



Landform

In hilly or mountainous areas, landform is usually the most dominant and obvious shape

Landform is three dimensional, and is a big influence on forest design in upland areas

As a result we analyse the visual interpretation of landform in detail to inform the shapes in a forest

The shapes could be the outside edge, internal open spaces and felling coupes.



Landform - spurs and ridges

When we look at the landform, our eye tends to follow the skyline

Then our vision tends to follow down spurs, ridges and convex landforms.



Landform - visual analysis of ridges and spurs





Landform - valleys and hollows

Our gaze also tends to flow up hollows, valleys and concave landforms.

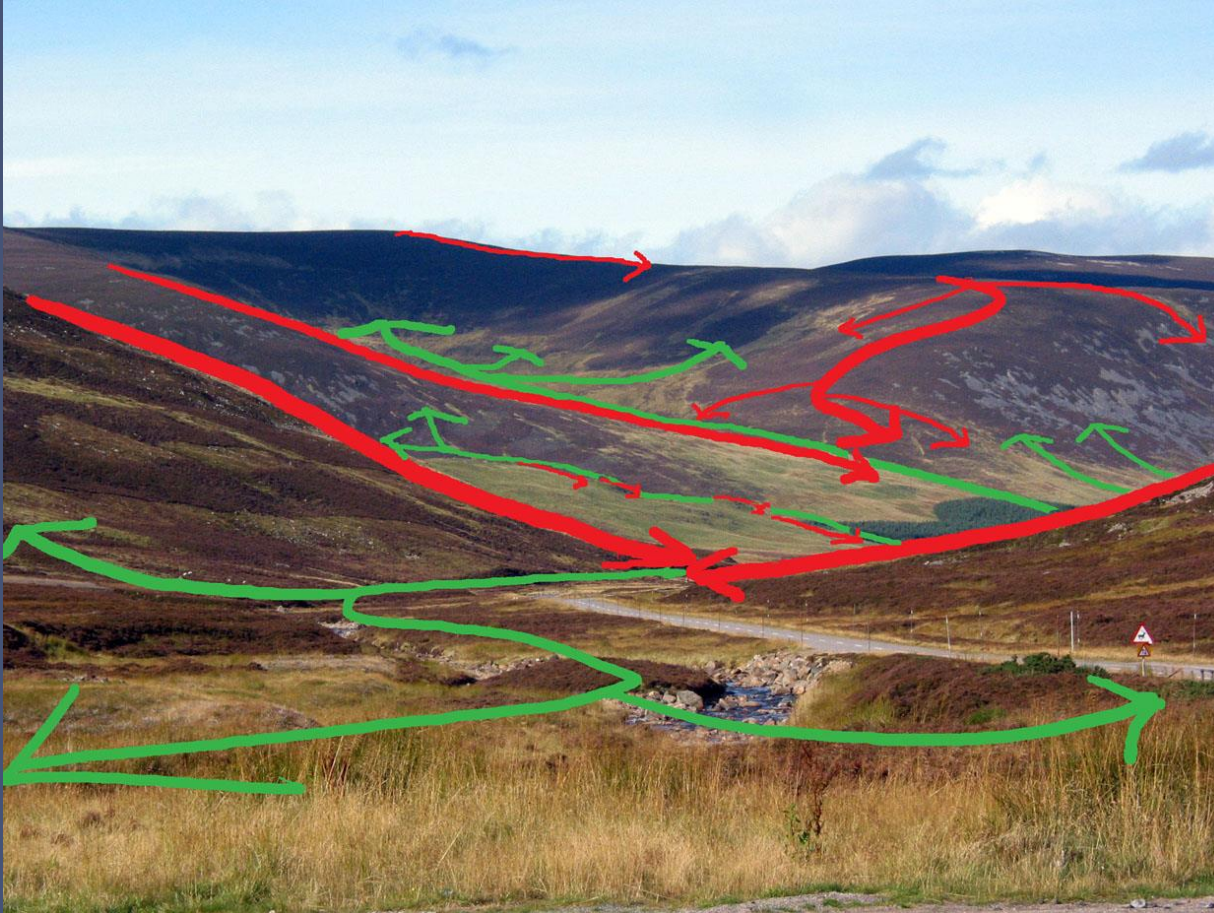


Landform - visual analysis of valleys and hollows





Landform - visual force analysis





Landform

The arrows illustrate how you read the landform and interpret it – down the ridges, and up into the hollows

This is called ‘visual force analysis’

We can use visual force analysis to inform the shapes of forest design where landform is the dominant characteristic.



