

# WHICH CATEGORY OF CONTROLS SHOULD YOU USE?

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## WHAT IS THIS?

When choosing the category of controls to use on your development site, you need to consider the catchment area (see Glossary)(Table 1), type of soil, gradient, existing flow paths, the area to be disturbed, and the soil loss rate. As a guide to best practice, IECA (IECA Appendix B, 2018) recommends a risk-based approach to selecting the appropriate category of controls based on the catchment area and maximum allowable soil loss rate. See Appendix 1 in this document for more information about how to calculate soil loss rate using the Revised Universal Soil Loss Equation (RULSE). It is normal to use a variety of control types on your site, with larger catchments requiring more stringent controls. The controls suggested below are the MINIMUM required. If in doubt, contact the council about which controls to use.

## MINIMUM CONTROLS BASED ON CATCHMENT AREA (IECA APPENDIX B, 2018)

- ▶ **For catchment areas up to 250m<sup>2</sup>** – the local council will determine the type of controls required based on the characteristics of the site. The default suggested by IECA is Type 3 and Supplementary Controls.
- ▶ **For catchment areas between 250m<sup>2</sup> and 1,000m<sup>2</sup>** – Type 3 and Supplementary Controls are required for capturing large sediment particles; other controls may be necessary depending on characteristics of the site.
- ▶ **For catchment areas between 1,000m<sup>2</sup> and 2,500m<sup>2</sup>** – Type 3, Supplementary Controls, and Type 2 controls are required for capturing medium and large sediment particles.
- ▶ **For catchment areas over 2,500m<sup>2</sup>** – Type 3, Supplementary Controls, Type 2, and Type 1 controls are required for capturing fine, medium, and large sediment particles. Specific analysis may be required by a suitably qualified specialist to design appropriate controls.



Area triggers used here are based on catchment area - the total ground area over which rainfall will run towards the development site, including areas of ground disturbance. The catchment area does not include any upslope 'clean' runoff which - by means of diversion drains - is made to bypass the disturbed area. A development site may include multiple catchments of different areas and different risks depending on topography, requiring site specific sediment controls.

**Table 1:** Minimum control types associated with different catchment areas, as recommended in IECA Appendix B, 2018.

Catchment area (m <sup>2</sup> )	Type of controls recommended (minimum)
</= 250	Consult council; default is Type 3
250 > 1000	Type 3
1000 > 2500	Type 2 and 3
> 2500	Type 1, 2 and 3