

Erosion Control and Rehabilitation

Soil Conservation Service has proven experience in the successful rehabilitation of a wide range of degraded areas including bushland, rural properties, road batters, quarries, salt scalded areas, active and derelict mines, school grounds, garbage tips and beach dunes. We use a combination of proven measures to re-vegetate large areas and difficult sites, such as:

- detailed survey and site assessment
- works to control drainage and erosion
- treatment to increase infiltration and retain soil moisture
- land shaping and stabilisation
- soil amelioration and re-vegetation with native or exotic species as required
- post works - stock and land use management recommendations.

Mine and construction site rehabilitation

With increasing pressure on industries to reduce the environmental impact of their operations and to rehabilitate disturbed areas, mining and construction companies are turning to Soil Conservation Service to provide an effective rehabilitation solution. An example of our work is the stabilisation of a series of derelict mines at Barraba, near Inverell. The success of this project was critical due to significant sulphide deposits generated by the mines.

Work involved:

- cutting benches into the open-cut area to direct water through the site
- excavating, loading and transporting ore material for burial at the open-cut site
- constructing three sediment ponds at the bottom of the open-cut site to capture and contain eroded materials.

Sand dune and coastline reclamation

The Australian coastline represents one of the world's most beautiful and sensitive environments. This environment is often severely impacted by development, stormwater, violent storms and recreational pressures.

Soil Conservation Service has spent decades working in this fragile environment developing and implementing programs involving vegetation restoration, dune formation and shaping works, repair of blow outs, and working with land managers to sustain public use.





Waterway and channel stabilisation

We have extensive technical and practical experience with the stabilisation of eroding rivers, creeks, streams, constructed canals and other unlined channels. We offer the following services:

- identification of causes of erosion and sedimentation
- selection of the most appropriate and cost effective revetment treatment
- preparation of revetment design plans, specifications and costings
- construction of rock revetment works
- geotechnical assessment of site stability
- advice on all aspects of site re-vegetation
- installation of erosion and sediment control works associated with revetment treatment.

Batters and drains

Excavated batters and drains can become prone to erosion from stormwater runoff and strong winds if left exposed. Our prevention methods include:

- site investigation and preparation of erosion and sediment control plans
- selection, design and implementation of stormwater and sediment management measures
- re-vegetating batters and/or lining drains to provide long-term stability.

Service and utility easements

Electricity, gas, water, sewerage and telecommunications are some of the services that are distributed within easements that traverse urban and rural landscapes. We can help minimise environmental impacts within easements through:

- design and implementation of erosion control, re-vegetation and rehabilitation works
- soil and water management plan preparation
- environmental assessments (e.g REF and SEE)
- preparation of environmental audits and easement condition reports
- providing VETAB accredited training in erosion and sediment control
- clearing of vegetation
- compliance with environmental regulations
- protection of service and utility infrastructure
- minimising visual impact on the environment.

Gully control structures

A gully is caused by water flowing in a concentrated area that is not sufficiently protected by permanent grass cover. We employ a number of gully filling and shaping practices to control and divert water run-off. This brings back unproductive areas and improves efficient land use and access.

Want to know more?

For more information please contact your nearest Soil Conservation Regional Manager. Go to www.scs.nsw.gov.au for office locations and contact details.



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