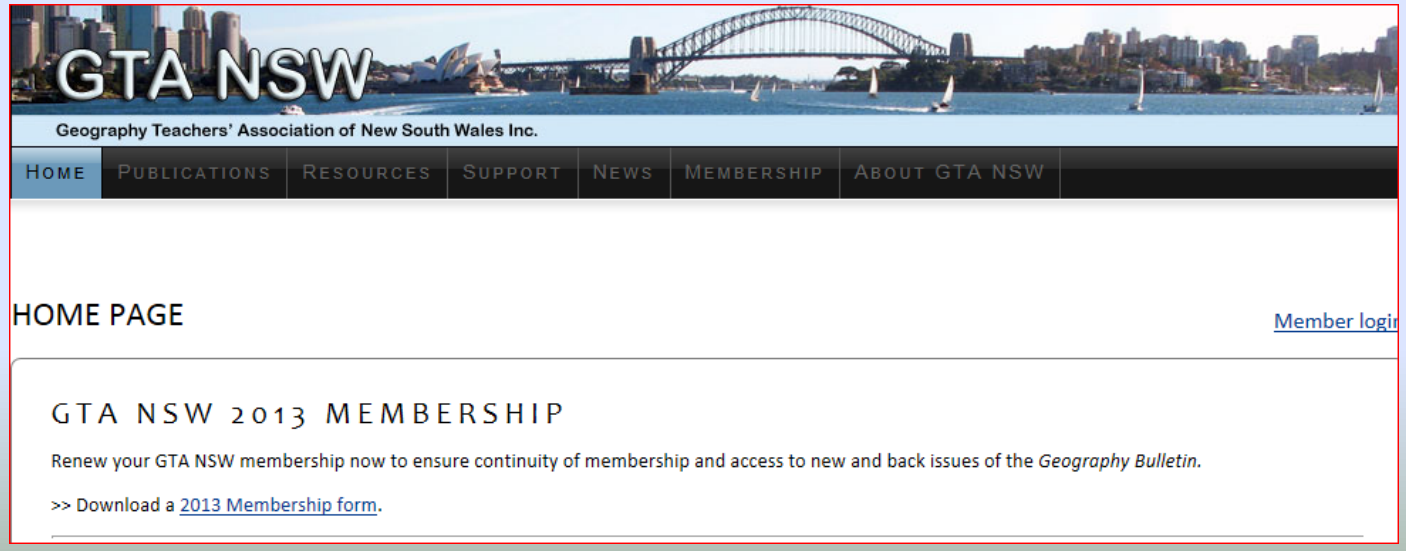
GTANSW HSC REVIEW

Newcastle Merewether High School Tuesday 19th February

Sydney Loreto Kirribilli College Tuesday 26th February

Wollongong St Mary Star of the Sea College Tuesday 5th March



RAP at BOS

The Results Analysis Package (RAP) is designed to support teachers and principals in analysing the School Certificate and Higher School Certificate results of their students, and enables them to display a range tables and graphs in relation to this data.

Course Frequency Distribution Tables

Course Frequency Distribution Tables is a summary of the results of the School Assessments, the Moderated Assessment, Examination or HSC Marks for a particular course in terms of the frequency of mark allocation.

Course Report Analysis

This table enables the comparison of student performance within a course at both school and state level.

Z-Score Analysis

A z-score measures the distance measured in standard deviations that a score is from the mean. Therefore the z-score analysis shows a school's performance relative to the state mean in each selected course.

Band Summary Table

Band Summary Table displays the number and percentage of students in Performance Bands both in the school and state for a particular course.

Band Analysis

Band Analysis shows the percentage of students in each performance band in a particular test or examination.

Band Analysis Table

Band Analysis shows the percentage of students in each performance band in a particular test or examination.

Frequency Distribution of Marks

Course Frequency Distribution Tables is a summary of the results of the School

Multiple Choice Analysis

Multiple Choice Analysis displays the number and the percentage of students choosing each answer for both your school and the state.

Multiple Choice Analysis by Band

Multiple Choice Analysis displays the number and the percentage of students choosing each answer for both your school and the state. By band.

Item Analysis

Item Analysis displays the mean mark for a particular course and selected question achieved by your school group and by the state cohort. CHANGED

Item Analysis Table

1 – 20 Skills	Keith Hopkins – Loreto Kirribilli
21 Cross Section	Keith Hopkins– Loreto Kirribilli
22 Ecosystem short answer	Christine Meharg – Mount Carmel
23 Urban short answer	Lesley Miller
24 PEA short answer	David Latimer Kerrie Goonan - TIGS
25 Ecosystem essay	Peter Stefan – Riverview Lyn Wood – Figtree High
26 Urban essay	Rex Cooke – Waverley College
27 PEA essay	Terry McCann - St Marys Senior

The Geography candidates for HSC exams are;

2012 - 4297

2011 - 4431

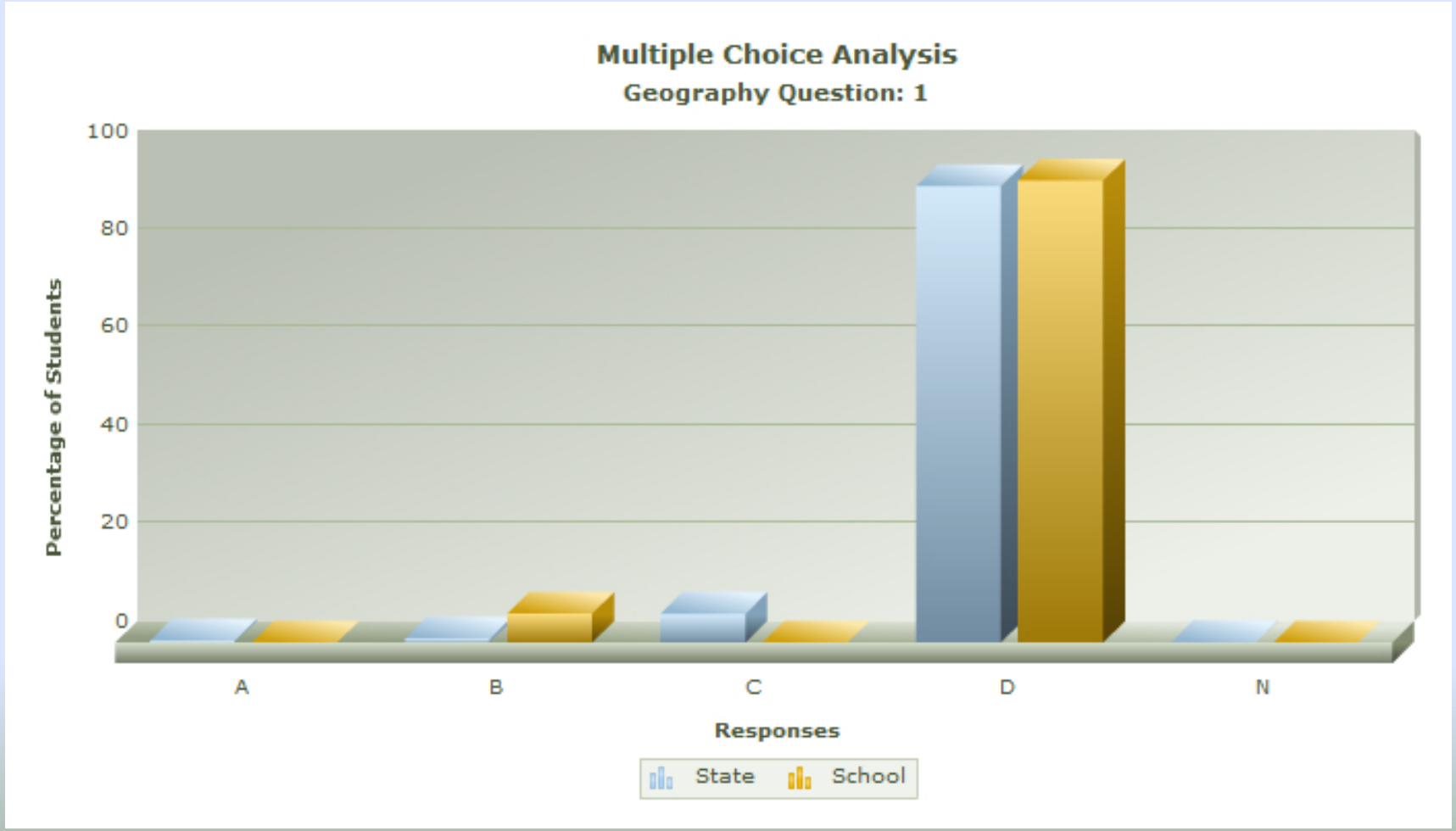
2010 - 4621

2009 - 4572

2008 - 4314

1 Refer to Sources *G* and *H* on page 3 of the Stimulus Booklet to answer Question 1.
Which of the following is best illustrated by Sources *G* and *H*?

(A) The need for population growth
(B) The dynamics of weather and climate
(C) The future directions of an economic activity
(D) The importance of ecosystem management and protection



Refer to Source *F* on pages 2–3 of the Stimulus Booklet to answer Questions 2–5.

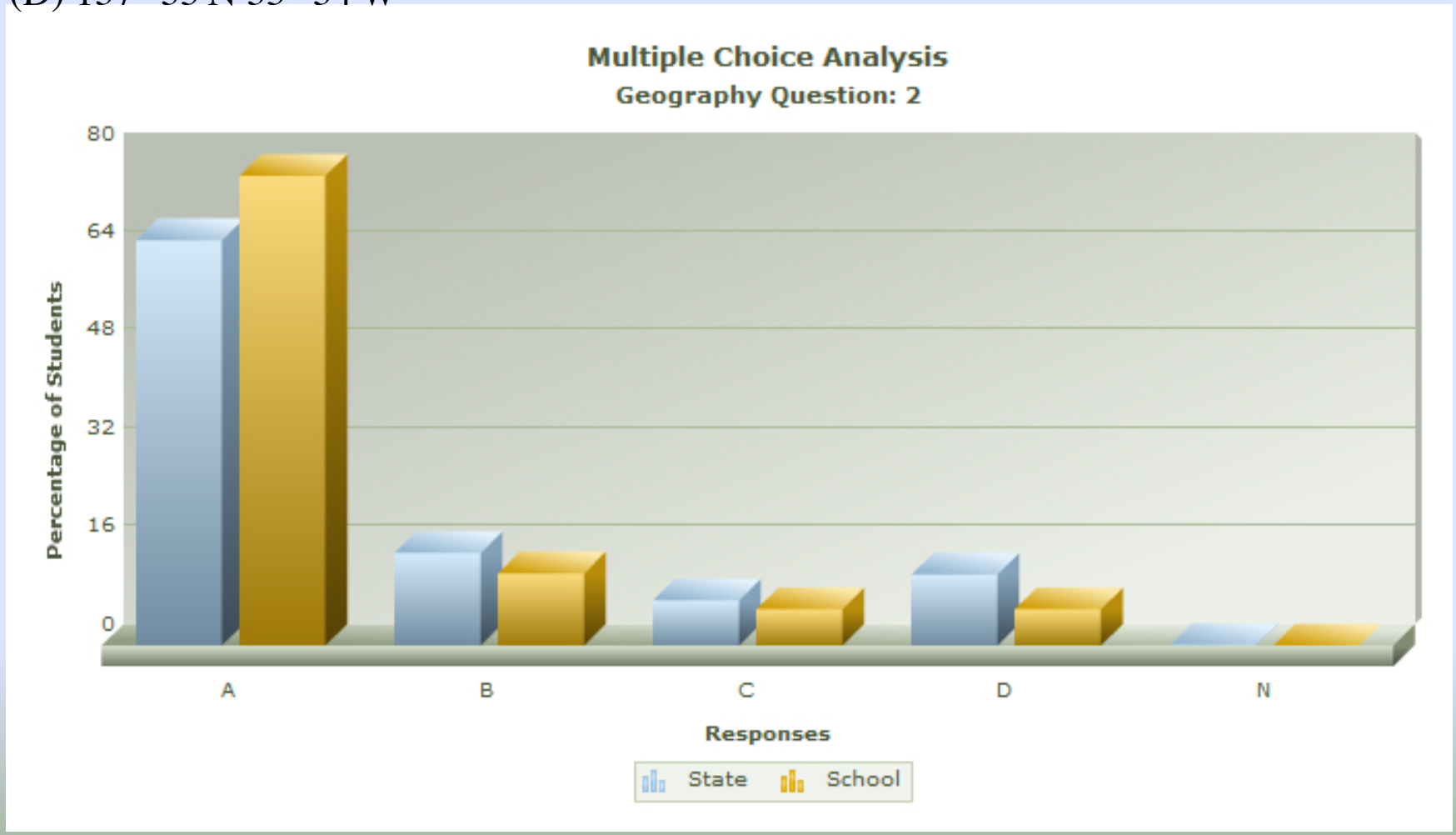
2 What is the latitude and longitude of the spot height at Mt Marsden?