Landform





Landform - reflecting natural patterns





Landform

Planting according to visual force:

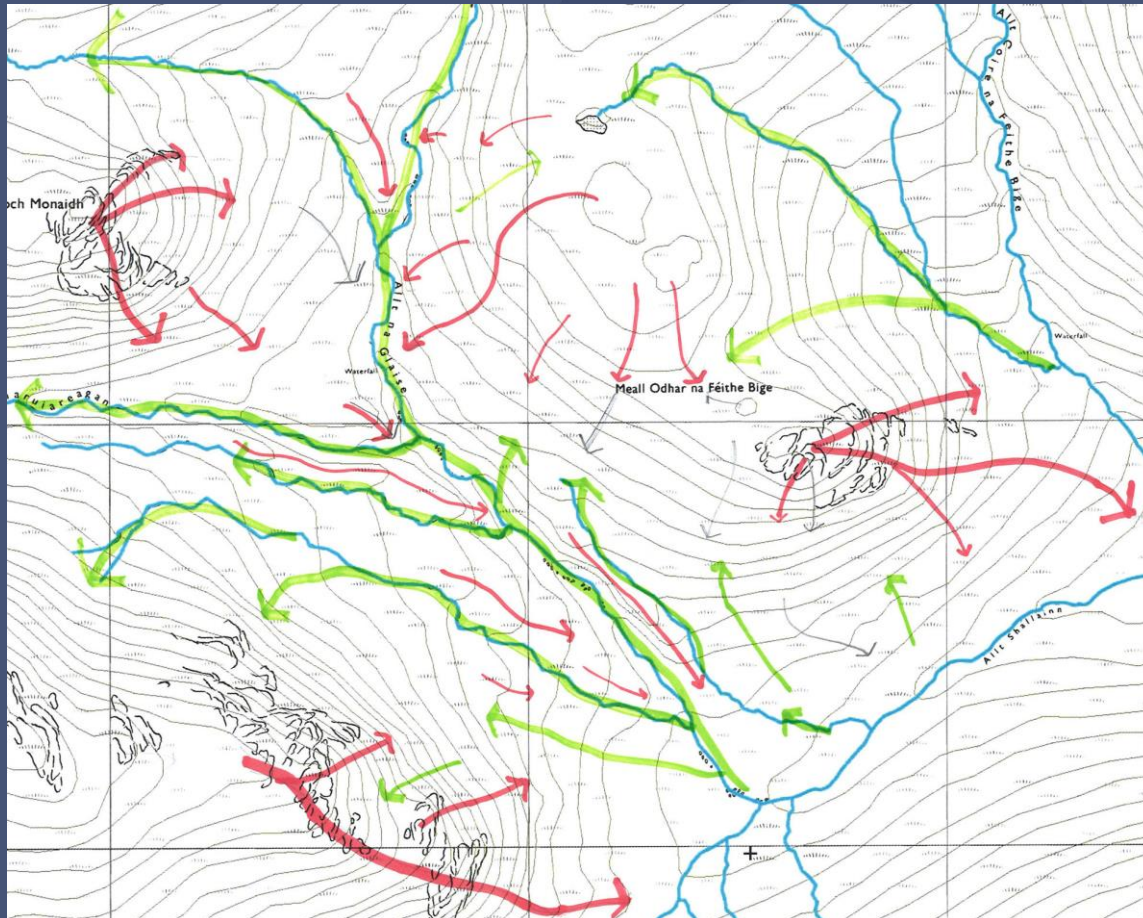
- Avoids exposed spurs and ridges
- Is focused on moisture-retentive soils
- Occupies sheltered valleys
- Makes visual sense
- Has a strong design rationale.



