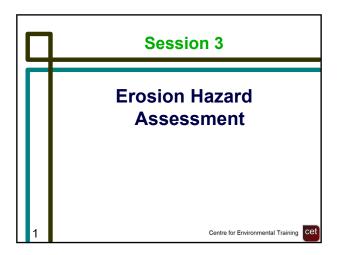
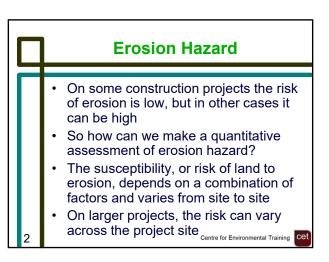
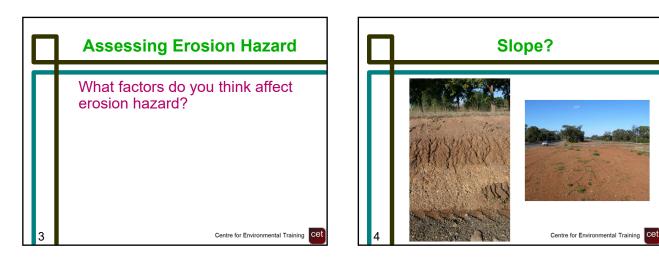
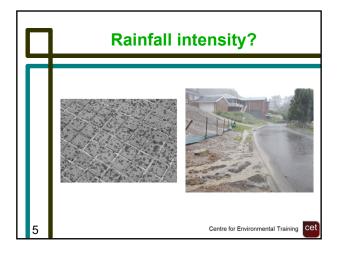
Peabody

Practical Erosion and Sediment Control for the Workforce 7 April 2025







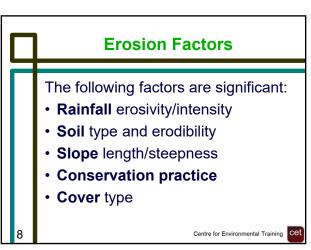


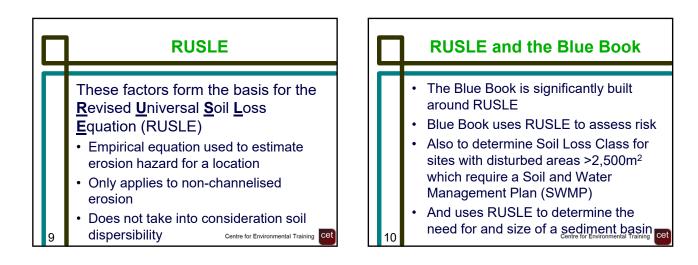


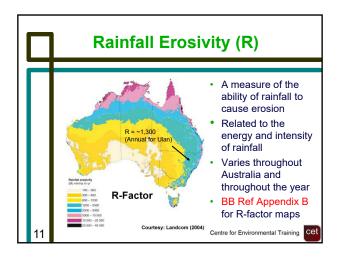


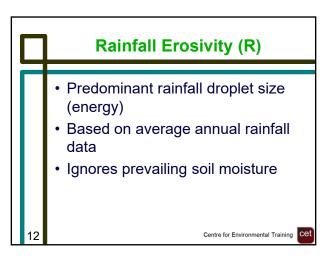
3.1





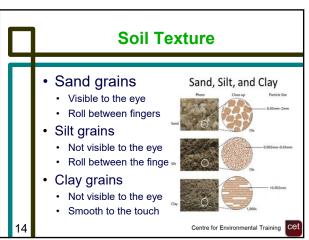


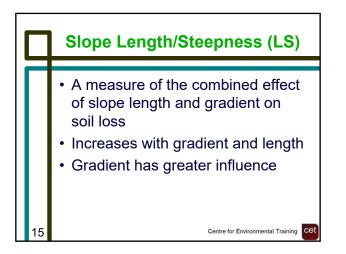




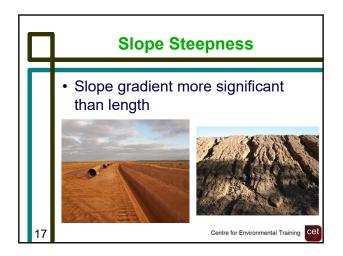
Soil Type and Erodibility (K) A measure of the susceptibility of soil particles to erosion Affected by soil texture, structure, organic matter, profile permeability and other parameters

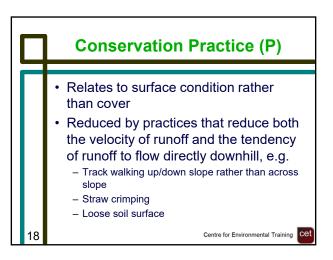
 Generally, fine sands and silts are most erodible, but dispersible clays can be highly erodible Centre for Environmental Training