(A) 35° 34'S 137° 35'E

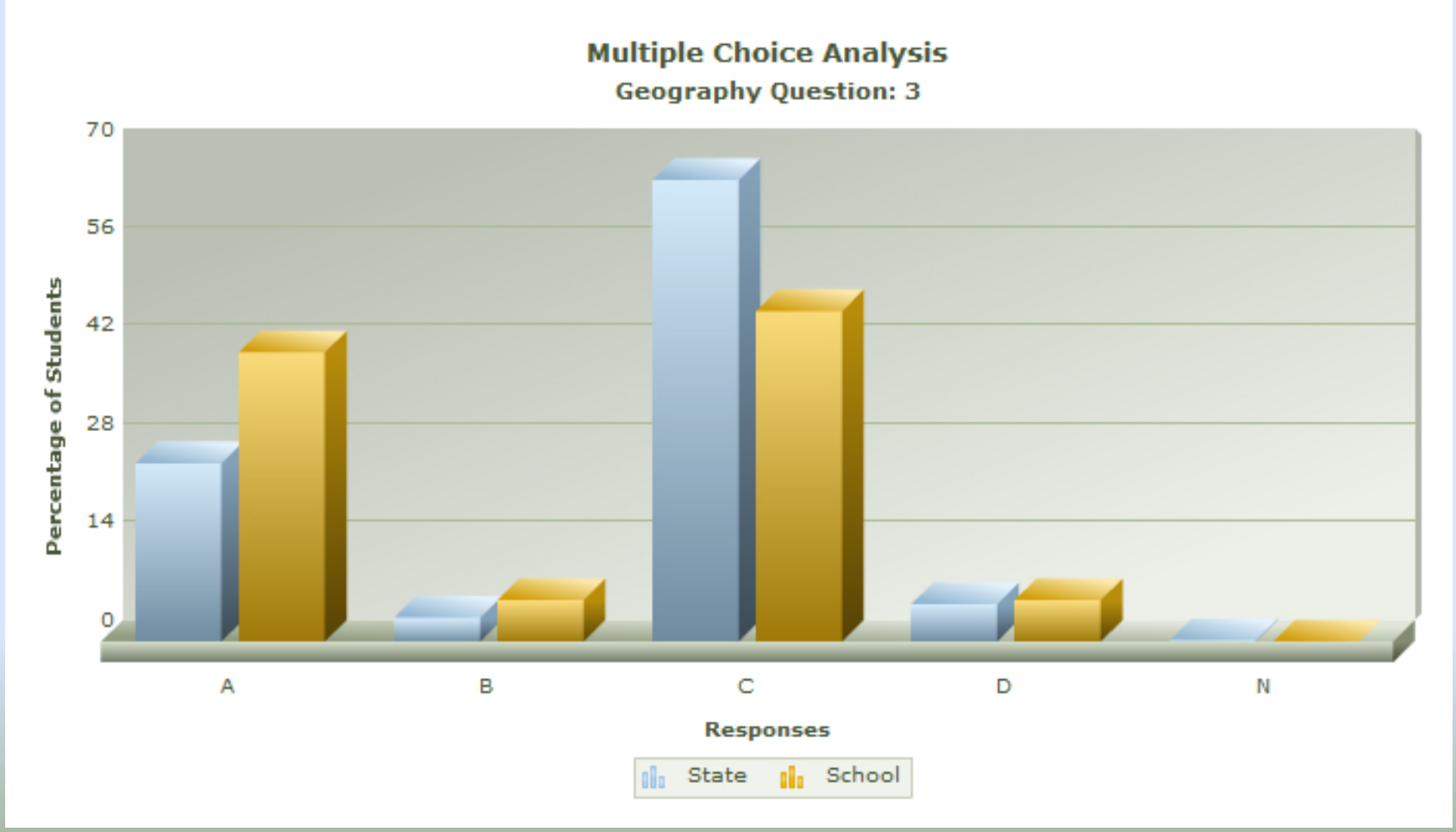
(B) 35° 34'N 137° 35'W

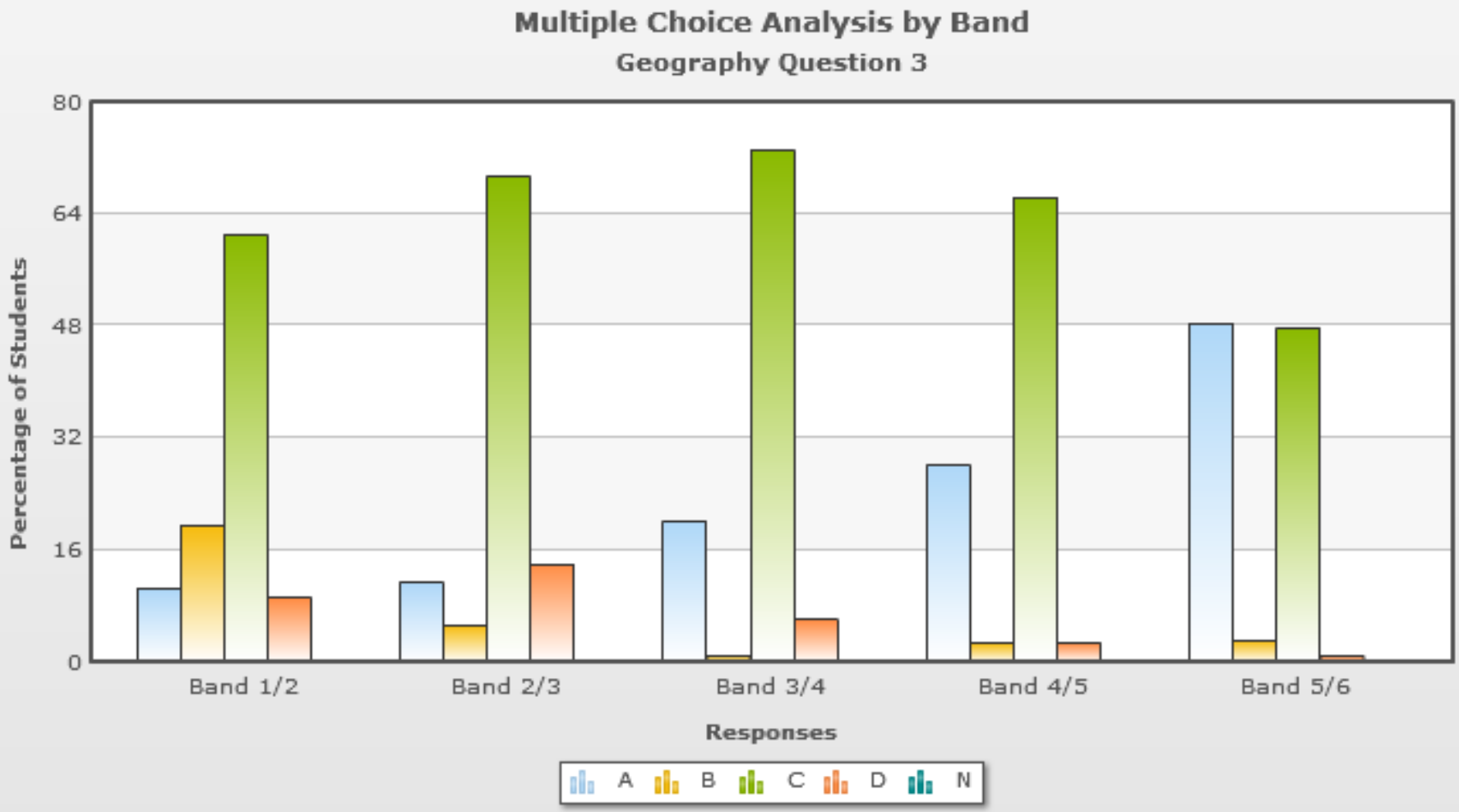
(C) 137° 35'S 35° 34'N

(D) 137° 35'N 35° 34'W



3 A tourist wants to fly to Kangaroo Head (AR 7664).
What is the grid reference of the landing ground close to Kangaroo Head (AR 7664)?
(A) 751639
(B) 752640
(C) 768639
(D) 769640




Multiple Choice Analysis by Band
Geography Question 3
Percentage of Students
80
64
48
32
16
0
Band 1/2
Band 2/3
Band 3/4
Band 4/5
Band 5/6
Responses
A
B
C
D
N

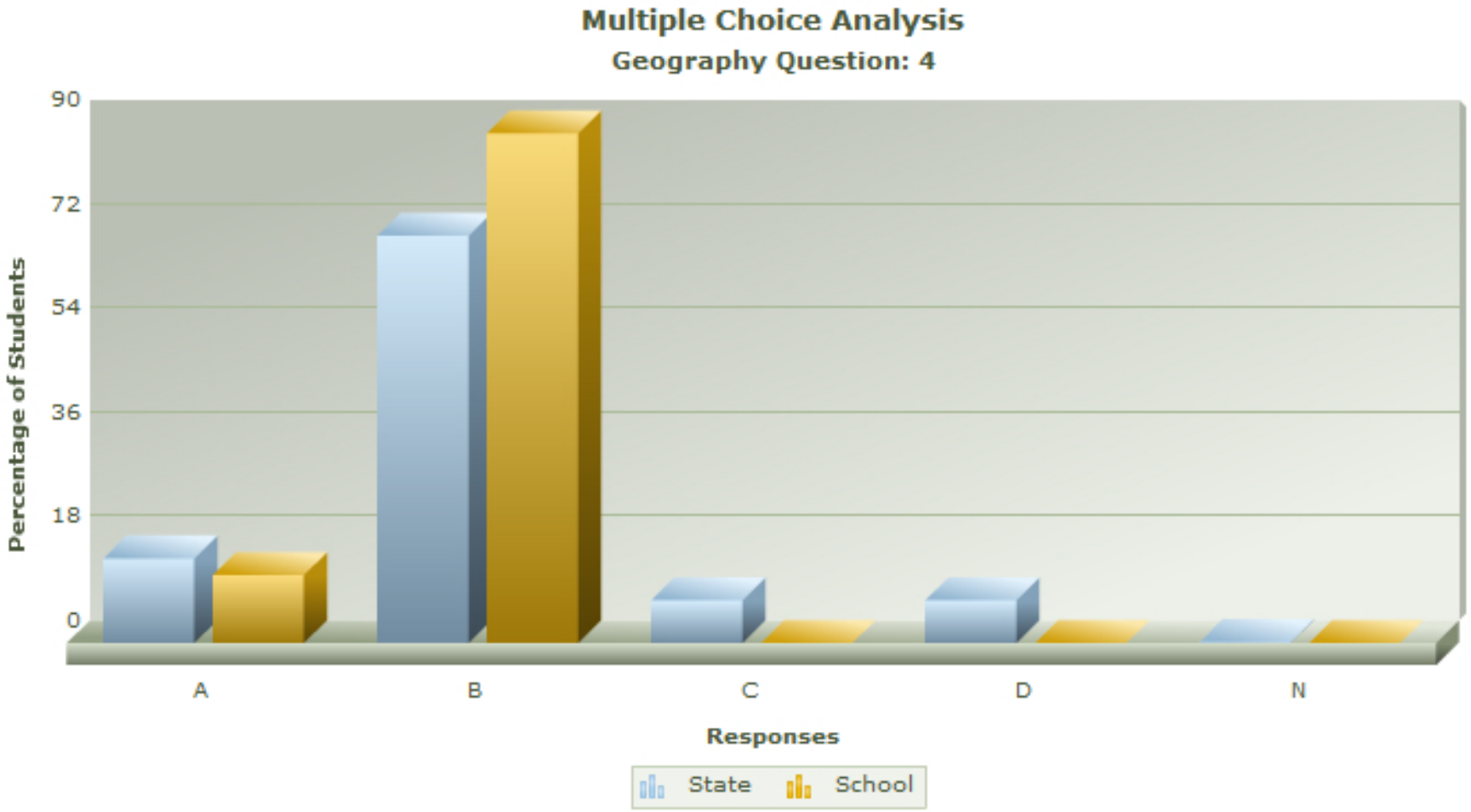
4 What is the bearing of the ruin in AR 7563 from Warrawee (AR 7162)?

(A) 73°

(B) 83°

(C) 253°

(D) 263°



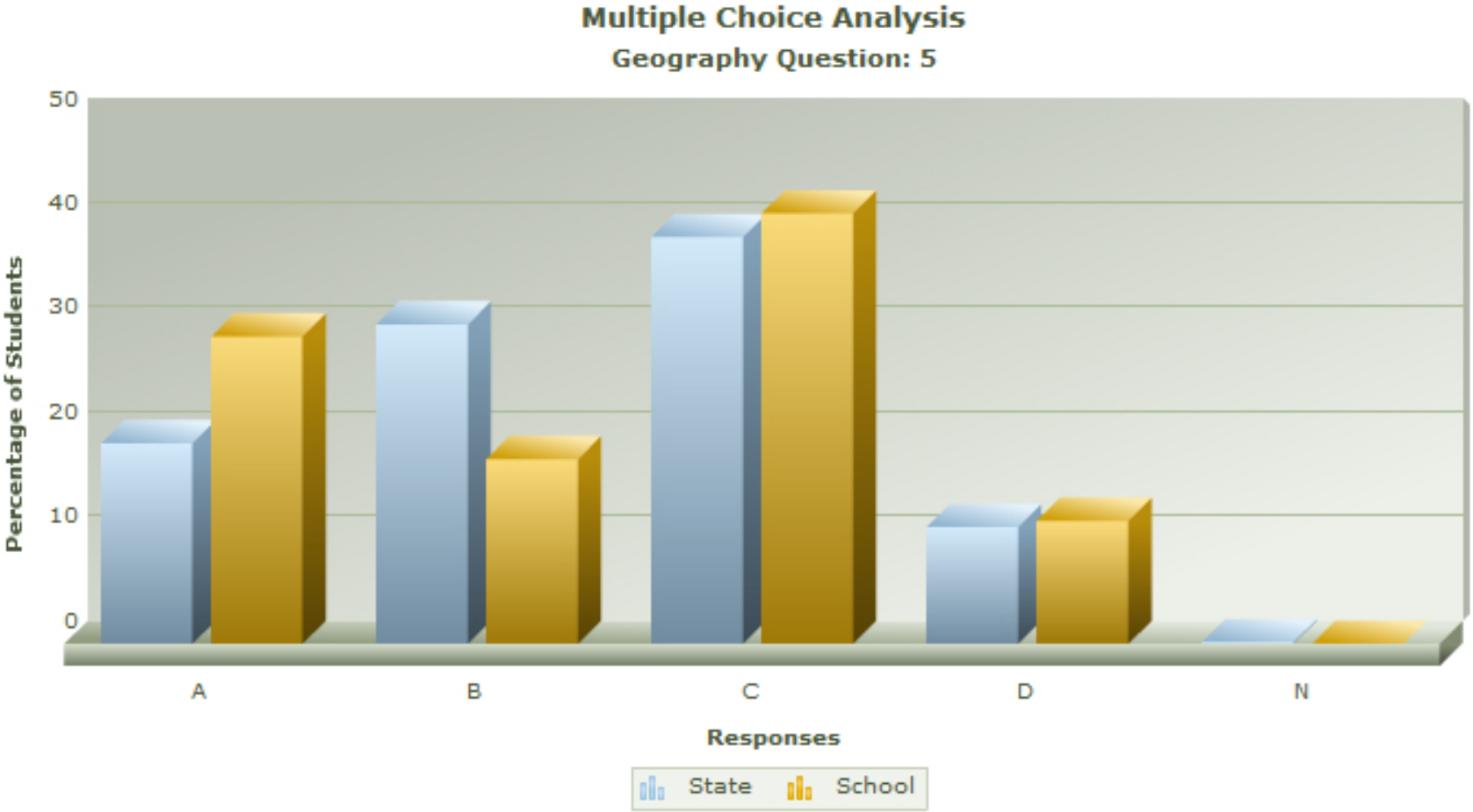
5 What is the approximate area of Murray Lagoon (non-perennial lake) at AR 7162?

