

WORKSHEET – Introduction to Stream Studies

All tasks are to have their locations mapped in terms of spatial location and elevation

Choose from one of the following –

1. Identify and photograph three of the following landforms - a gully or 1st order stream, a stream confluence, a ridge, a spur, a very steep slope which shows erosion, an example of stream undercutting, a prominent rock slab, a V shaped watercourse, a rock pool. If necessary take some notes so that you can discuss its geographical implications with the class.
2. Conduct a human impact survey of ONE of the following areas – near the waterfall, along the walk trail towards the waterfall or at the Falls car park area. Use a checklist to ensure accuracy of your data and be able to convert your data into a graphical presentation.
3. Take photographs of the following – an open forest, a section of closed forest, a plant species specific to a particular part of the forest eg iron bark trees on ridges, an introduced or noxious species, the ground layer of the forest, a species that appears to be unique, eg grass tree, human litter, information signage, warning signage, evidence of fire, animal species
4. Be able to mark where you walked on a map, showing estimated length, approx gradient and direction of either the ascending trail or the descending trail.
5. Using a sound recording device, record the sounds of different birds or insects (cicadas) for short periods (say 30 secs) and map their locations.



Head of a gully near ridge top.



Evidence of fire

6. *A written summary of observations will be completed at school.*

7. Checklist of items to look for –

Geographical feature	Yes / no
<p>NATURAL</p> <p><i>Hill, spur, ridge, knoll</i></p> <p><i>V – shaped gully or stream</i></p> <p><i>Rocky outcrop or boulders</i></p> <p><i>Stream confluence</i></p> <p><i>Evidence of erosion</i></p> <p><i>Evidence of deposition</i></p> <p><i>Undercutting</i></p> <p><i>Cliff or scarp feature</i></p> <p><i>Ground layer vegetation</i></p> <p><i>Canopy</i></p> <p><i>Native species of animal or plant</i></p>	
<p>HUMAN / BUILT</p> <p><i>Trail</i></p> <p><i>Rails, fences, bridges</i></p> <p><i>Information sign</i></p> <p><i>Warning Sign</i></p> <p><i>Litter/ graffiti</i></p> <p><i>Trampling</i></p> <p><i>Trail improvements / modifications</i></p> <p><i>Facilities / amenities</i></p> <p><i>Cleared ground</i></p>	
<p>OTHER</p> <p><i>Introduced species</i></p> <p><i>Feral animals</i></p> <p><i>Evidence of fire</i></p>	