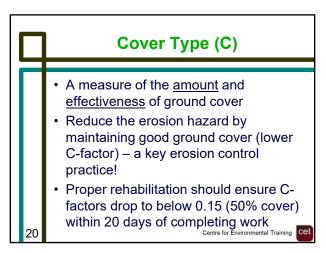






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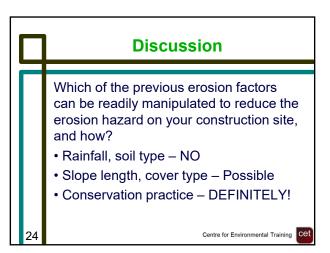




| Cover Type (C) for Grass | | | | | | |
|--------------------------|---|-----------------------------------|--|--|--|--|
| П | Grass Cover | C-Factor | | | | |
| | No cover, soil smooth and compacted | 1.0 (High) | | | | |
| | 20% | 0.45 (Med) | | | | |
| | 50% | 0.15 (Low) | | | | |
| | 70% | 0.05 | | | | |
| | 100% | < 0.01 | | | | |
| 21 | | Centre for Environmental Training | | | | |

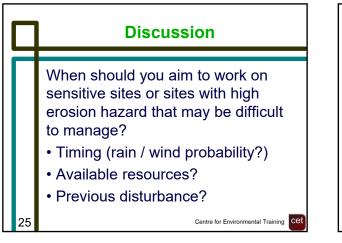


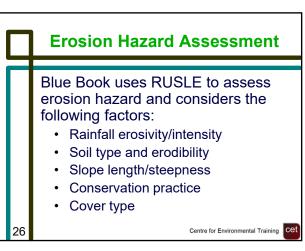


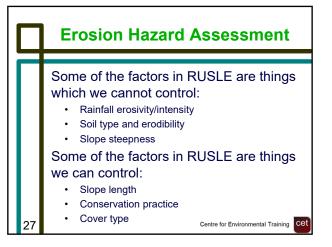


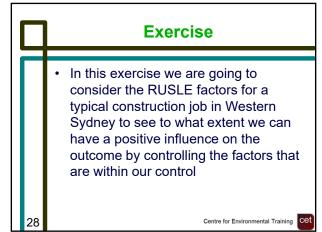
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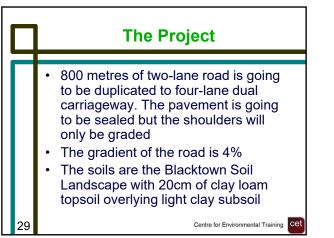
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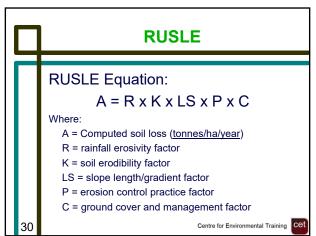


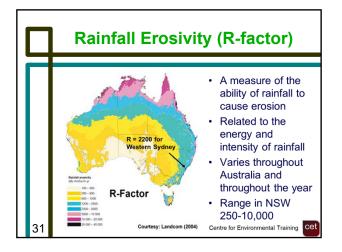


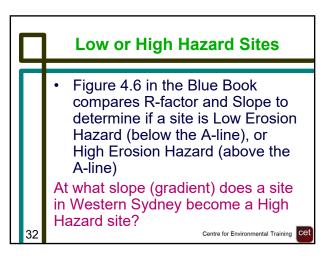






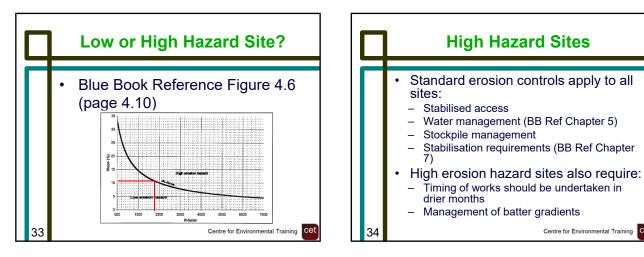


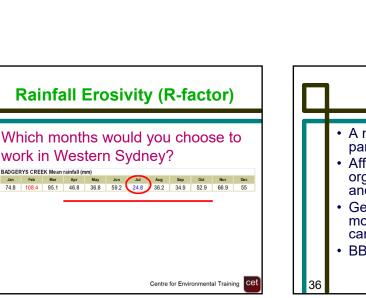




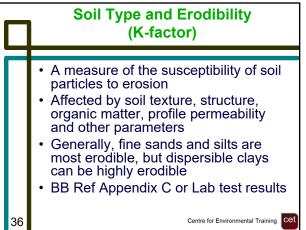
High Hazard Sites

Centre for Environmental Training Ce



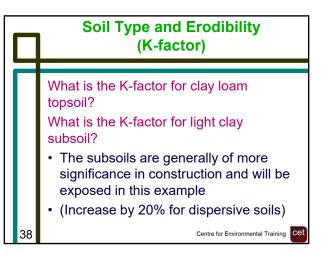


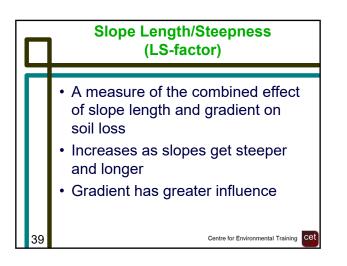
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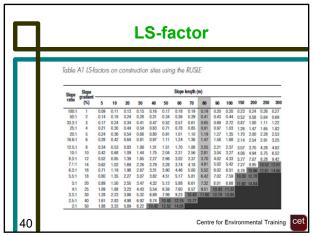