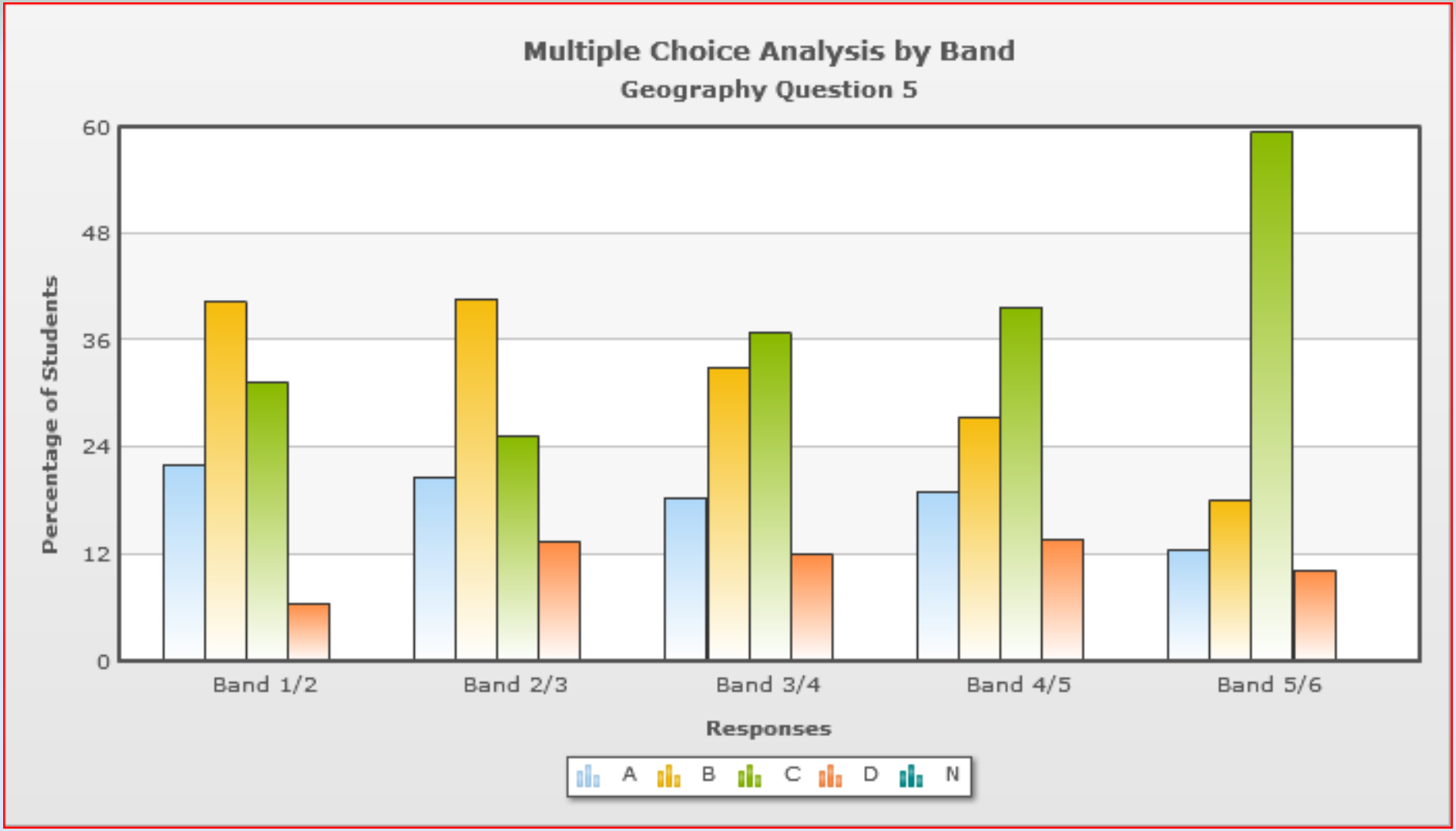
(A) 2 km^2

(B) 5 km^2

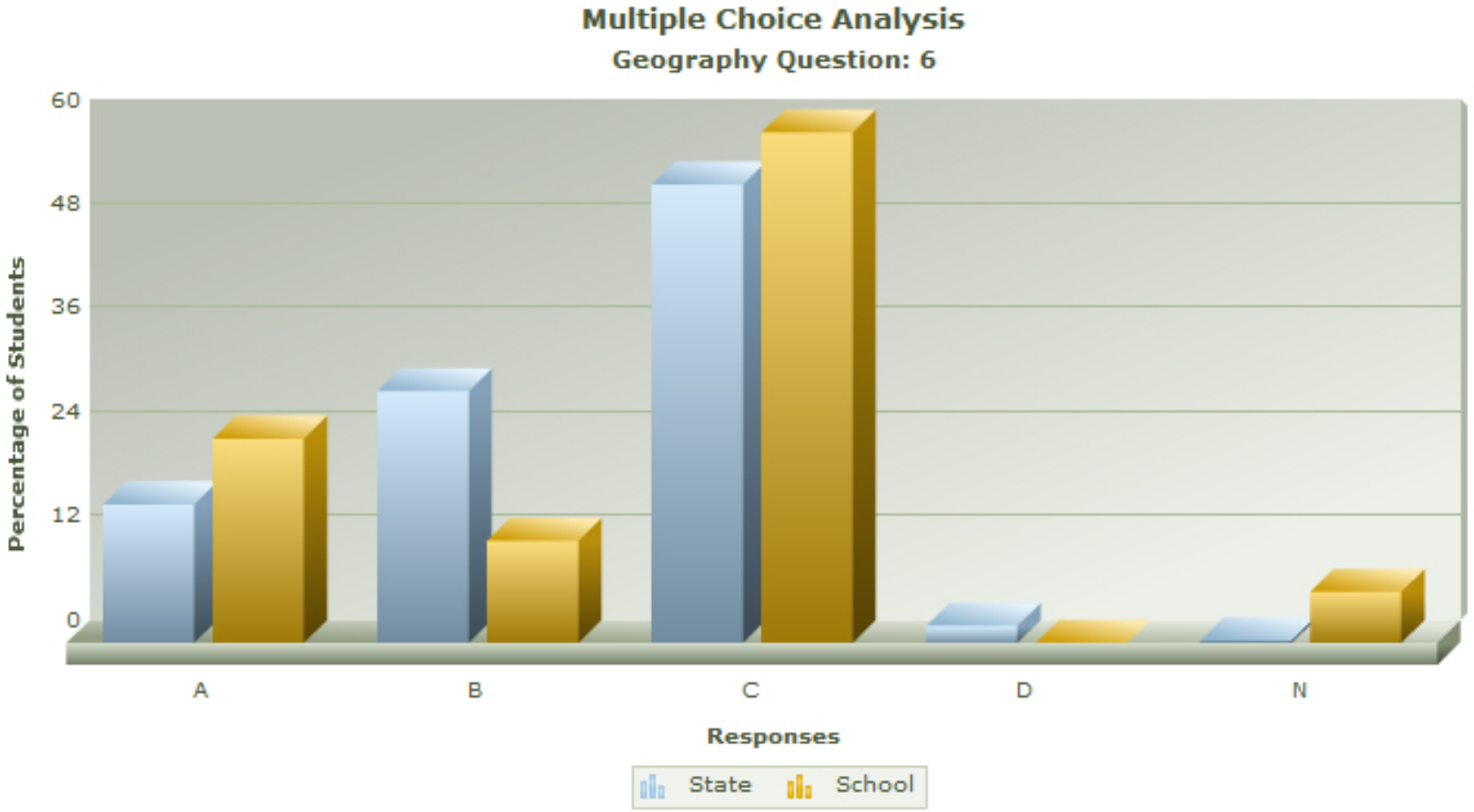
(C) 8 km^2

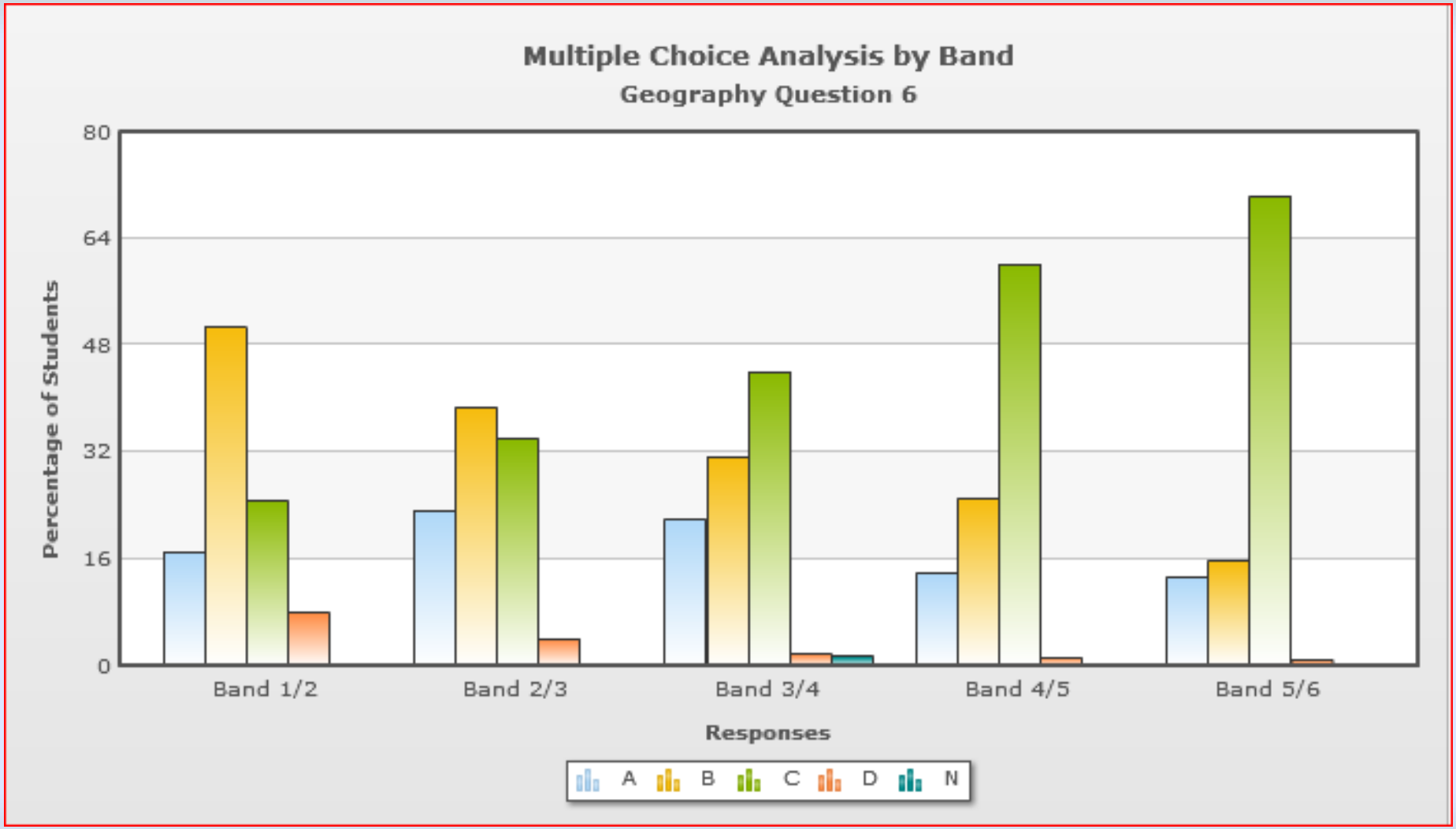
(D) 11 km^2




Multiple Choice Analysis by Band
Geography Question 5
Percentage of Students
60
48
36
24
12
0
Band 1/2
Band 2/3
Band 3/4
Band 4/5
Band 5/6
Responses
A
B
C
D
N

6 The graph shows visitors to Kangaroo Island.
How many people visited Kangaroo Island from Victoria during 2006–2008?
(A) 9 540
(B) 28 620
(C) 38 160
(D) 203 520

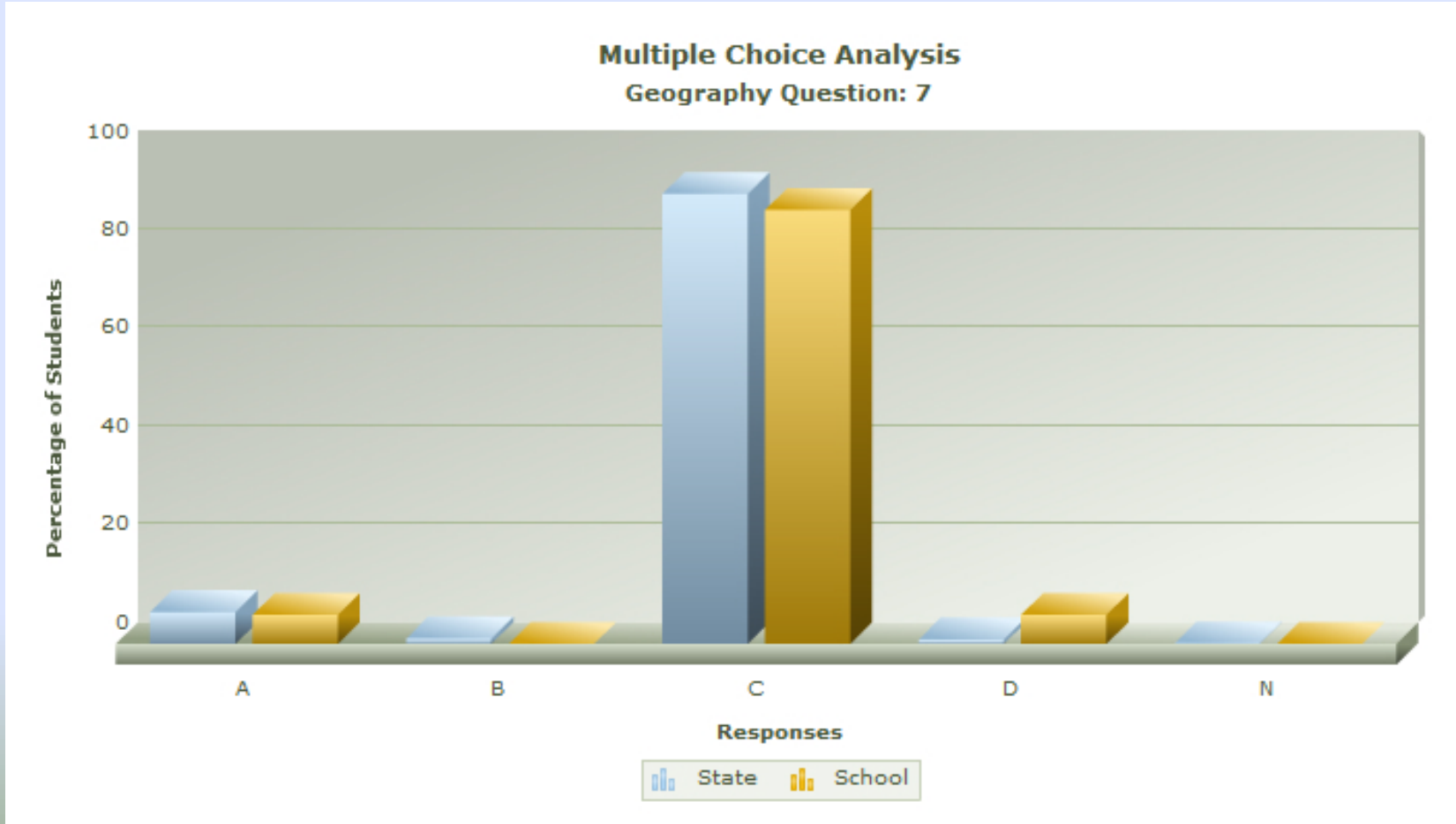



Multiple Choice Analysis by Band
Geography Question 6
Percentage of Students
80
64
48
32
16
0
Band 1/2
Band 2/3
Band 3/4
Band 4/5
Band 5/6
Responses
A
B
C
D
N

7 Refer to Source *G* on page 3 of the Stimulus Booklet and the stimulus above to answer Question 7

Which visitor group is likely to have the greatest impact on Kangaroo Island's environment?

