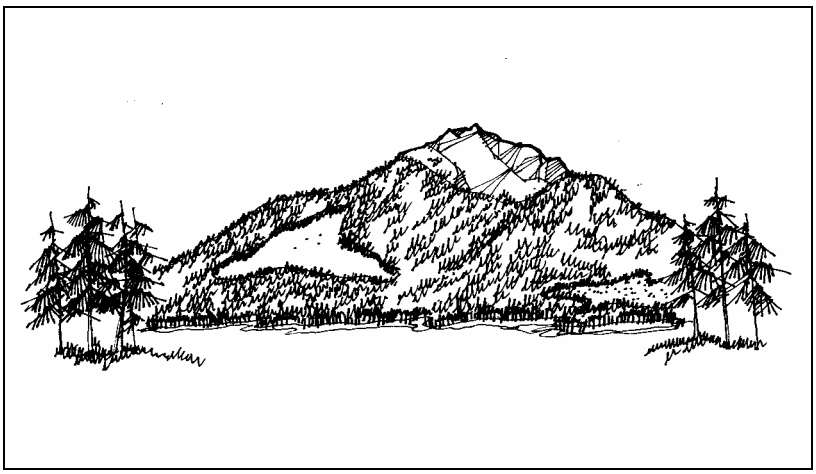
Appendix 4.

Calculating percent alteration in perspective view

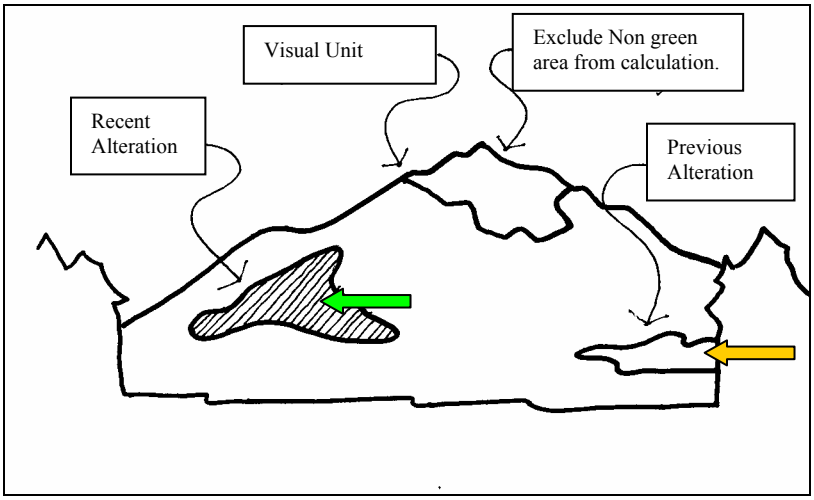


Photograph showing altered Landscape

Step 1. On an enlarged version of the site photograph, define and outline the visual unit or landform. Exclude those portions of the landform screened by vegetation and non-green areas, such as mountain tops, rock, snow, and ice.

Step 2. Measure the visible unit or landform using an manual or electronic planimeter or a GIS application(e.g., middle ground visual unit = 37.5 cm^2).

Step 3. Measure visible ground area of previous alterations that have not yet achieved visually effective green-up (e.g., current alteration = 1.8 cm^2).



Step 4. Measure visible ground area of recent alteration (e.g., = 4.7 cm^2).

Step 5. Add previous non-VEG alteration and recent alteration figures together to get total area altered. Divide this figure by the visual unit figure to get percentage of unit altered (e.g., $[(1.8 + 4.7) \div 37.5] \times 100 = 17.3\%$.)

Note: Repeat the above calculation for each of the viewpoints selected for evaluation. Enter the percent alteration figure derived from each viewpoint on the Visual Quality Effectiveness Evaluation form. (Appendix 1).