Landform

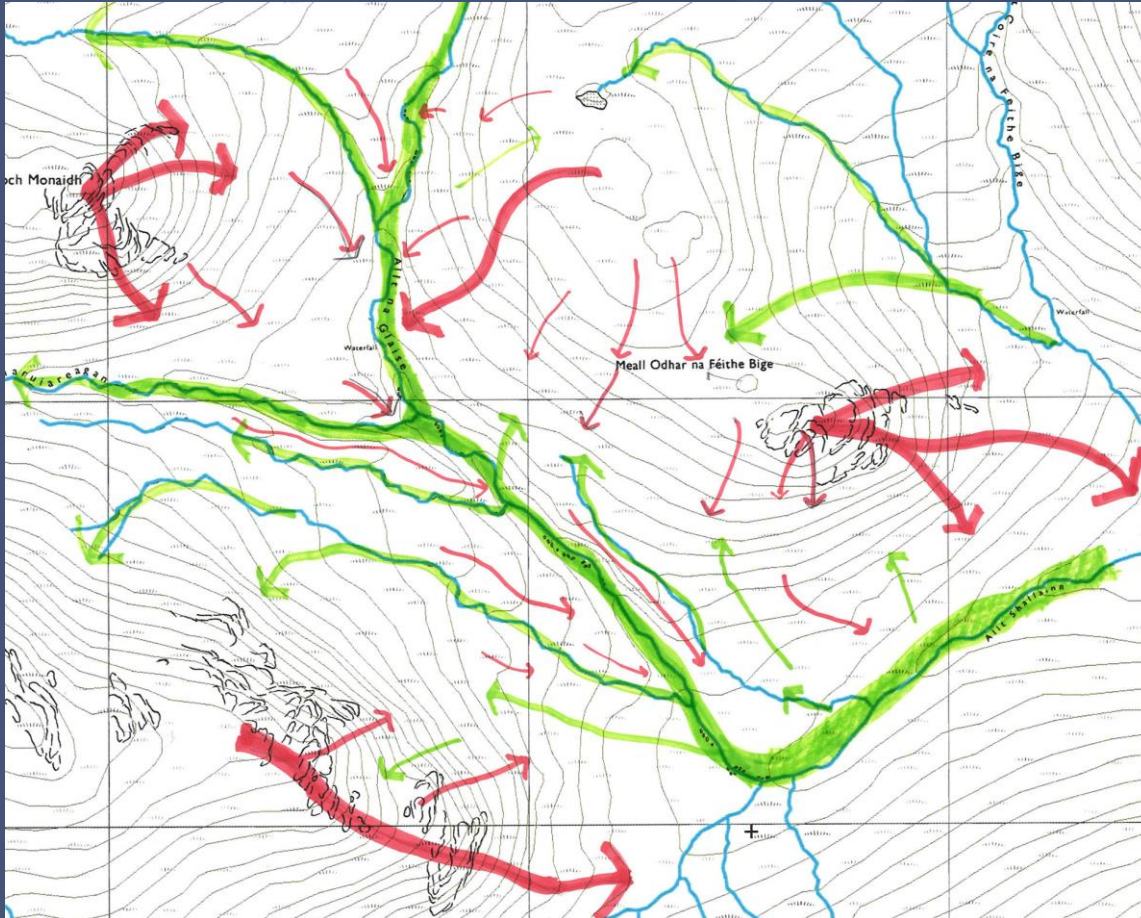
Visual force analysis can also be undertaken on maps, using the contours.