(A) Business
(B) Education
(C) Holiday/leisure
(D) Friends and relatives



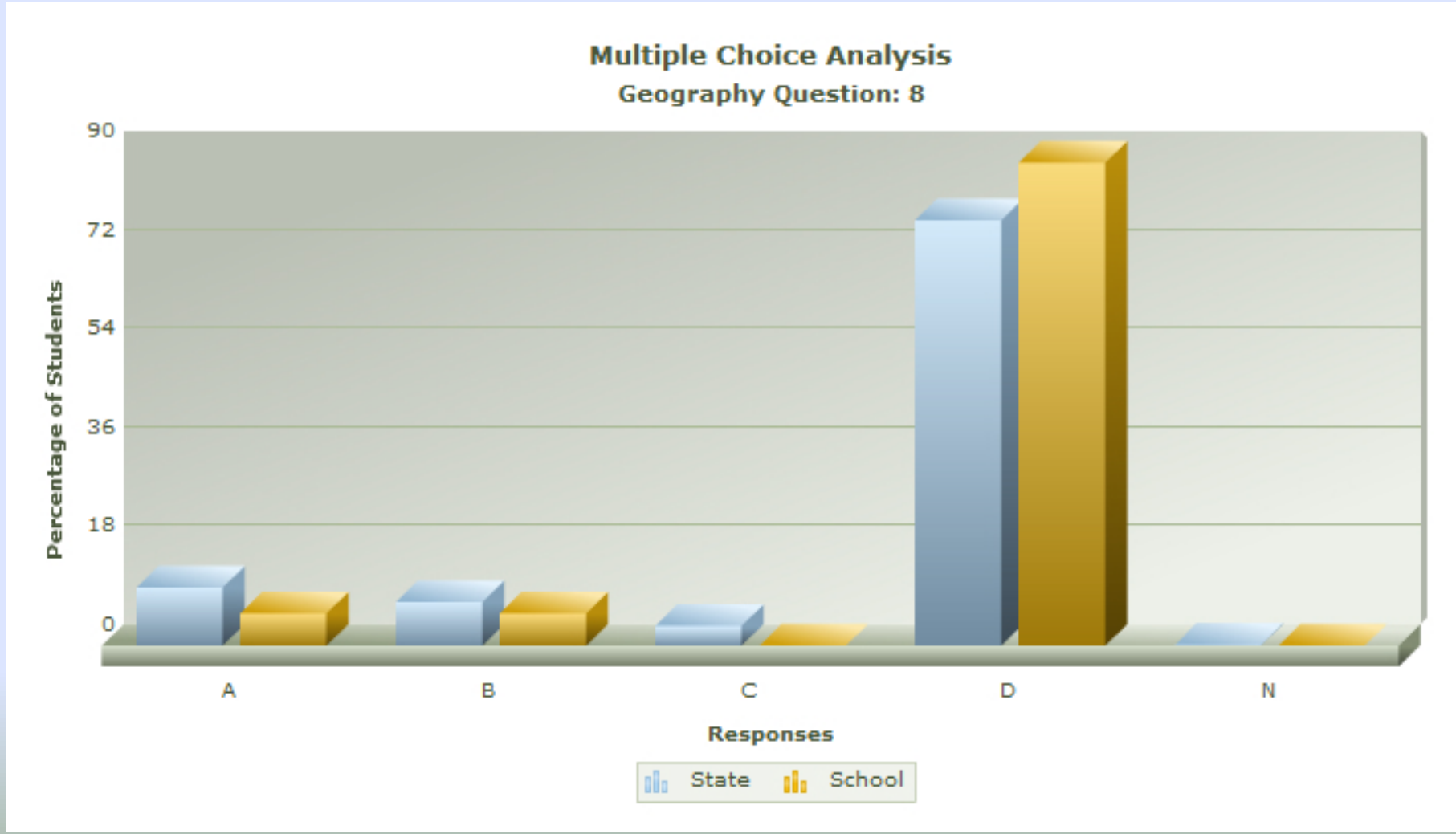
8 What percentage of visitors to Kangaroo Island were from Australia?

(A) 25%

(B) 47%

(C) 53%

(D) 72%



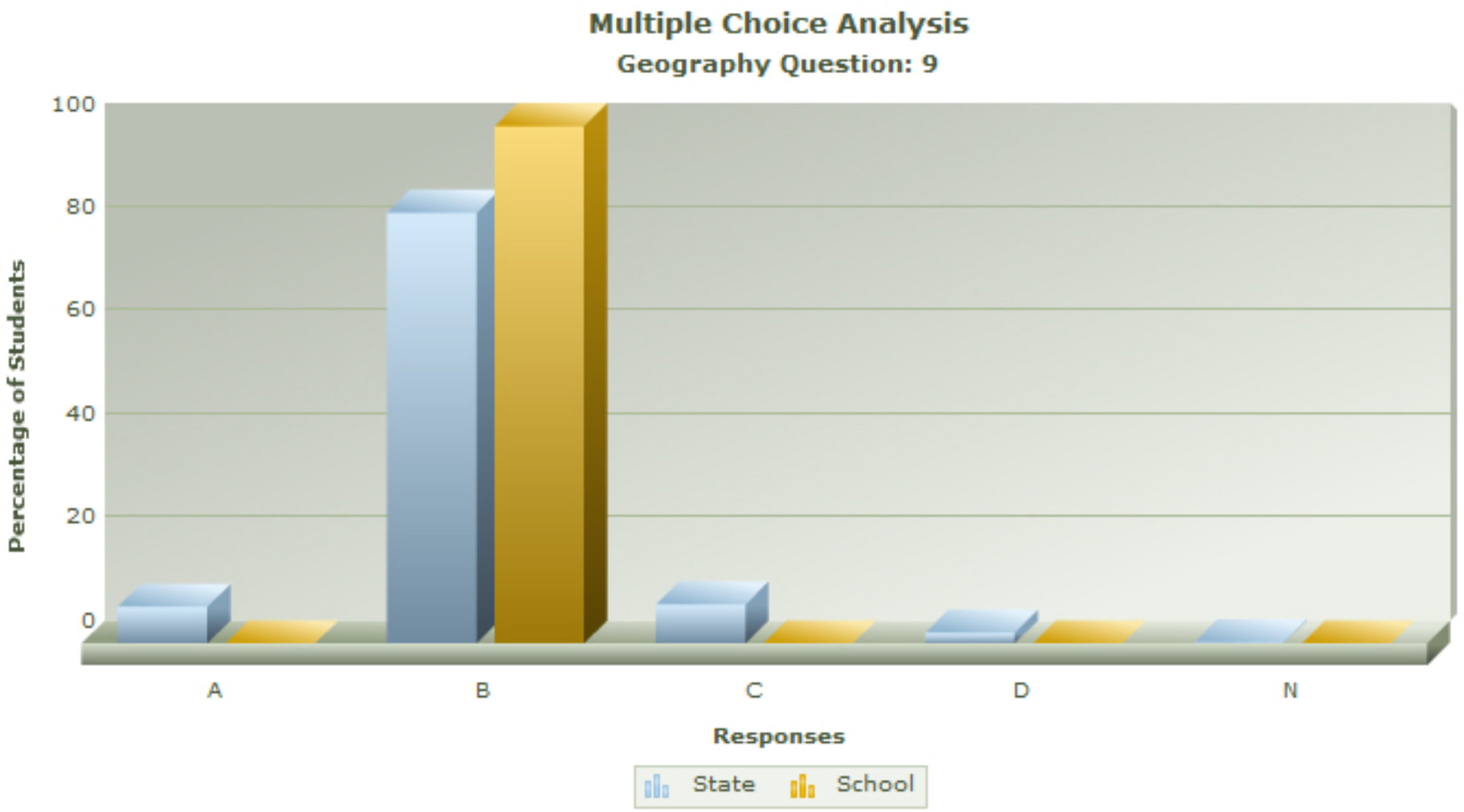
9 On average, how many nights did visitors stay on Kangaroo Island?

(A) One to two

(B) Three to four

(C) Five to six

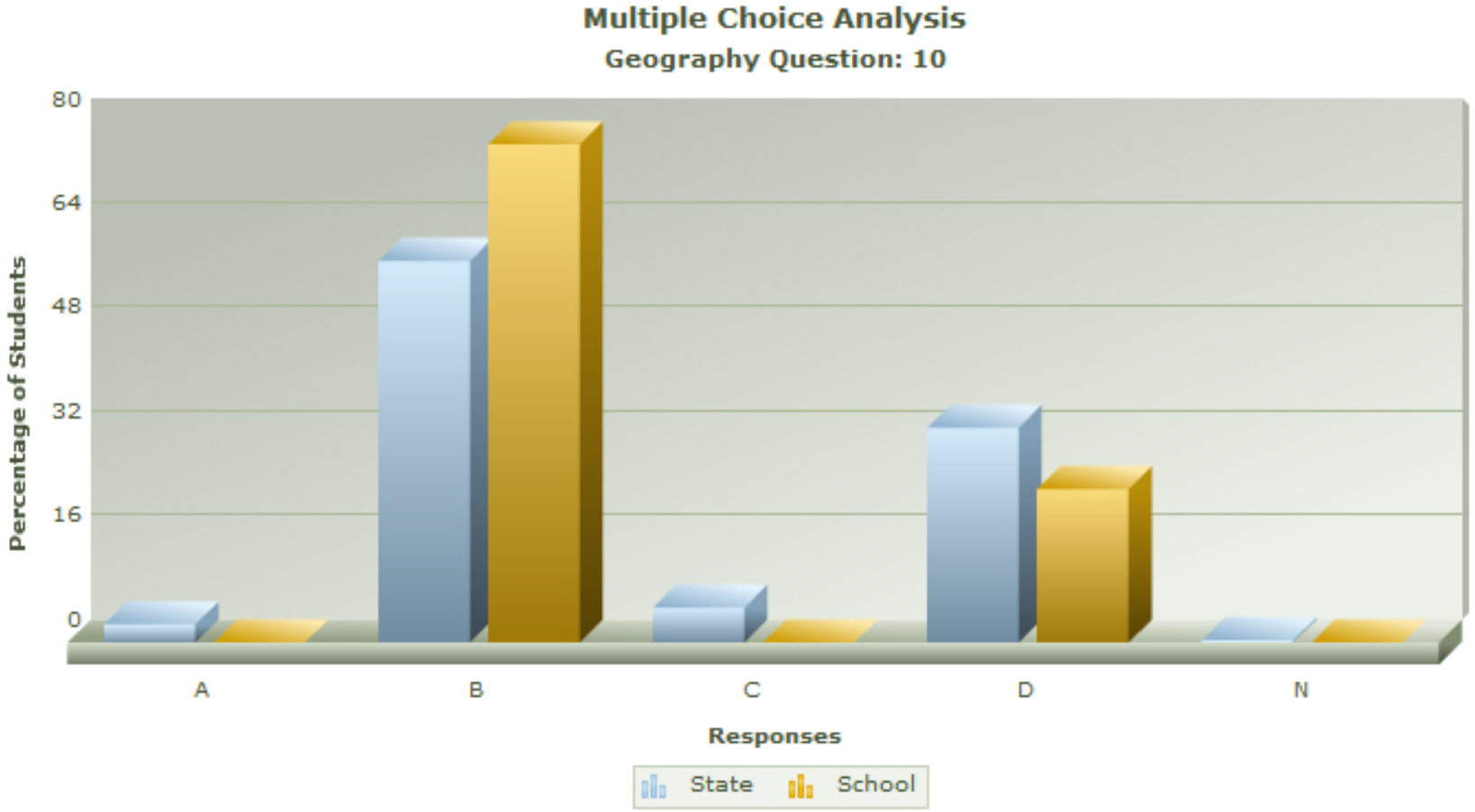
(D) Seven to eight

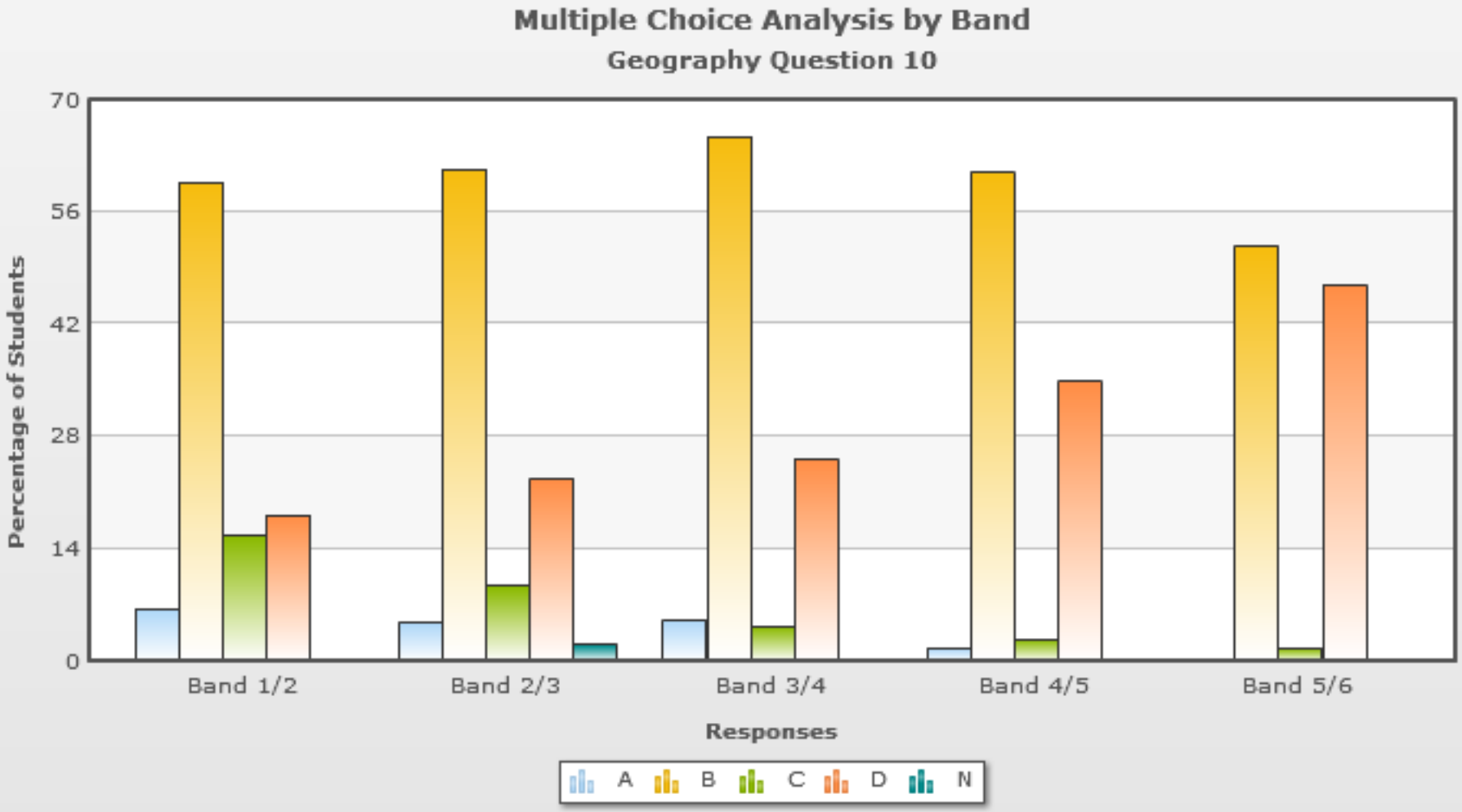


Refer to Source *D* on page 1 of the Stimulus Booklet to answer Questions 10–11.

