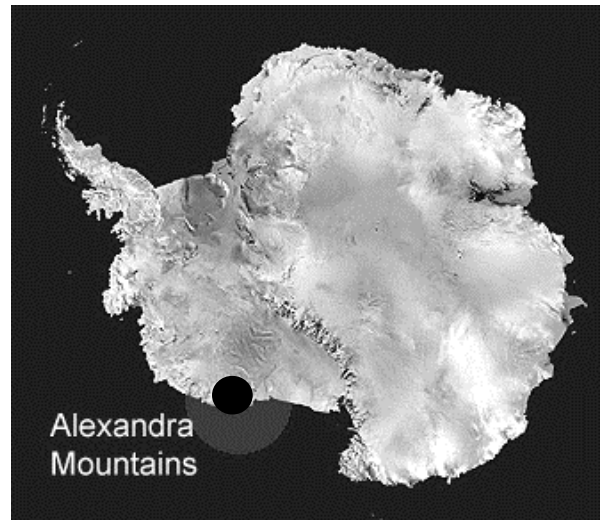


Alexandra Mountains Antarctica



Section A

Which features do these lines pass through?

1 A mountain at latitude $77^{\circ} 15'S$

2 A spot height at longitude $155^{\circ}W$

3 A mountain at longitude $153^{\circ}W$

4 An island at longitude $153^{\circ}W$

5 A glacier at latitude $77^{\circ} 15'S$

6 An Ice Shelf at longitude $154^{\circ}W$

Section B

Give the co-ordinates as accurately as you can for:

7 The seal colony

8 Bowman Peak

9 Scott Nunataks

Section C

10 Approximately how long is Olson Island? _____

11 Approximately how far is Fisher Island from Olson Island?

12 Could you see Fisher Island from Bowman Peak? Explain your answer _____

13 Does the Butler Glacier flow from left to right or right to left? How do you know? _____

14 Imagine you are standing at the Scott Nunataks, describe the landscape around you, use these words in your description.

higher lower steep plateau glacier ice(!)

Answers - Alexandra Mountains Antarctica

Section A – 1 mark each

1. Mount Youngman
2. 660m
3. Mount Josephine
4. Webber Island
5. Richter Glacier, accept Cumbie Glacier
6. Swinburne Ice Shelf

Section B – 1 mark for correct degrees + 1 mark for minutes ± 15 or decimal ± 0.25

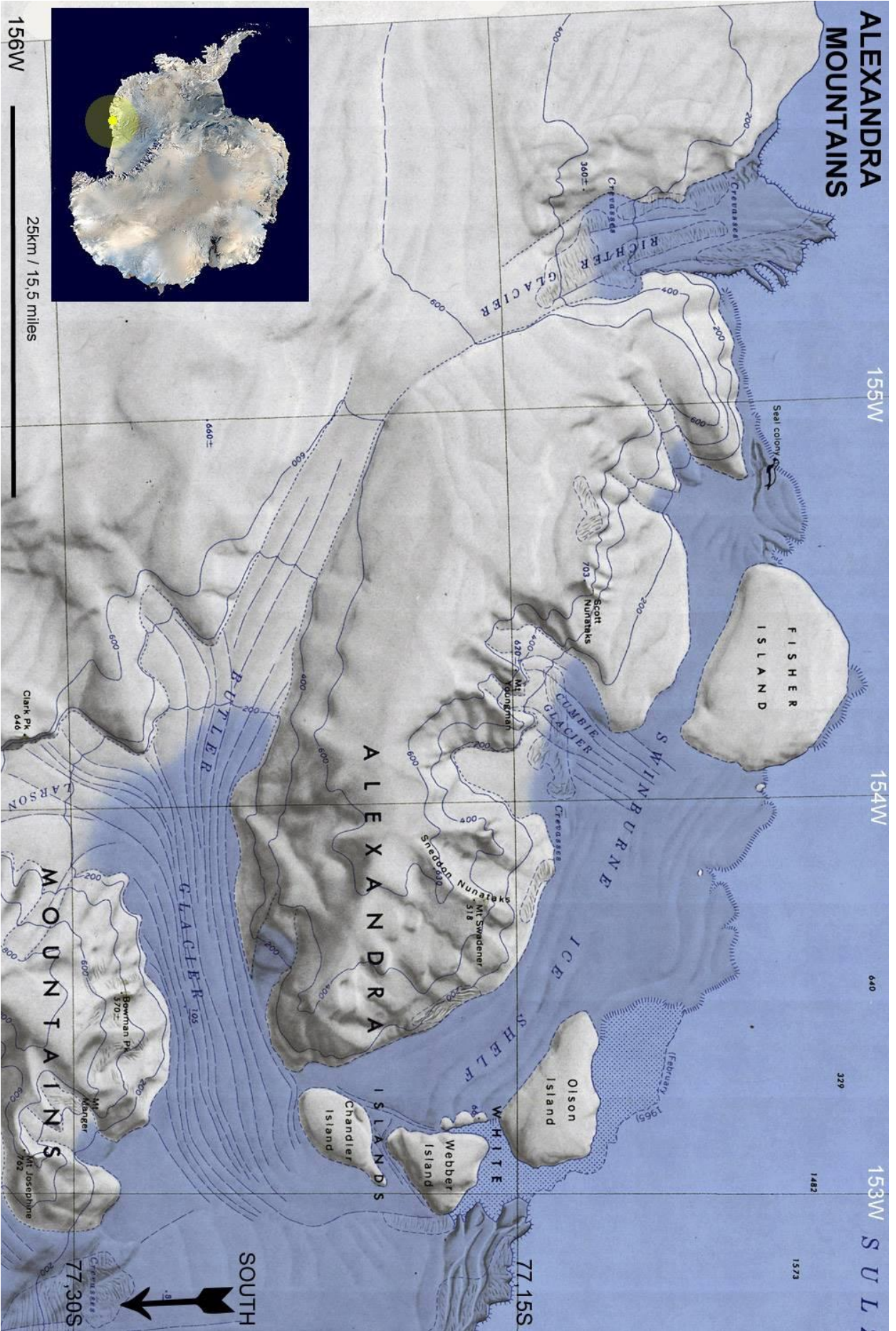
7. $77^{\circ} 5' S 154^{\circ} 50' W$ ($77.1^{\circ} S 154.85^{\circ} W$)
8. $77^{\circ} 25' S 153^{\circ} 30' W$ ($77.45^{\circ} S 153.5^{\circ} W$)
9. $77^{\circ} 12' S 154^{\circ} 30' W$ ($77.2^{\circ} S 154.5^{\circ} W$)