Landform





Landform





Exercise 3 - Mapping visual force

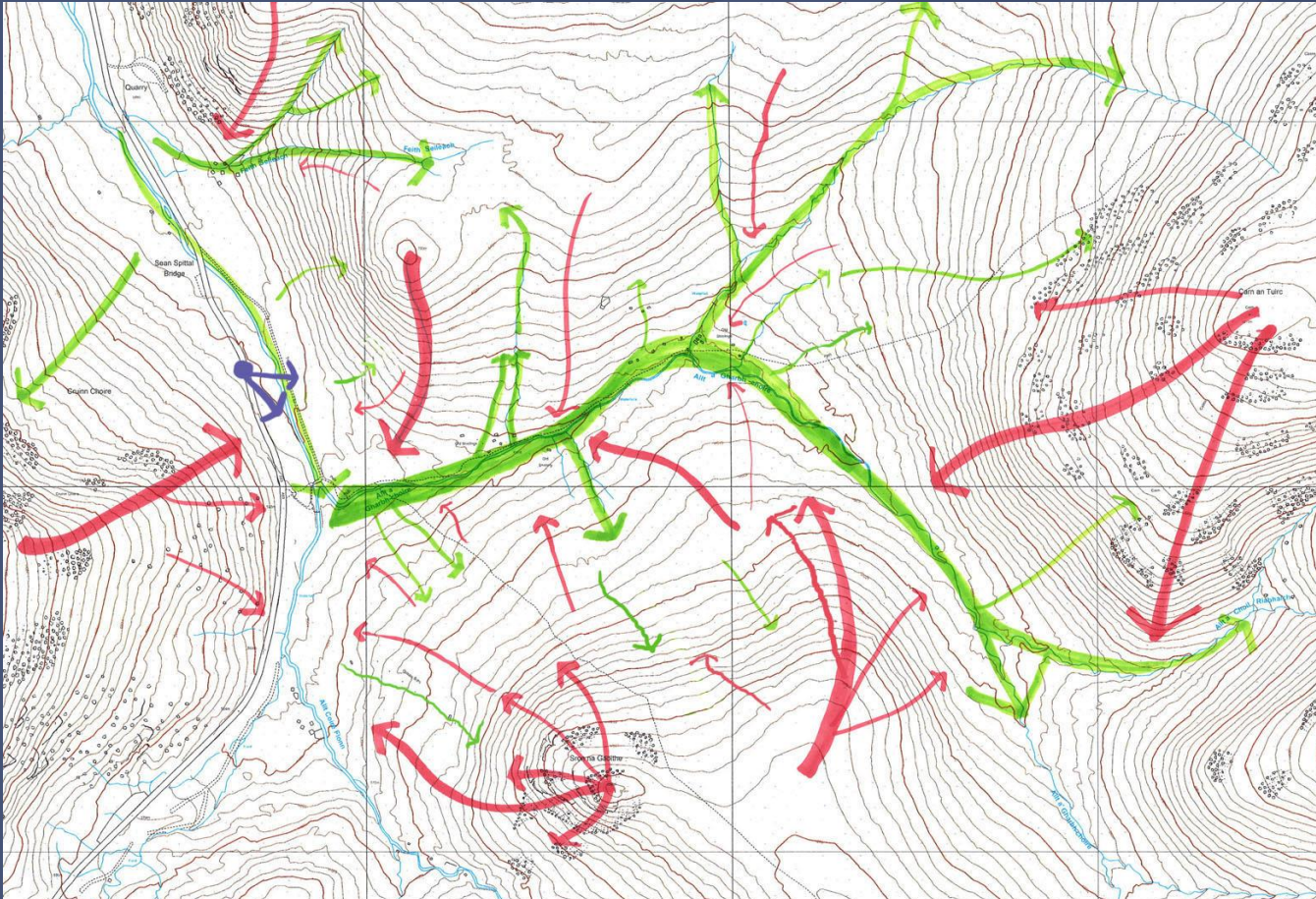
Individually...

Identify the visual forces - where the key ridges and hollows are - on the map provided

Draw the visual force analysis, using red and green arrows.

