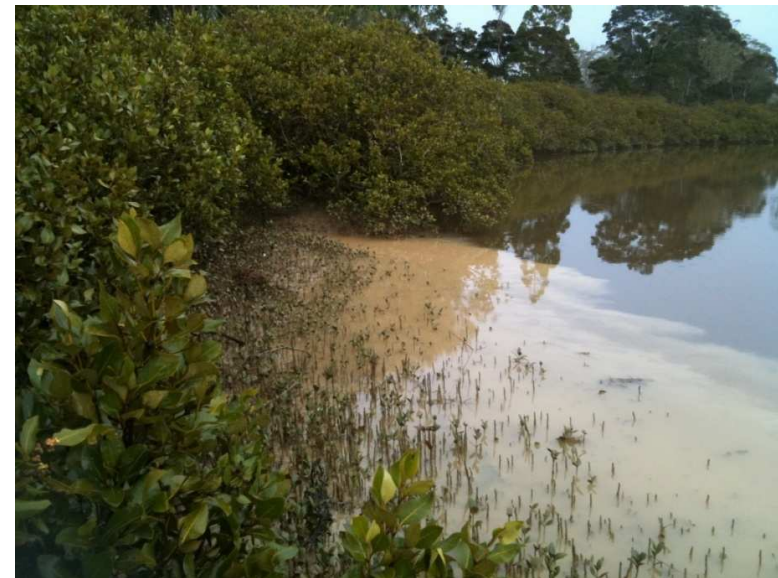


ESC Plans

- An erosion and sediment control plan needs to provide detail of the Erosion and Sediment Control measures for each phase of a project to avoid uncontrolled sediment discharges and minimise cost.



Common Mistakes

- Lack of supporting information
- Inadequate Planning
- Land disturbance not staged
- Inadequate staging of ESC measures
- Inadequate monitoring and maintenance programmes

What is a Treatment Train?



- a series of Best Management Practices and/or natural features, each planned to treat a different aspect of potential pollution, that are implemented in a linear fashion to maximize pollutant removal.

What makes a good plan?

■ methodology

- identified hot spots
- minimise measures (staging works, think how and when to do them)
- plans that account for the worst case scenario
- simple but remember site is dynamic/ co-ordinate activities

■ runoff control – isolate the site

■ think about control measures

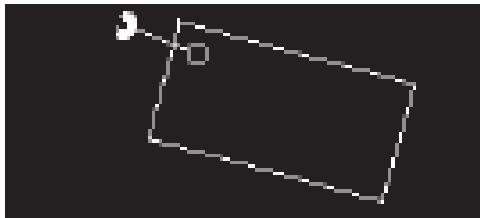
- where and what to build
- do they relate to the site and receiving environment needs
- use the right control measures and know their limitations
- install erosion and sediment controls before other earthworks
- attention to detail/ links the site

Best Practice ESC Plans

- **ESC Plans for each stage of development**
 - **Does the plan allow the controls to remain until the final stages of development? – Remember earthworks sites are dynamic**
 - **Does the plan account for drainage and other infrastructures works?**