Section C

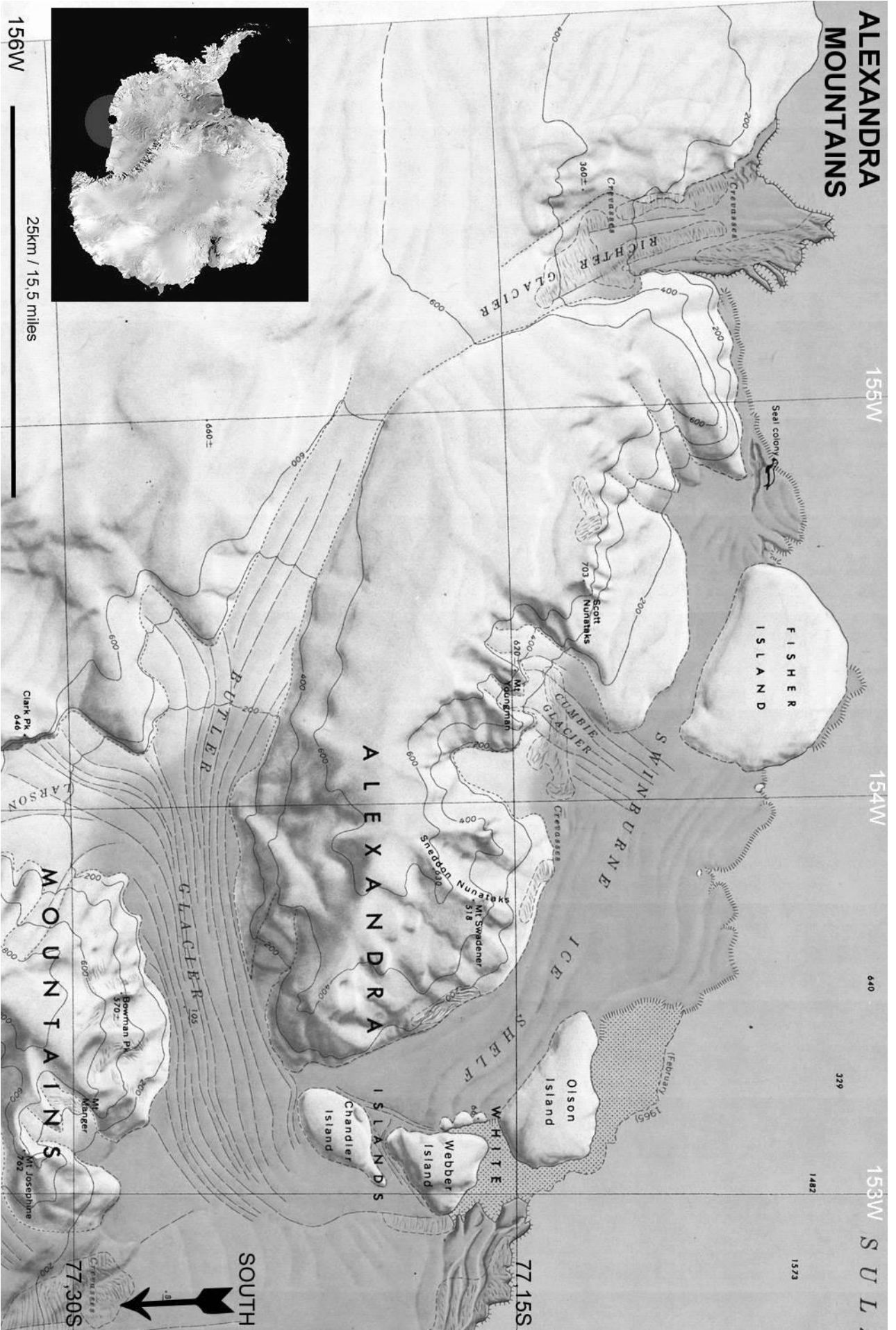
10. 11km / 7 miles ± 2 - 1 mark
11. 20km / 12 miles ± 3 - 1 mark
12. No - 1 mark, mountains or similar in the way – 1 mark
13. L to R – 1 mark, reference to contour lines or towards sea, or away from land – 1 mark.
14. Slope down to sea/ice – 1 mark;
Ice plateau or similar description – 1 mark;
Looking down onto Cumbie glacier – 1 mark;
Named other glacier in sight – 1 mark;
Named Island/s – 1 mark each, up to 2;
Seal colony by sea – 1 mark.
Named appropriate peak – 1 mark each up to 2.
 $\frac{1}{2}$ mark for appropriately using each of given words.
Other relevant non-repeated observations – 1 bonus mark each.

Sections A and B - 18 marks max.

Section C – 12 marks + bonus marks



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