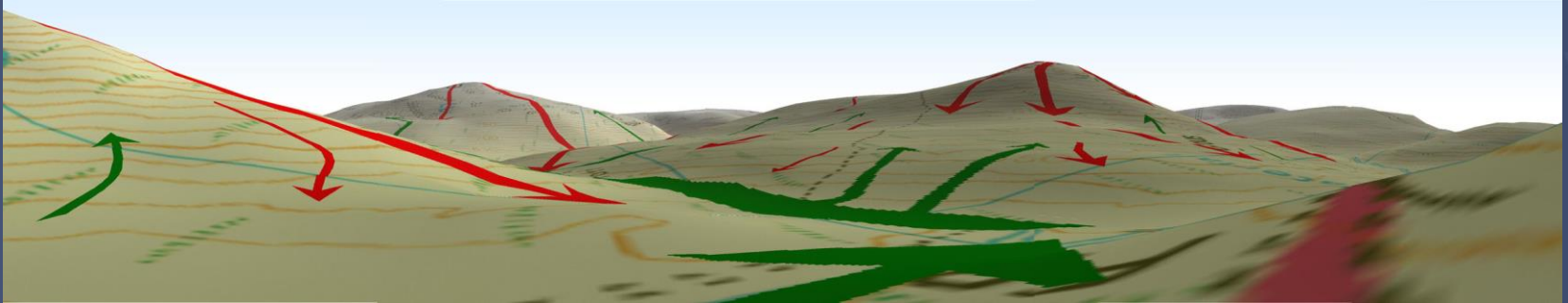


Exercise 3 - Tutors response



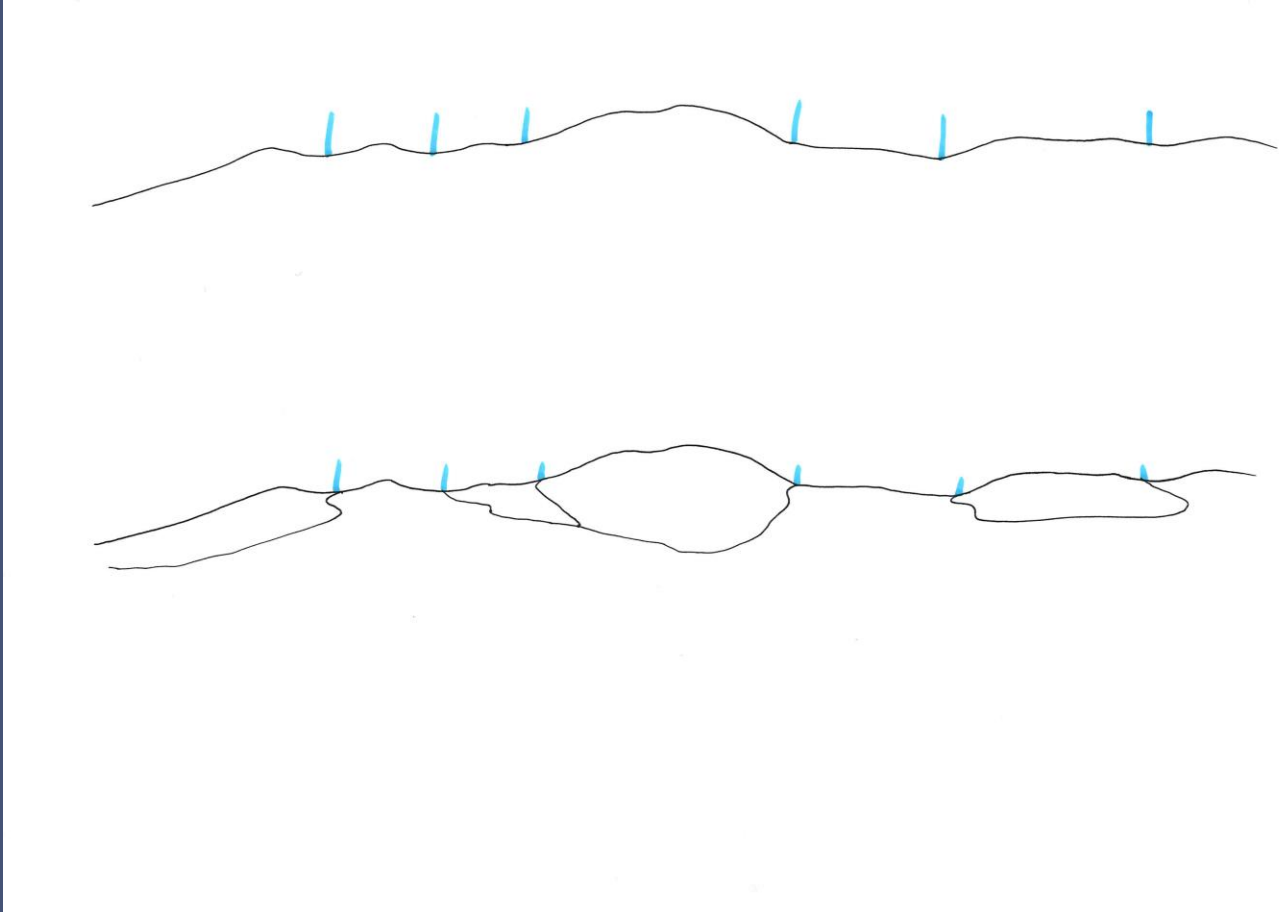


Exercise 3 - Tutors response



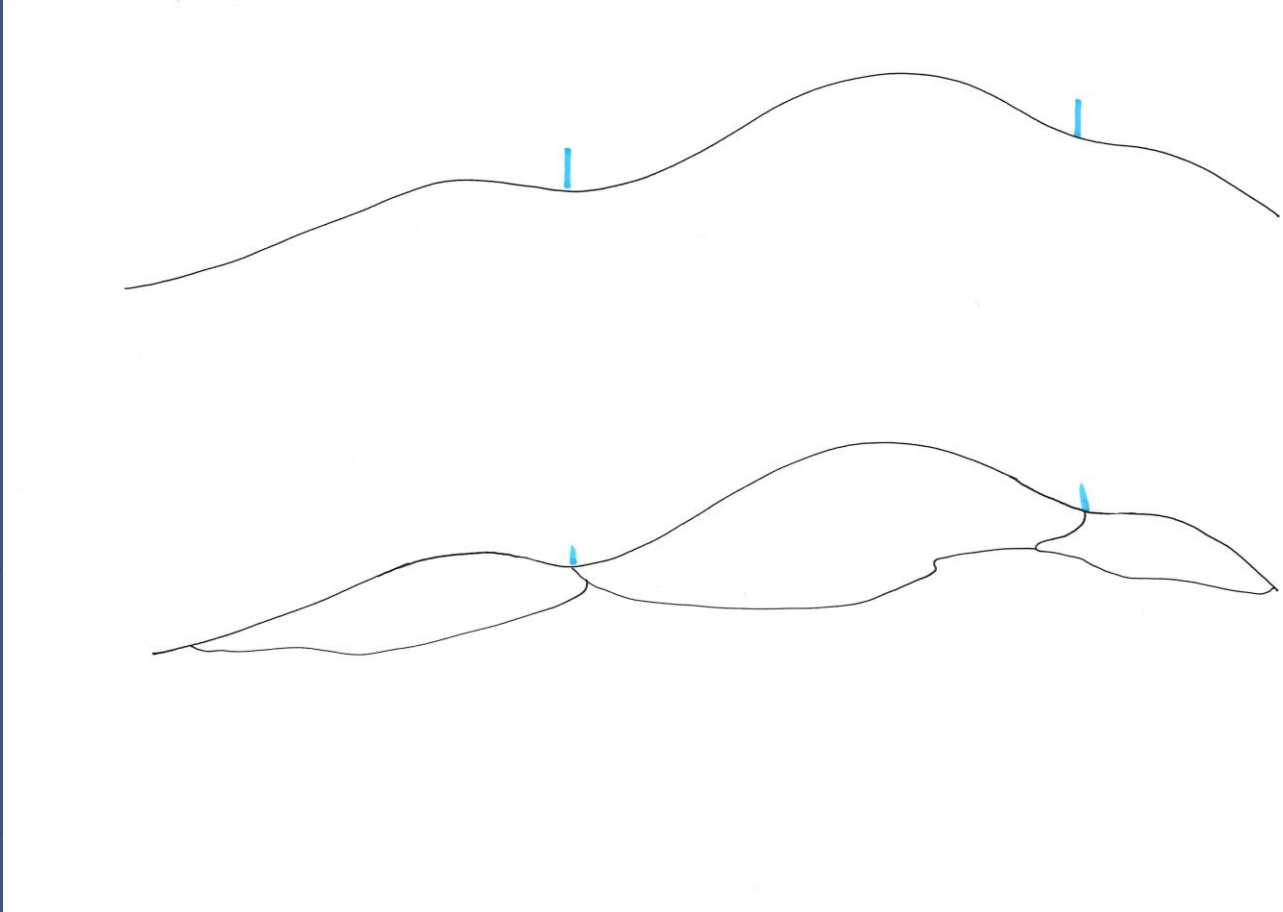


Landform – break points in saddles





Landform – break points in saddles





Summary

In landscapes where landform is the dominant characteristic, it should be used as the key influence in forest shape

Visual force analysis can be used to analyse the landform in more detail

Using red arrows to indicate spurs and ridges

And green arrows to indicate hollows and dips...



Summary

Visual force analysis can then be used to influence the shape of the forest edge, open spaces and felling coupes

Identify the best places (usually dips) for the forest or felling coupe to cross a ridge line without interrupting the integrity of the landform profile or skyline.