

Upper Tract Fieldwork Activities

THE ROLE OF FIELD WORK –

Your main tasks include –

- Observe and appreciate the many natural features in this type of environment
- Look for evidence of natural processes
- Look for evidence of change and their possible causes and effects
- Record as much information as necessary to assist you in completing the comparison between features of an upper tract and a lower tract.



TASK 1: MAP READING / NAVIGATION

[TO BE COMPLETED DURING THE WALK BY USING OBSERVATION USING EITHER GPS or TOPOGRAPHIC MAP]

1. What are some of the differences between the topography around the Mt XYZ peak areas and the country near the car park?
2. What is the grid reference location of the car park?
3. Identify a creek confluence **728749** as you are walking. (LOOK TO YOUR RIGHT)
4. What are you crossing at the location **726749**?
5. If you stopped at location 710748, would you be up on a spur or down in a gully? **CALL OUT WHEN YOU REACH THIS LOCATION!**
6. In which general direction do the creeks / gullies we crossed during the walk tend to flow?
7. When you reach Mt XYZ, approx how far is the remainder of the walk to the Lower Portals?
8. What natural feature is situated at **702749**?
9. Confirm the grid location of the Lower Portals.
10. Using a compass and topographic map, determine the direction of the Mt XYZ saddle from the Lower Portals. Give your answer as a bearing.



TASK 2: COMPLETING A CHECKLIST ([TO BE COMPLETED DURING THE WALK])

Did I see

Evidence of ...	Y / N	Comment
No fire for some time Recent bushfire Human traffic along tracks Vehicular movement Track reconstruction Loss of topsoil Track erosion Track diversion Tree removal Tree poisoning Gully incision Fences Signage Litter Vandalism Graffiti Native wildlife Introduced species (lantana) ... Cattle Grazing Alluvial / Colluvial deposition ... Water creatures		
<p>Plant species – Bloodwood - <i>Corymbia intermedia</i> Grey Gum - <i>Eucalyptus Propinqua</i> Ironbark - <i>Eucalyptus Fibrosa</i> Moreton Bay Ash - <i>Eucalyptus Tessellaris</i> Brush Box - <i>Lophostemon confertus</i> Grass Trees Lilli-pilli</p>		

TASK 3: IDENTIFYING LANDFORMS / GEOMORPHOLOGIC PROCESSES

Choose **TWO** of the following features and draw outline **field sketches** of each in the space below.

Attempt to PHOTOGRAPH some of the others listed.

SELECT FROM – WATERSHED; HEAD OF GULLY; CONFLUENCE OF TWO 1ST ORDER STREAMS; GULLY INCISION; A V-SHAPED STREAM CROSS SECTION; ALLUVIAL DEPOSITION IN A GULLY; STREAM BRAIDING; GORGE FEATURES; RAPIDS; EVIDENCE OF HYDRAULIC EROSION;

