

Site Planning

Tutorial 4: Site analysis

Week 5 - due Thursday 7 March 2013

name & surname	
student number	

1. Practise your lettering: copy the lettering in the top row onto the dotted lines below each example (6)

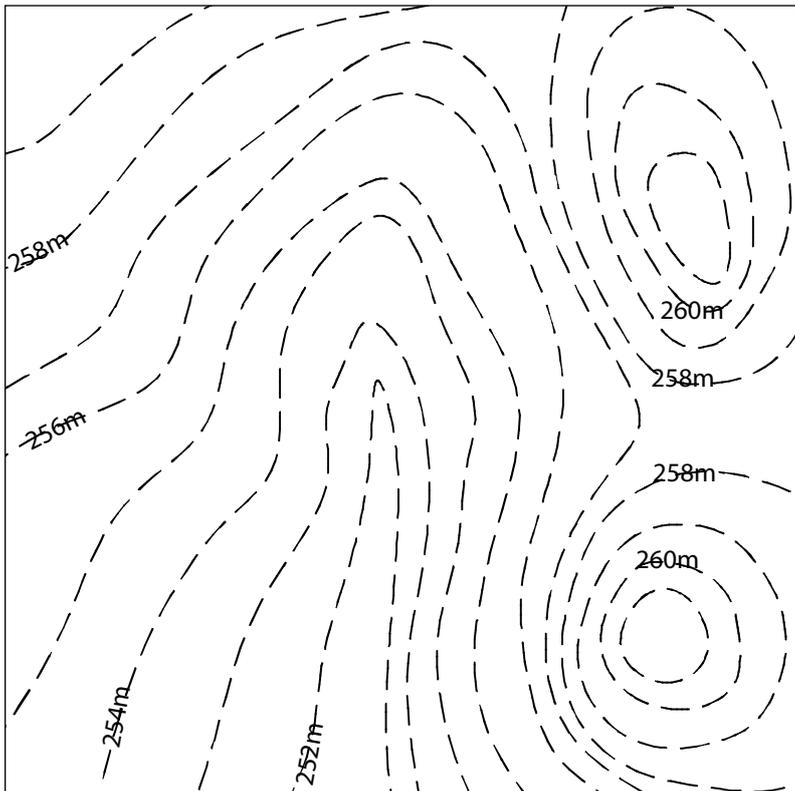
Site analysis plan Scale 1:150 4 March 2013

SLOPE ASPECT PLAN 7 MARCH 2013

2. Write your name, surname and student number onto the dotted lines below: (3)

3. What is the difference between a slope aspect map and a slope gradient map? (2)

4. Using symbolic graphic techniques, show the items as per the legend. Remember to complete the symbols in the legend. (5)



Legend

- Major ridgelines
- Minor ridgelines
- Major valleys
- Minor valleys
- Peaks

Site analysis map

1:2500 @ A4



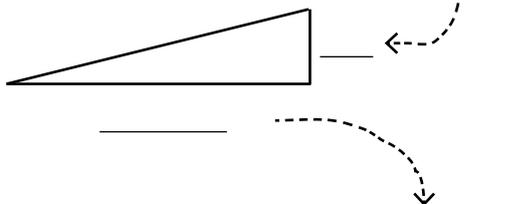
5. You must complete the slope gradient and slope aspect maps below, using the values in the legend. Remember to complete the legend blocks. (10)

To help you with the slope gradient map, complete the following: (4)

1:4 slope

5.1 What is the contour interval or change in vertical between contours (in meters)? _____

5.2 Complete the gradient diagram for a 1:4 slope:



5.3 What is the horizontal distance between contours for a 1:4 slope (in meters)? _____

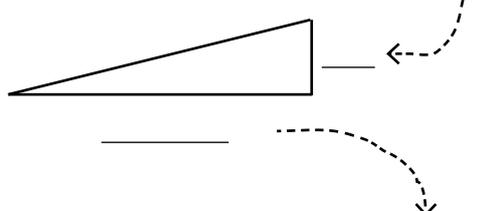
5.4 Convert your answer for 5.3 to 1:2000 scale: _____

This is the value (in mm) that you will use to determine the horizontal distance of slopes at 1:4.

1:10 slope

5.5 What is the contour interval or change in vertical between contours (in meters)? _____

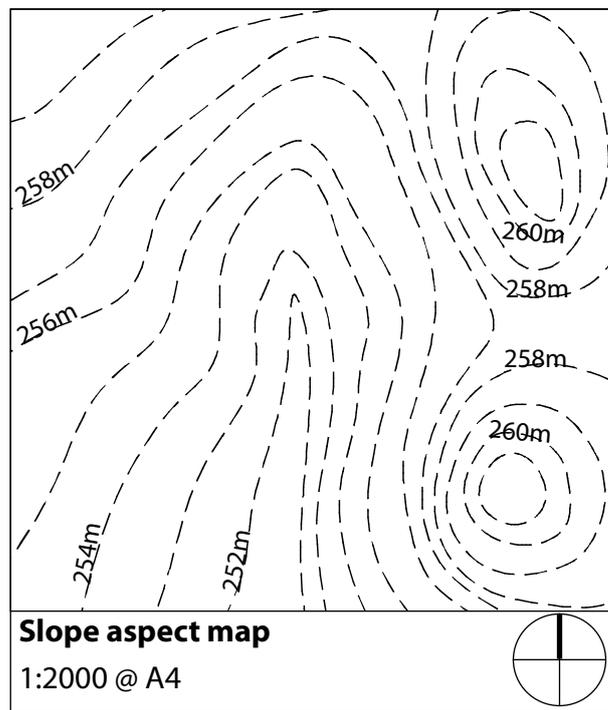
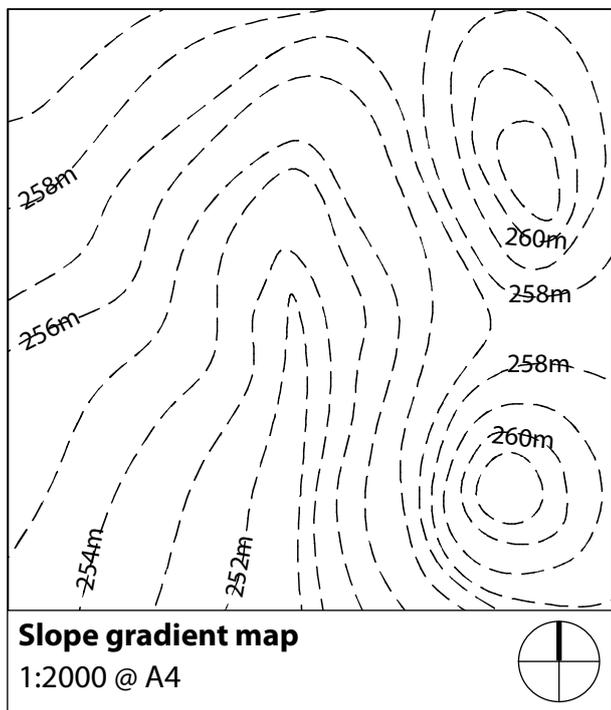
5.6 Complete the gradient diagram for a 1:10 slope:



5.7 What is the horizontal distance between contours for a 1:10 slope (in meters)? _____

5.8 Convert your answer for 5.7 to 1:2000 scale: _____

This is the value (in mm) that you will use to determine the horizontal distance of slopes at 1:10.



Slopes steeper than 1:4



Slopes between 1:4 and 1:10



Slopes flatter than 1:10



Cooler southern slopes



Hot north-west slopes



Warm north-east slopes