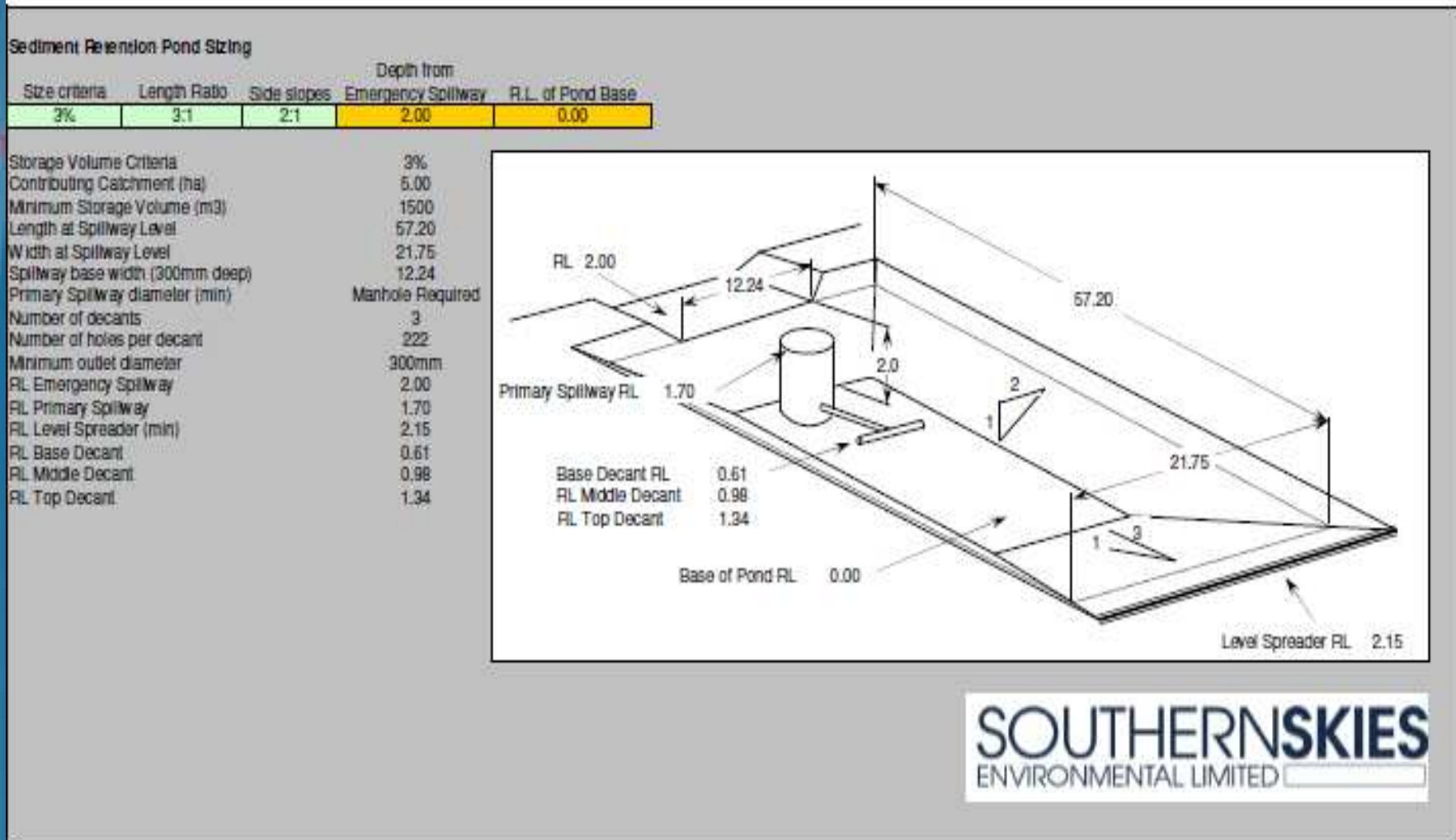
Best Practice ESC Plans

- **Standard symbols used for devices (refer local guideline)**



Best Practice ESC Plans

- Devices sized and plans provided where appropriate



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Best Practice ESC Plans

- All Erosion and Sediment Control devices should be numbered for example SF – 1, SRP – 1
- An installation/ construction sequence should also be provided



Best Practice ESC Plans

ESC Item	Dwg	Installed	Removed	Ref	Comments
CWD – 1	SC01-2007-003	Prior to disturbance	After site stabilised	ARC TP90 1.1 and attached specific sizing	Purpose of this drain is to divert upper catchment cleanwater away from the site
SF - 1	SC01-2007-003	Prior to disturbance	After site stabilised (80% cover)	ARC TP90 2.2	
Entrance - 1	SC01-2007-003	Day 1	When permanent roads are stabilised	ARC TP90 1.8	

Best Practice ESC Plans

- **Monitoring and maintenance programmes/ checklists**
- **Programme – Installation/ stabilisation / decommissioning**
- **Site responsibilities**
- **Review**
- **Certification of controls**