10 What is the average annual precipitation for Bangkok?

(A) 120 mm
(B) 125 mm
(C) 1495 mm
(D) 1498 mm




Multiple Choice Analysis by Band
Geography Question 10
70
56
42
28
14
0
Percentage of Students
Band 1/2
Band 2/3
Band 3/4
Band 4/5
Band 5/6
Responses
A
B
C
D
N

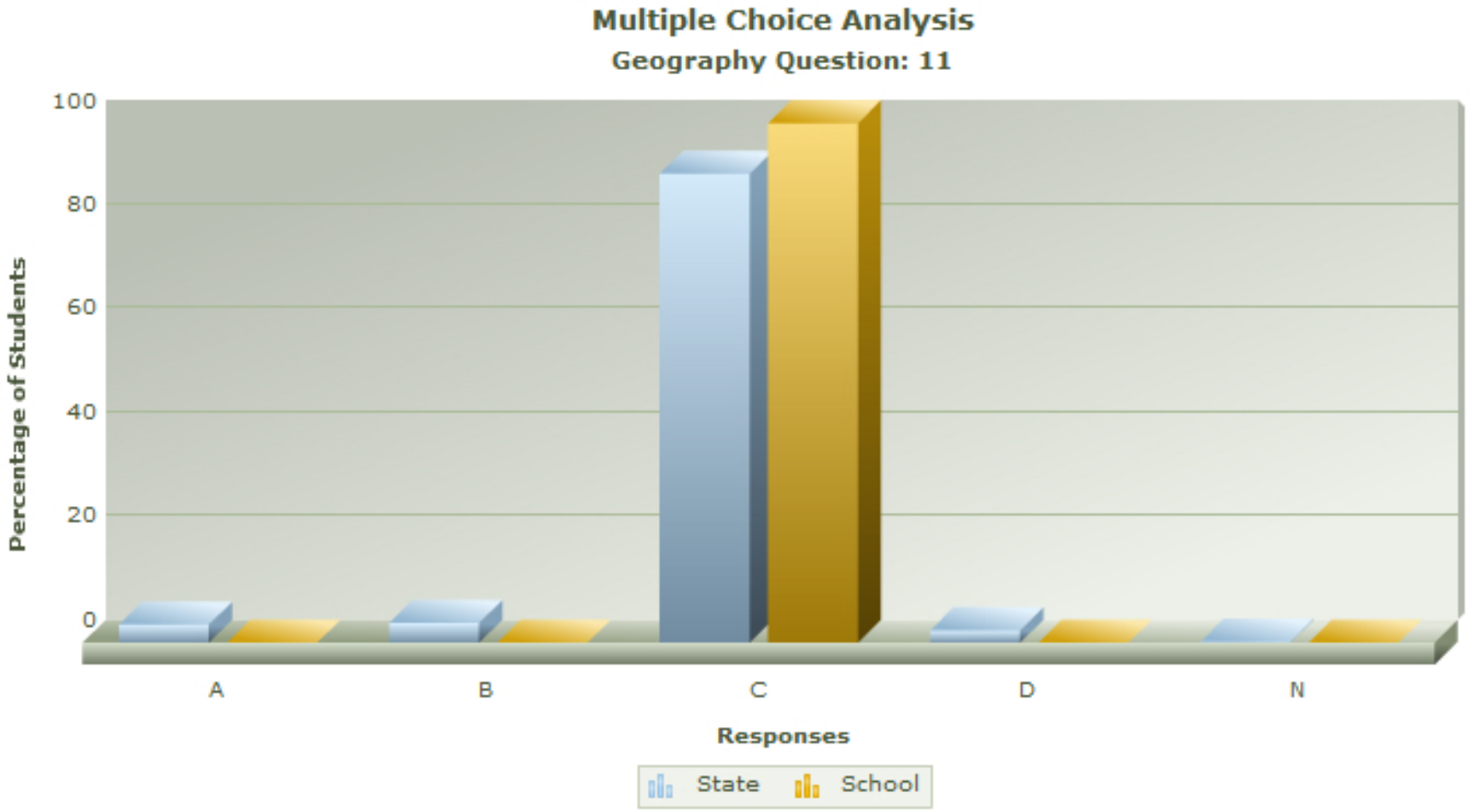
11 What is the temperature range for Bangkok?

(A) 1.5°C

(B) 3°C

(C) 4.5°C

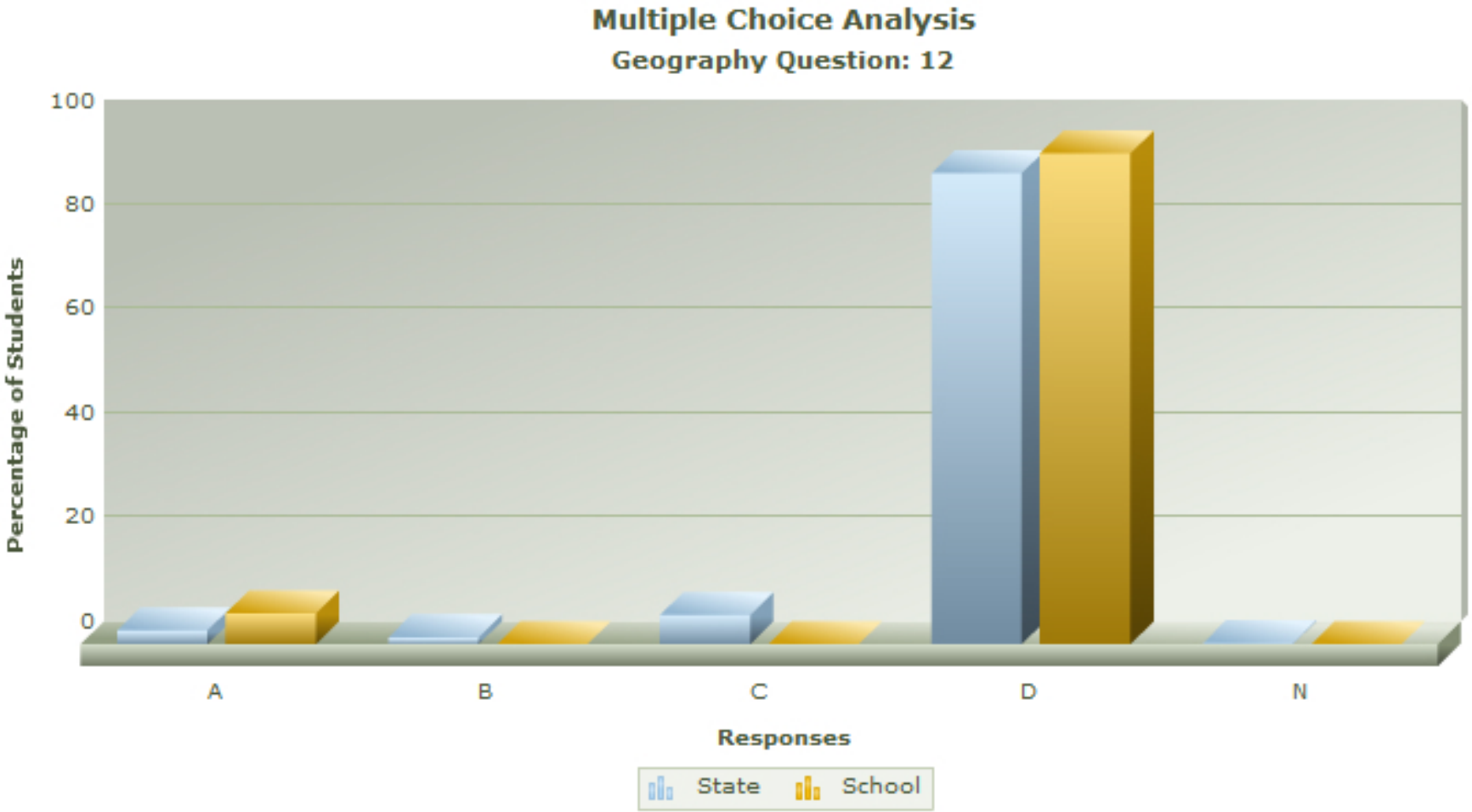
(D) 6°C



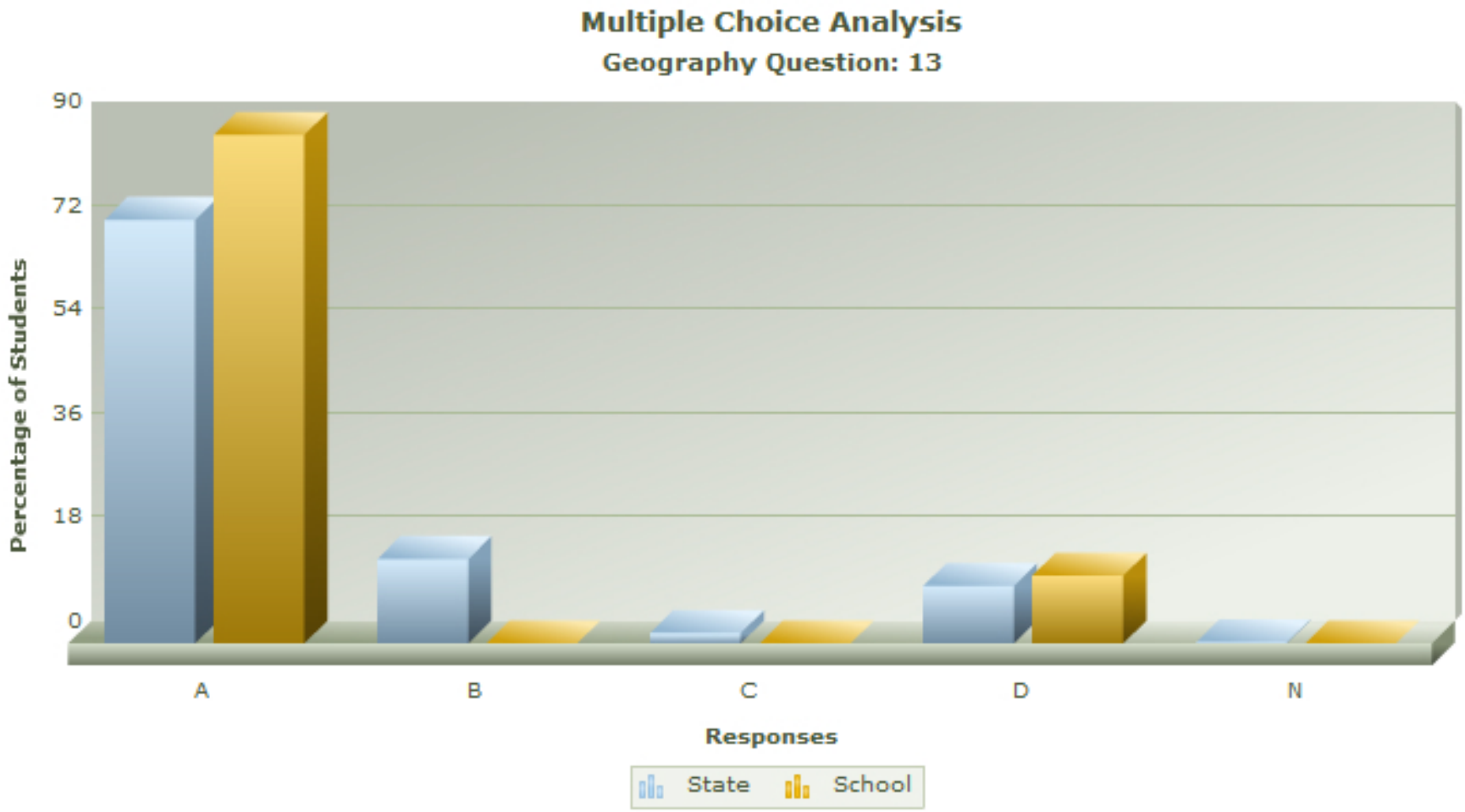
Refer to Source *E* on page 1 of the Stimulus Booklet to answer Questions 12–13.

