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Chapter 13: Erosion and Sediment Control

13 Erosion and sediment control

13.1 Introduction

The content previously contained within this chapter on temporary erosion and sediment control has been removed from this version of the Road Drainage Manual.

It is now expected that temporary erosion and sediment controls to manage construction impacts should be implemented in line with the guidance and requirements found within:

- Best Practice Erosion and Sediment Control, (IECA Australasia, 2008)
- the department's Technical Specification and Specification (Measurement) 52 Erosion and Sediment Control January 2015 (TMR 2015a)

Departmental employees can access this document via the Environmental Management System SharePoint site. External parties can request a copy from the department.

In particular:

- Information on field dispersion testing and erosion properties of TMR Soil Groups can be found within the department's Soil & Revegetation Management Guideline, – State Wide Edition (Chapter 3). This manual also contains design, construction and maintenance practices suitable for standard and specialised environments.
- Methods for determining erosion risk using Revised Universal Soil Loss Equation (RUSLE) including R values can be found in Book 2 – Appendix E of Best Practice Erosion and Sediment Control, (IECA Australasia, 2008).
- Control selection criteria is available in Chapter 4 of Best Practice Erosion and Sediment Control, (IECA Australasia, 2008). Detailed design fact sheets and standard drawings are also available in this manual (Book 4 and Book 6 respectively). This material can be accessed from the IECA website (http://www.austieca.com.au/publications/publications). Departmental employees can get login details from the Environmental Management System SharePoint site. External parties will need to arrange for their own access.

The Department of Transport and Main Roads strongly encourages the early installation of permanent water quality treatment systems and use of these permanent devices during
construction phase where appropriate. Information on permanent water quality treatment can be found in Chapter 7 of this manual.