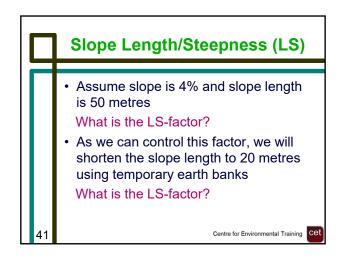
ce

| | K-factors (after Rosewell | | | | | | |
|----------------|---------------------------|------------------------------------|-------------------------|--------------------------------------|--|--|--|
| Table | E4 Default calls | rodibility K-factors based on soil | 199 | 93) | | | |
| Soil tes | | Estimated clay content (%) | K-factor ^[1] | | | | |
| Sand | S | < 10 | 0.015 | | | | |
| Clayey sand | CLS | 5-10 | 0.025 | | | | |
| Loamy sand | LS | 5-10 | 0.020 | | | | |
| Sandy loam | SL | 10-15 | 0.030 | | | | |
| Fine sandy k | am FSL | 10-20 | 0.035 | | | | |
| Sandy clay k | xam SCL | 15-20 | 0.025 | | | | |
| Loam | L | about 25 | 0.040 | | | | |
| Loam, fine si | andy Lfsy | about 25 | 0.050 | | | | |
| Silt loam | SL | about 25 and more than 25% silt | 0.055 | | | | |
| Sandy clay k | am SCL | 20-30 | [0.043] | | | | |
| Clay loam | CL | 30-35 | 0.030 | | | | |
| Silty clay loa | m SiCL | 30-35 and more than 25% silt | 0.040 | | | | |
| Fine sandy o | lay loam FSCL | 30-35 | 0.025 | | | | |
| Sandy clay | SC | 35-40 | 0.017 | | | | |
| Silty clay | SIC | 35-40 and more than 25% silt | 0.025 | | | | |
| Light clay | LC | 35-40 | 0.025 | | | | |
| Light medium | n day LMC | 40-45 | 0.018 | | | | |
| Nedium clay | MC | 45-55 | 0.015 | Centre for Environmental Training | | | |
| 37 Heavy clay | HC | > 50 | 0.012 | Centre for Environmental Training Ce | | | |





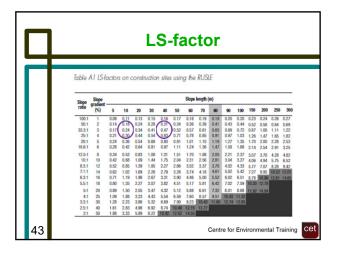


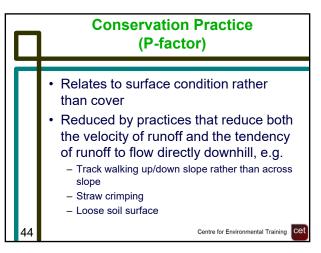




3.7

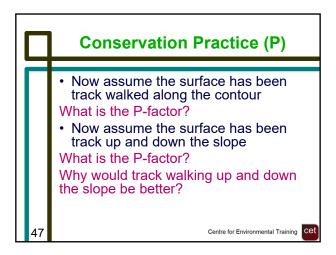
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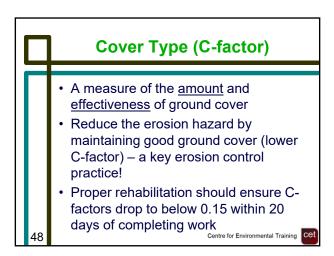






| able A2 P-factors for construction sites (Goldman et al., 19 | 186) \V |
|--|---------|
| Surface condition | P-facto |
| Compacted and smooth | 1.3 |
| Track-walked along the contour ^[6] | 1.2 |
| Track-walked up and down the slope ^[7] | 0.9 |
| Punched straw ^[8] | 0.9 |
| loose to 0.3 metres depth | 0.8 |





Peabody

| Q | Cover Type (C-factor) for Grass | | | | | |
|----|---|-----------------------------------|--|--|--|--|
| | Grass Cover | C-Factor | | | | |
| | No cover, soil smooth and compacted | 1.0 (High) | | | | |
| | 20% | 0.45 (Med) | | | | |
| | 50% | 0.15 (Low) | | | | |
| | 70% | 0.05 | | | | |
| | 100% | < 0.01 | | | | |
| 49 | | Centre for Environmental Training | | | | |