12 Which of the following is a major problem in Bangkok?

(A) Increasing rice yields
(B) Street stalls and sellers
(C) Uneven employment sectors
(D) Canal pollution and crowding



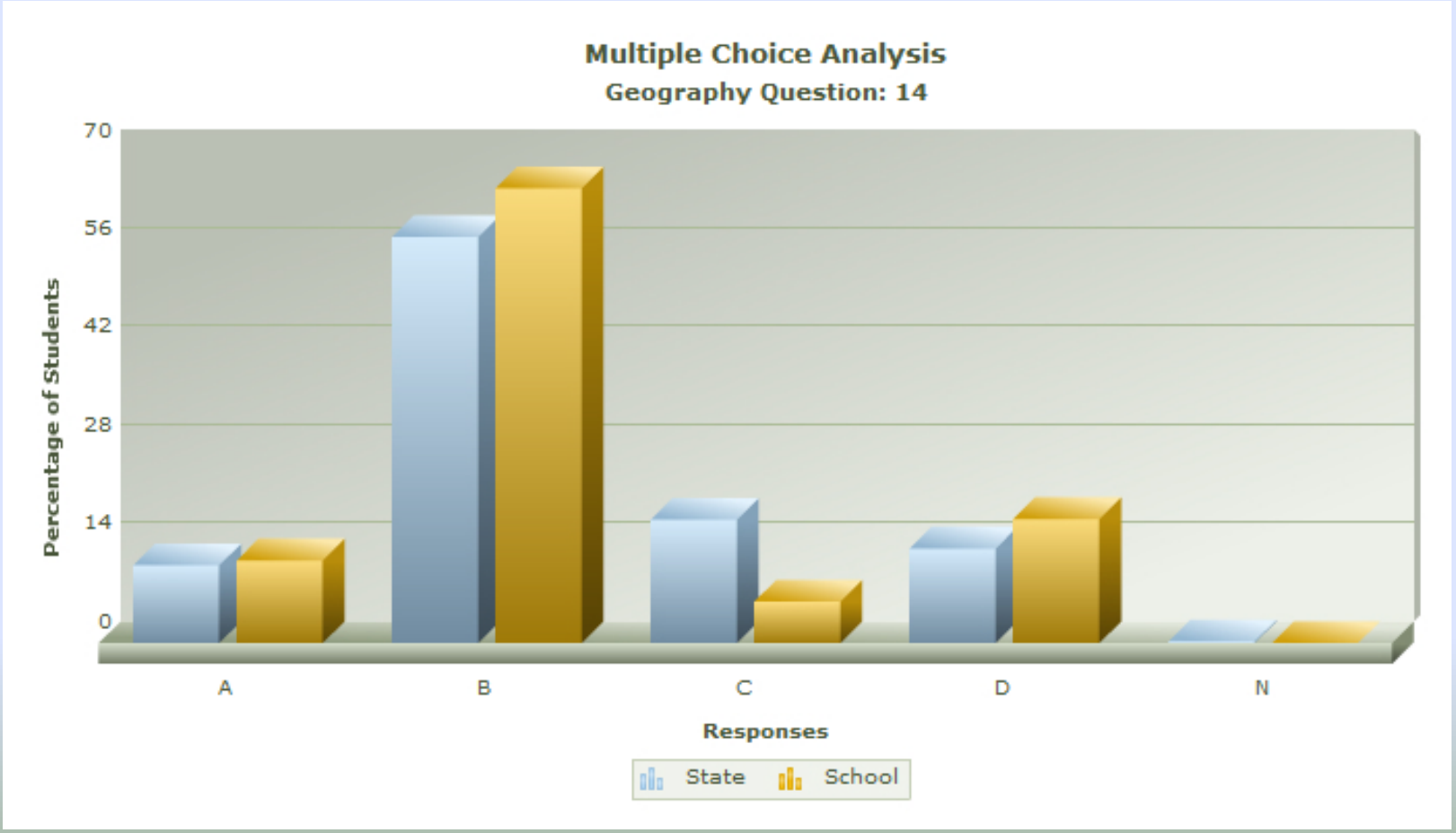
13 What makes Bangkok an example of a world city?
(A) It is a regional hub for trade and tourism.
(B) It has more than eight million people.
(C) It is the capital city of Thailand.
(D) It is a major rice exporter.

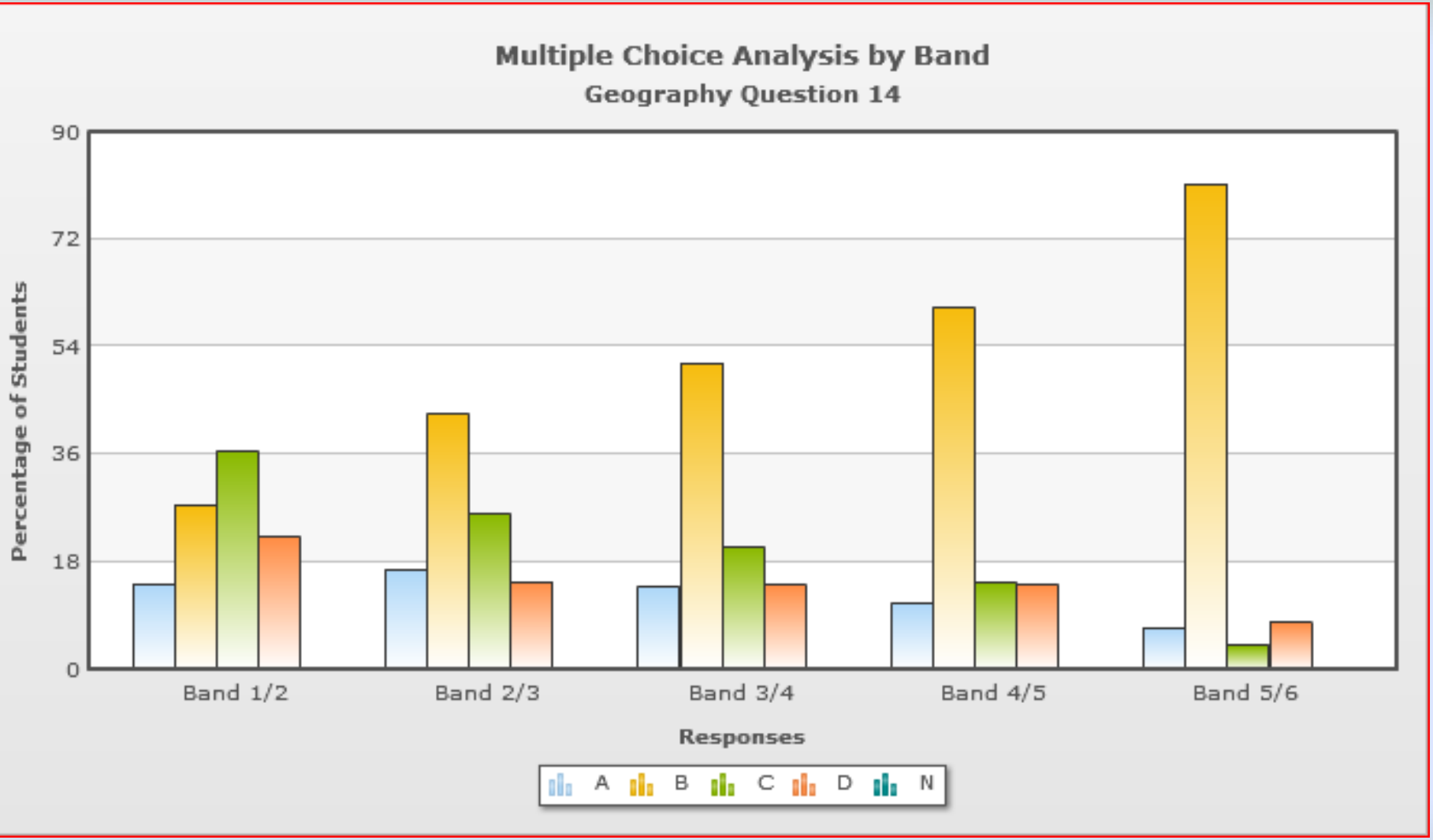


Refer to Source *I* on page 4 of the Stimulus Booklet to answer Questions 14–15.

14 Approximately how many minutes will it take to travel from N8 Ferry dock (B6) non-stop to N11 Ferry dock (B4) on the local ferry line, travelling at a speed of 8 km/h?

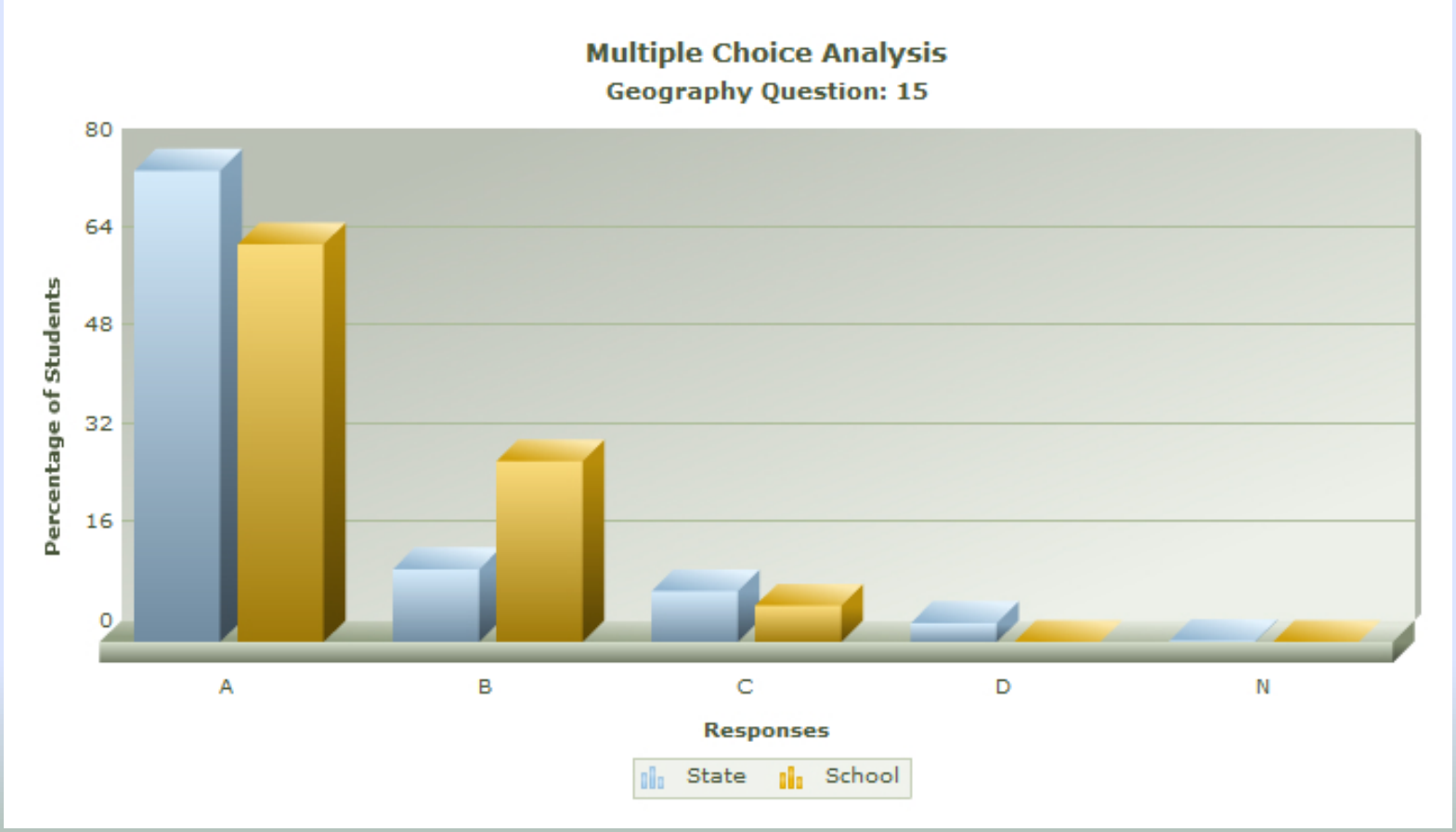
(A) 7
(B) 11
(C) 15
(D) 19




Multiple Choice Analysis by Band
Geography Question 14
90
72
54
36
18
0
Percentage of Students
Band 1/2
Band 2/3
Band 3/4
Band 4/5
Band 5/6
Responses
A
B
C
D
N

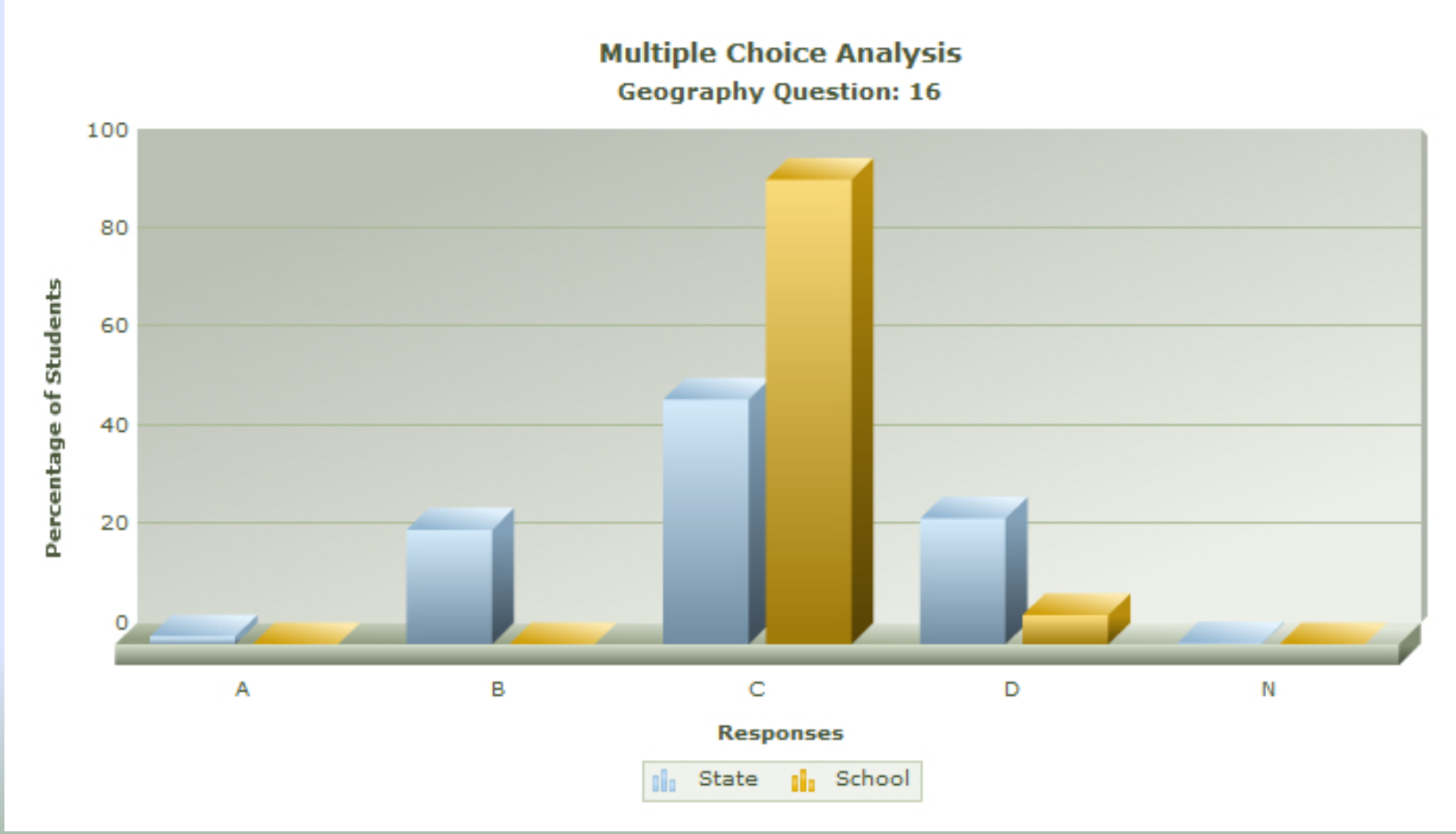
15 In what direction was the photographer facing when the photograph in Source *A* was taken?

