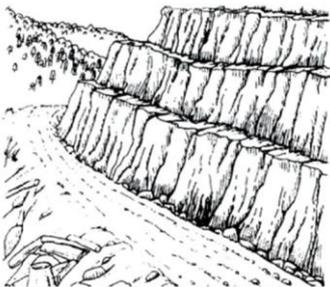


Slope Stabilization Card Sort



Mesh Curtains

This technique involves the covering of a slope with a flexible wire wrap. It increases resistance force and contains rock falls and the movement of unconsolidated material. Ideal for close proximity to roads and settlements and relatively low cost.



Bench Steps

Used to stabilise steep slopes. One of the most effective means of protection against rock fall. These are simply horizontal parts of land cut into deep soil. Requires engineering and considered by some as ugly scars on the landscape.



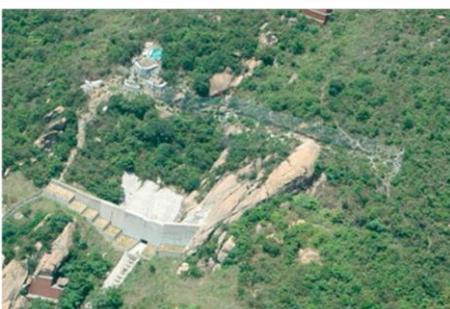
Gabion Fences

These are used to increase stability. These are box-like structures fabricated from wire mesh, holding cobble-sized rock. Their simple structure and low cost make them highly useful and effective creations.



Flexible Barriers

These are formed of steel ring nets mounted between horizontal steel ropes spanning between steel posts and anchored into the ground. Effective for rockfalls and landslides, they are easy to install on steep slopes and less visually intrusive.



Concrete Barriers

These are costly interventions and require considerable engineering. Typically, they form a solid barrier at the toe of a slope to increase stability and resistance. They may be combined with debris flow channels.



Soil Nails

This involves steel reinforcing bars drilled into the ground. The technique is versatile making it adaptable to the physical constraints of the slope. Because of their close spacing, they can reduce the vulnerability of the slope to undetected weak geological zones



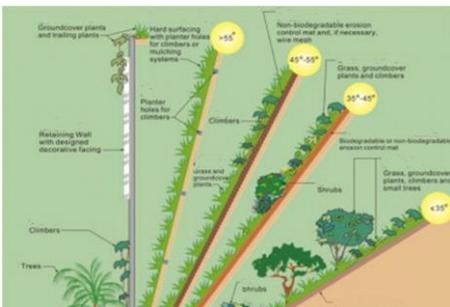
Slope Grillage

This technique is a simple metal cover made up of a grid pattern of bars. It is used to provide stability to the surface layer of the slope. It's cost effective and not environmentally intrusive, retaining the tree coverage of the slope



Greened Toe barrier

A method used to reduce the environmental and visual impact of concrete barriers and mesh barriers at the toe of a slope



Appropriate Planting

This strategy is cost effective and improves the environmental conditions of the slope. It can be used in combination with other methods. Careful consideration is of the angle of the slope to avoid over weighting



Slope Drainage

A costly hard-engineered strategy that reduces the moisture content of slopes, increasing its natural resistance and reducing slope weighting.