(A) East
(B) West
(C) North
(D) South



16 Which of the following sources from the Stimulus Booklet has the smallest scale?

(A) *A*
(B) *C*
(C) *F*
(D) *I*



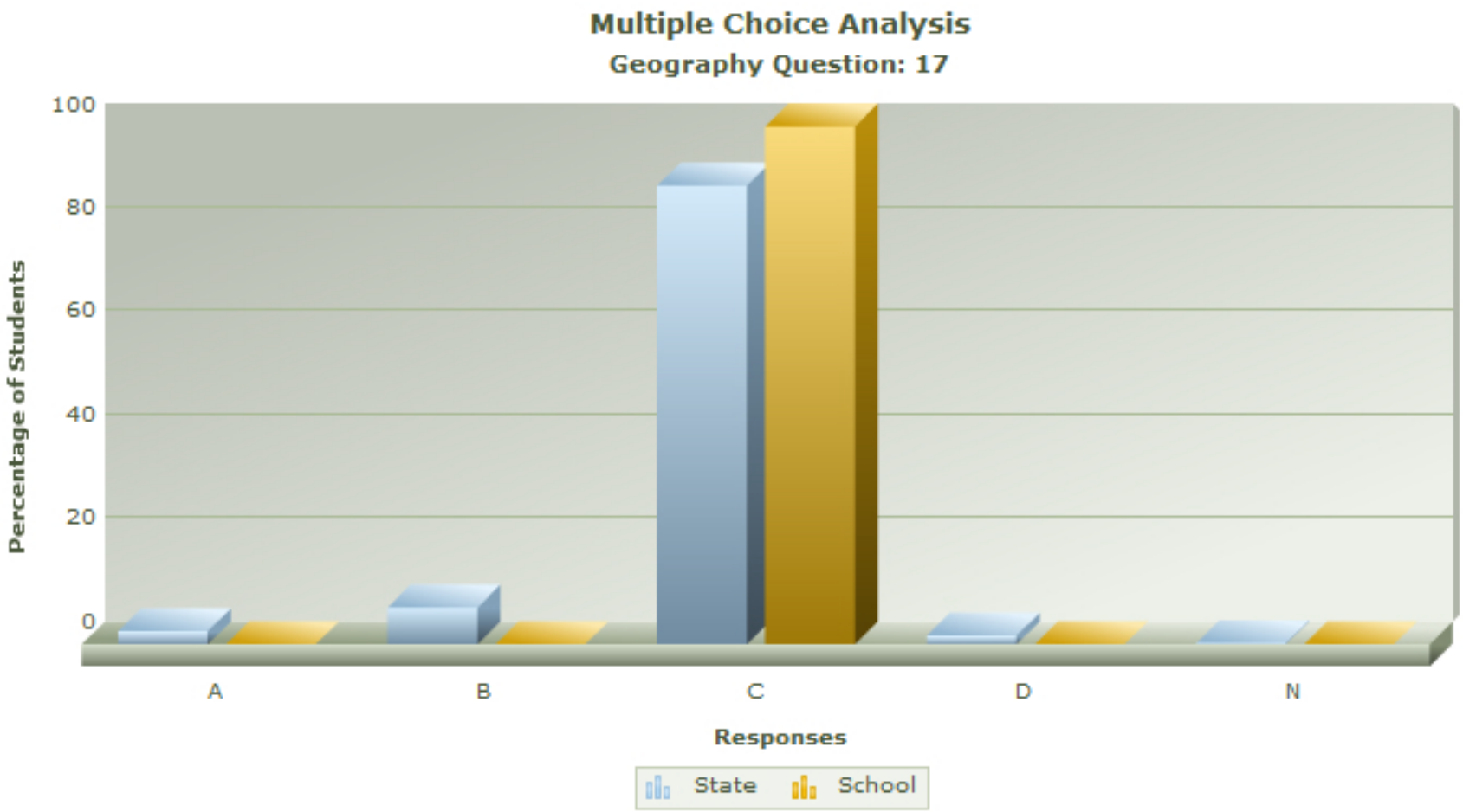
17 Which of the following best describes the term *exurbanisation*?

(A) The creation of walled estates

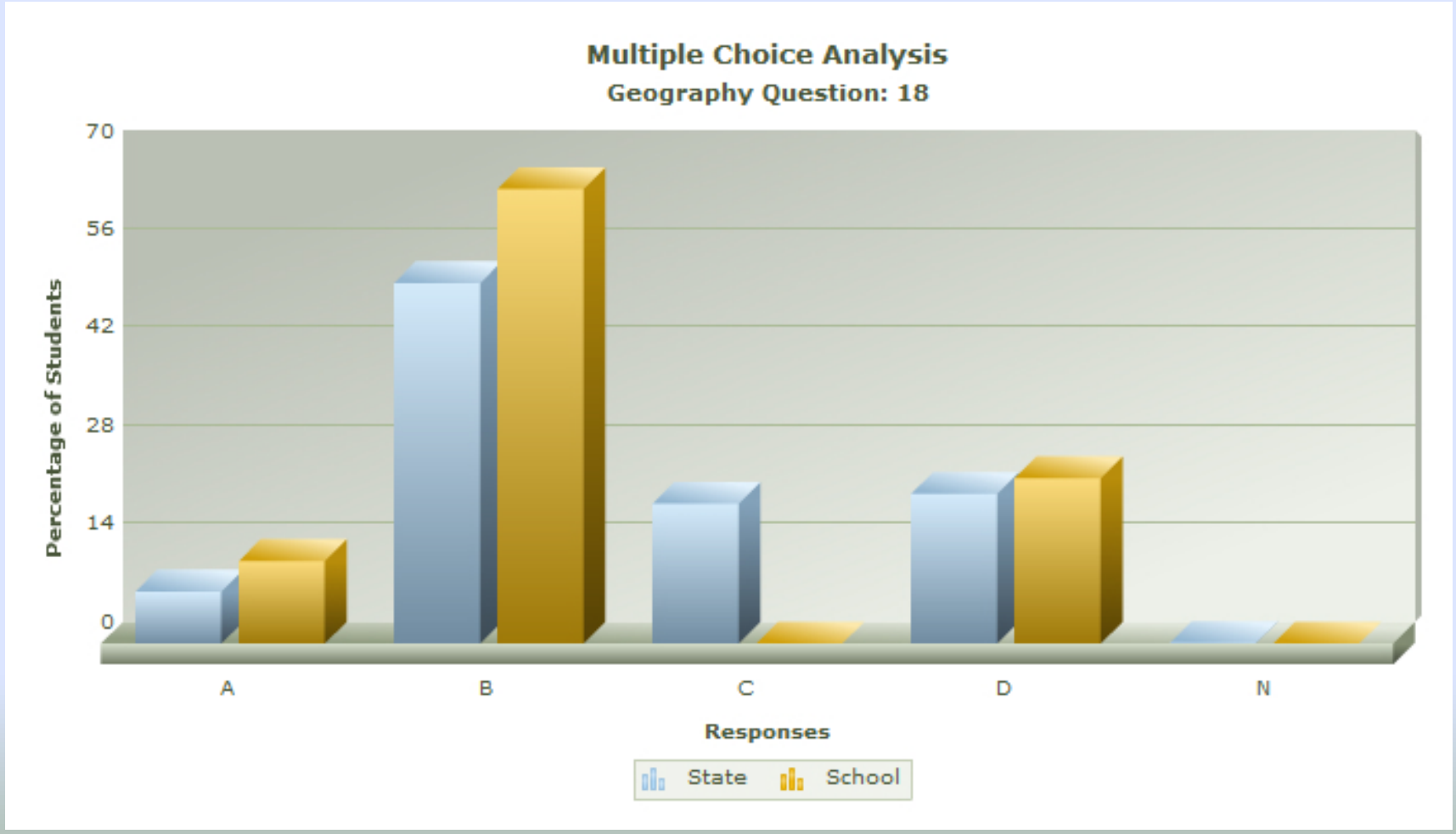
(B) A decline in the total population

(C) Affluent people moving to rural areas

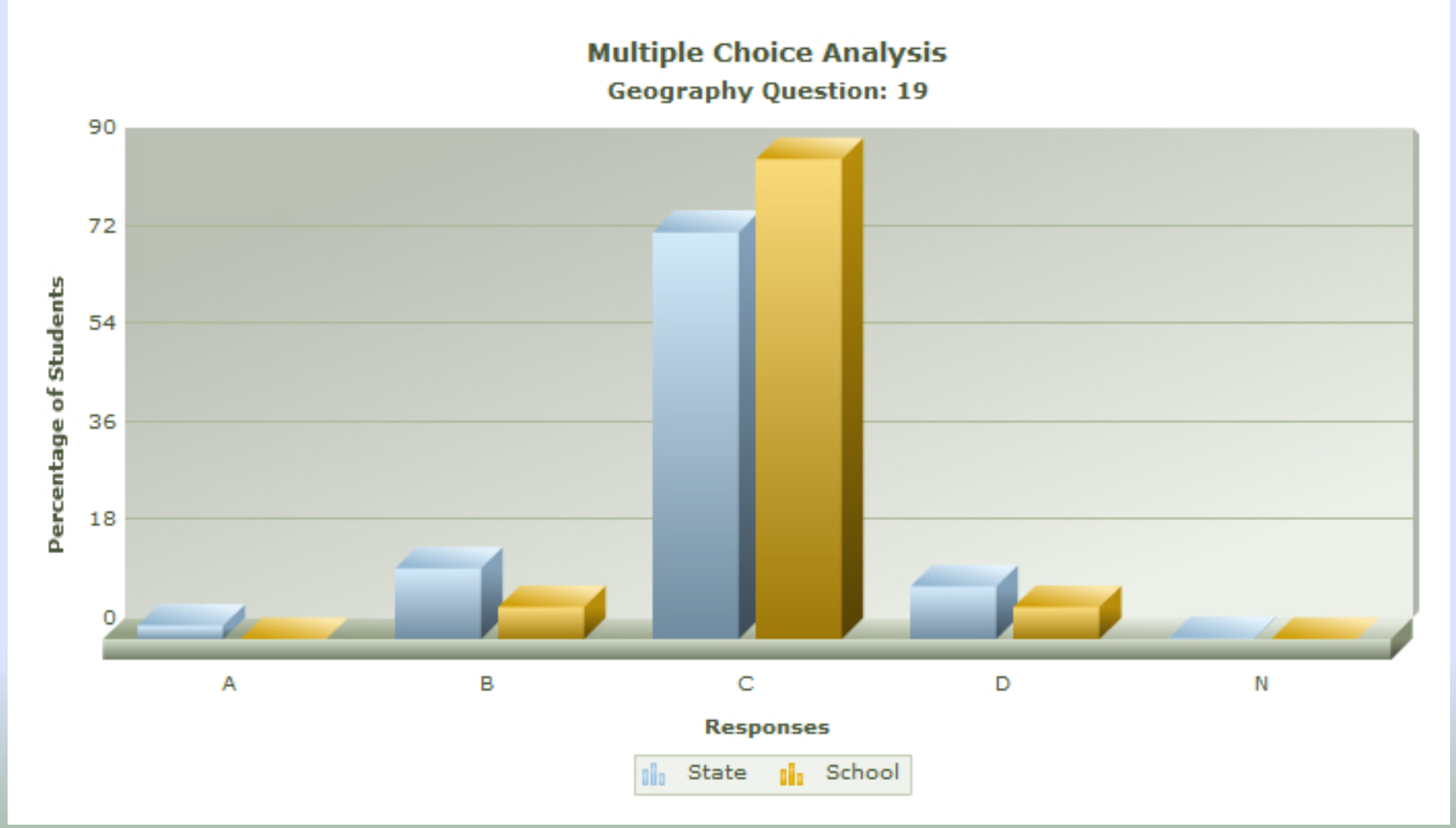
(D) A clustering of people with a common culture



18 What was the approximate amount of water used in 2000?
(A) 450 ML
(B) 475 ML
(C) 500 ML
(D) 525 ML

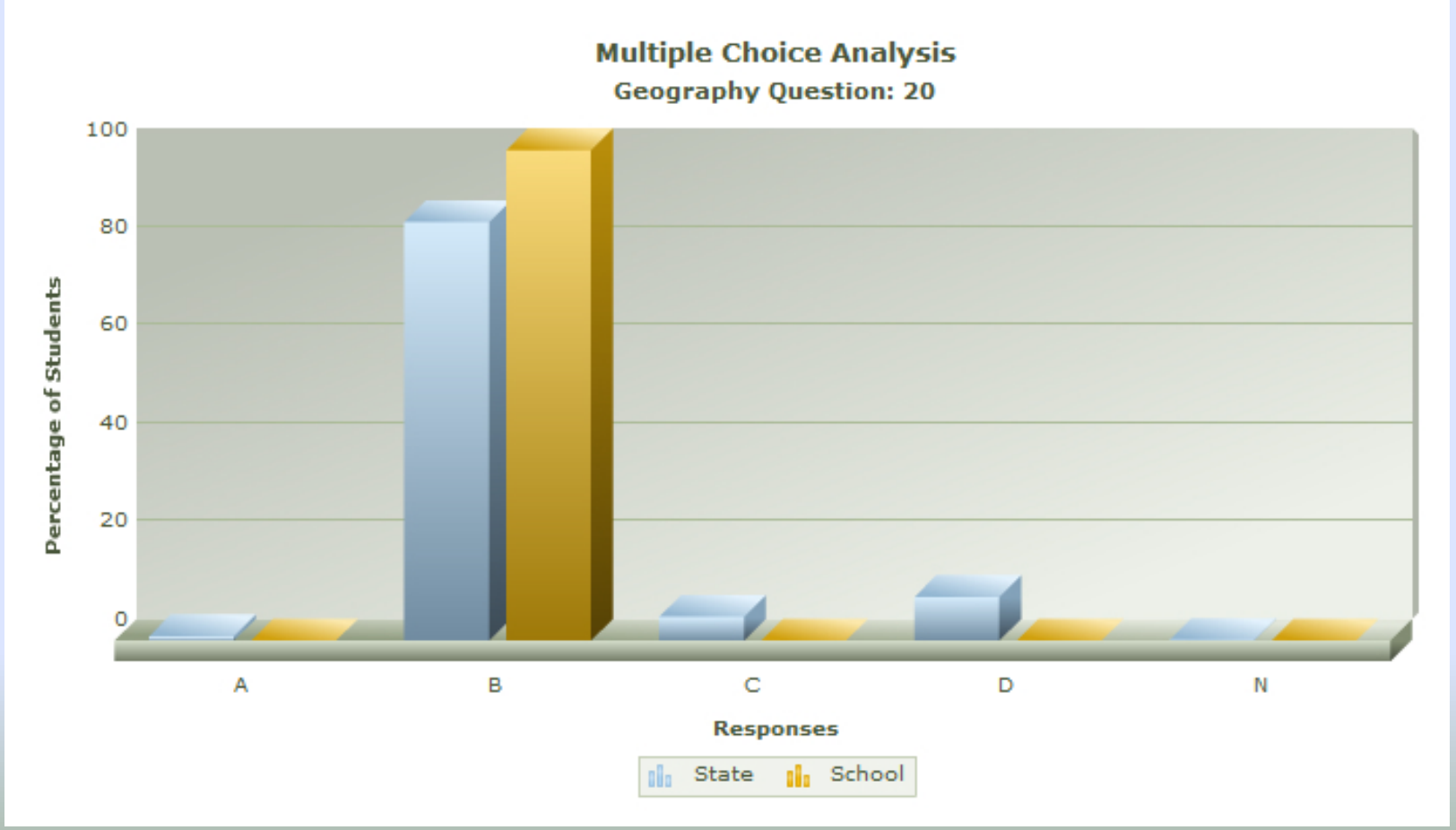


19 In which year is demand projected to reach the estimated reliable yield?
(A) 2012
(B) 2013
(C) 2014
(D) 2015



20 In 2030, by how much will the demand for water be likely to exceed the reliable yield?

(A) 0 ML
(B) 150 ML
(C) 650 ML
(D) 800 ML



Question 21 (5 marks)

Refer to pages 2 and 3 of the Stimulus Booklet to answer Question 21

(a) Construct a cross-section from the spot height at Mt Marsden (GR 733659) to the mine (GR 737637), and label two features. **3**

(b) Calculate the vertical exaggeration of the cross-section. **1**

.....

.....

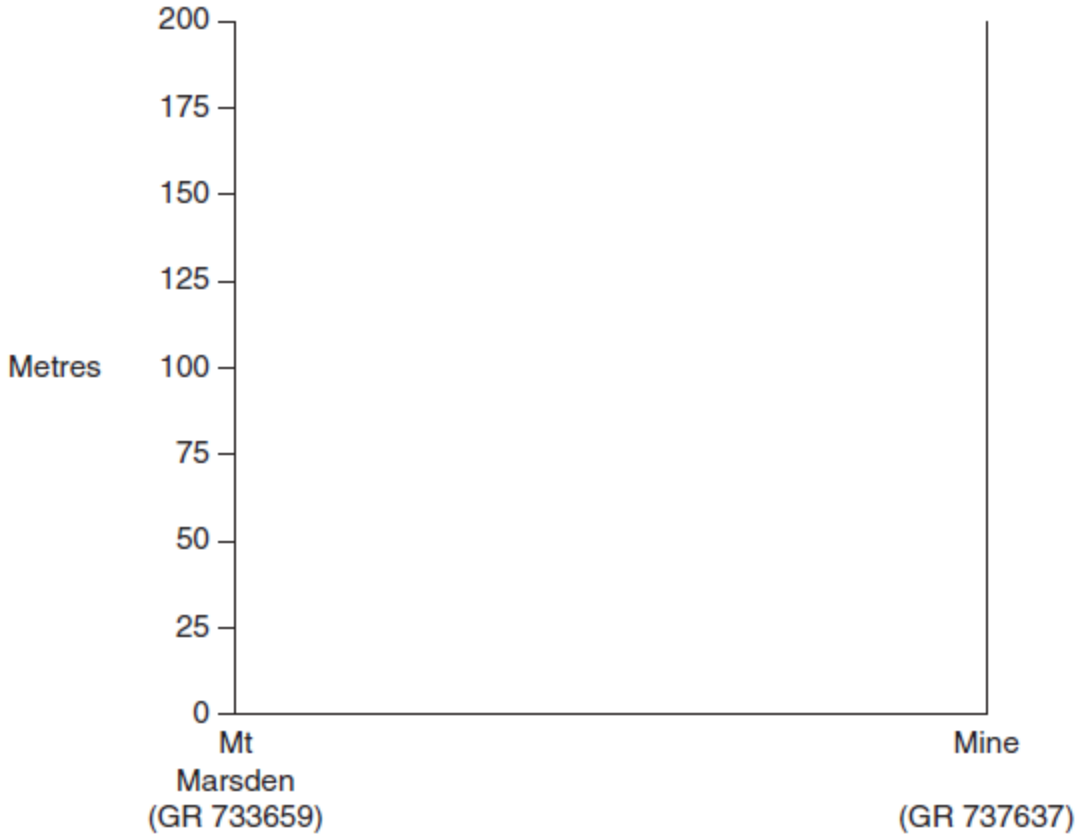
(c) Calculate the gradient from the spot height at Mt Marsden to the lighthouse at GR 737661. **1**

.....

.....

Question 21 (5 marks)

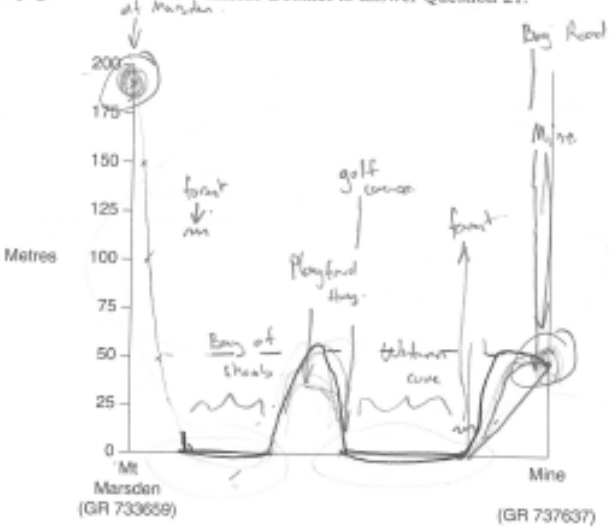
Refer to pages 2 and 3 of the Stimulus Booklet to answer Question 21.



4,385

Question 21 (5 marks)

Refer to pages 2 and 3 of the Stimulus Booklet to answer Question 21.



(a) Construct a cross-section from the spot height at Mt Marsden (GR 733659) to the mine (GR 737637), and label two features. **3**

(b) Calculate the vertical exaggeration of the cross-section. **1**

$VE = \frac{HS}{VS} = \frac{3500}{25} = 100$

(c) Calculate the gradient from the spot height at Mt Marsden to the lighthouse at GR 737661. **1**

Gradient = $\frac{\text{Rise}}{\text{Run}} = \frac{185-50}{4000} = \frac{135}{4000} = \frac{1}{30}$ to $\frac{1}{40}$

$\frac{135}{3500}$ $\frac{135}{3750}$ $\frac{135}{4000}$

25.92 27.77 29.62

$\frac{1}{29.6}$ exact. or $\frac{1}{40}$ it rounds up.

$\frac{1}{30}$ $\frac{1}{26}$

27.33

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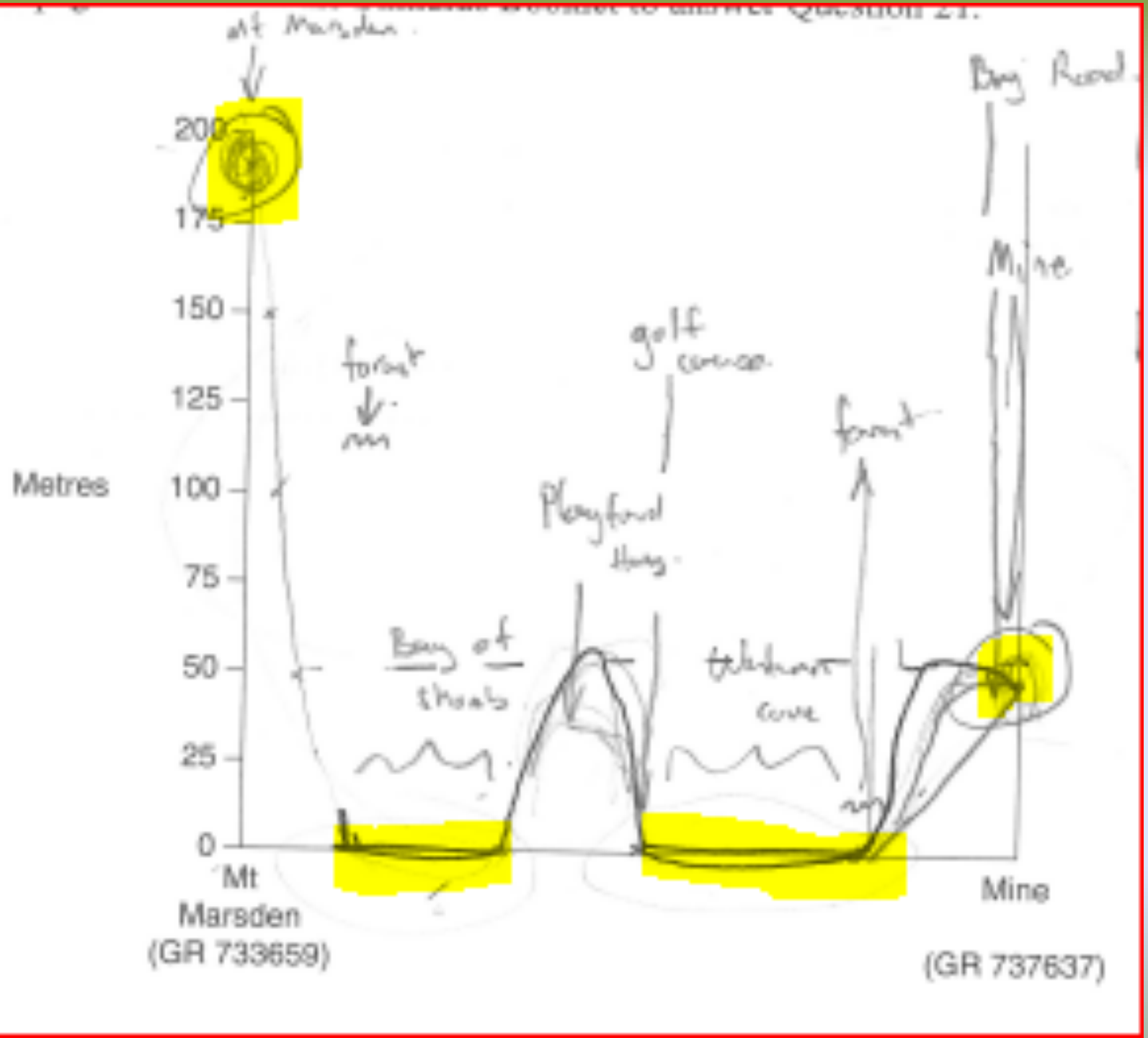

Mt Marsden
Bay Road
Mine
200
175
150
125
100
75
50
25
0
Metres
forest
golf course
Playford Hwy
forest
Bay of Shoals
Wheatman Cove
Mt Marsden (GR 733659)
Mine (GR 737637)

VE=VS/HS

$$= \frac{\text{1 cm represents 25 m}}{\text{1 cm represents 2500 m}}$$

$$= \frac{1/25}{1/2500}$$

$$= 1/25 \times 2500/1$$

$$= 100$$

100/1 was accepted as was 100x and 100 times

$$\text{Gradient} = \frac{\text{Rise}}{\text{Run}}$$

$$= \frac{135}{4000}$$

$$= \frac{1}{29.6}$$

1 in 26 to 1 in 32 acceptable range

New resources

http://www.greenthefilm.com/

http://studyinggreen.wordpress.com/

Strategies: Discuss

Question 22 (11 marks)

(a) Outline ONE biophysical interaction that contributes to a diverse ecosystem. **2**

(b) Describe a change that affects the functioning of an ecosystem you have studied. **4**

(c) Discuss the positive OR negative human impacts on an ecosystem at risk. **5**

A) Outline ONE biophysical Interaction that CONTRIBUTES to a diverse ecosystem = main features of/ general

- biophysical process = natural process - these processes include rainfall, weather, an organism,
- not a human created issue - pollution
- doesn't have to mention an ecosystem
- no biophysical no marks
- spheres have been mentioned but the mark will come from process eg hydrosphere no marks but if they state how this contributes then there is a mark
- A tricky start question.

a) Outline ONE biophysical interaction that contributes to a diverse ecosystem. **2**

The term biophysical appears twice in syllabus. First dot point and in case study section

Interactions requires a cause/effect, 2 way, input-output, stimulus/outcome response

Natural not human

Ecosystem did not need to be mentioned

If spheres are mentioned then they had to point out the contribution. Eg Hydrosphere needs tropical cyclones and reef regeneration

B) **DESCRIBE a change that affects the functioning of an ecosystem you have studied.** **characteristics and features**

- Basically this question is about a change – impact and an example
- 4 = terminology, names specifics examples, detailed
- 3 = level of description
- A clearer question for students to respond to. And they were able to hence it was easy to gain a 3 or a 4.

b) Describe a change that affects the functioning of an ecosystem you have studied. **4**

Change – impact (must be human) and an example

Full marks if it named specific examples and used terminology effectively

3 for description

1 mark for any ecosystem

C) **DISCUSS the positive OR negative human impacts on an ecosystem at risk. HAD to be positive or negative not both , if both written about the student can only get a maximum of 3**

- must be a human impact – this had to be clear.
- can write about one impact but the detail is incredible can get a 5
- 1 = one impact statement / sentence
- 2 = two impacts statement / sentence
- 3 – one done well or two ok
- 4 – 2 or more impacts detailed but not the facts / terminology
- 5 = 2 or more impacts, detailed, examples, statistics,
- Students did well on this section, it was evident In the strength of their responses. This question connected with the one above, so many wrote about the same issue in both.
- A good clear ecosystem helps with this topic.

c) Discuss the positive OR negative human impacts on an ecosystem at risk. **5**

Positive or negative but not both. Both could only get 3 maximum. Must be human!!

5 One impact in exceptional detail still gets full marks. 2 or more impacts, details, statistics.

3 one done well or 2 reasonable

1 one impact, one sentence