



## **CPSS and CPESC**

Landloch is proud of its quality science and values' ethics. This is validated by the continuing professional development of our staff and accreditations they earn within the industry.

Several of our Certified Professional in Erosion and Sediment Control (CPESC) team members are also Certified Professional Soil Scientists (CPSS) and apply additional soil science knowledge to the field of erosion and sediment control when designing comprehensive rehabilitation solutions.

### **Certified Professional Soil Scientists (CPSS)**

Soil science is a specialised discipline and critical to all activities that disturb, degrade and eventually rehabilitate soil. In Australia, there are relatively few soil scientists and many projects experience unnecessary costs, delays or failures, as well as the potential of breaching regulatory requirements, due to their inability to access competent advice on soil assessment and management.

The Certified Professional Soil Scientist (CPSS) scheme is used by Soil Science Australia as a means of ensuring high levels of competence and ethical behaviour among soil professionals. It recognises the educational qualifications and professional competencies required of a professional soil scientist. Accreditation as a CPSS requires applicants to satisfy the Standards for Professionals in Soil Science, comply with the Society's Code of Ethics and Rules of Conduct and demonstrate a commitment to continuing professional development.

A number of Landloch's consulting staff have earned CPSS accreditation. This reflects their individual training, experience and professionalism, and collectively demonstrates Landloch's commitment to quality soil management.

In the near future, the CPSS scheme will recognise specific competence in Soil Survey and in Soil Erosion Assessment and Management. Landloch expects that most or its entire CPSS-accredited staff will achieve recognition in one or both of those competence areas.

### **Certified Professional in Erosion and Sediment Control (CPESC)**

Erosion and sediment control is a specialised field which crosses many disciplines. When erosion and sediment control is poorly planned and implemented, the outcome can be asset damage, land degradation, water pollution and litigation. Expensive rework is often necessary.

Industry and regulators require evidence of professional competence for erosion and sediment control professionals. Certified Professional in Erosion and Sediment Control (CPESC) is the internationally recognised certification for erosion and sediment control professionals.

In Australia, the CPESC program is administered by the International Erosion Control Association (IECA Australasia) for Envirocert International. There are two levels of CPESC in Australia, CPESC Associate and CPESC. CPESC Associate represents erosion and sediment control professionals who pass the qualifying examination, meet the educational and ethical requirements but do not have the professional experience to qualify as a CPESC. A CPESC certified member meets all standards and requirements.



Landloch have a team of CPESC's and CPESC Associates, enabling the service provided to match the client's needs. Staff experience ranges from two to twenty five years and one of our team members has had a lead role in developing CPESC in Australia since the mid 1990's and is the representative of Region 10 for Envirocert International.

Effective erosion and sediment control, revegetation and the development of practical site specific solutions are accomplished by Landloch CPESC's for their clients. Landloch's team of industry recognised CPESC's have a proud history of working with clients to implement best practice erosion and sediment control, through all phases of project delivery and across a wide range of industries.

Specialist services provided by CPESC staff include:

- Erosion and Sediment Control Plan development;
- Erosion and Sediment Control design;
- On-ground implementation of Erosion and Sediment Control Plans;
- Erosion and Sediment Control Plan audits;
- Site inspection and compliance audits;
- Identification, treatment and management of dispersive soils;
- Training;
- Treatment and management of high suspended loads in runoff; and
- Expert witness services.

Our CPESC qualified team provides clients with a comprehensive range of erosion control, sediment control, and revegetation services from the concept phase to on-ground implementation and training.

Landloch can employ both CPSS and CPESC accredited staff and offer wide ranging and comprehensive skills on soil characterisation and assessment, land remediation, ecosystem development and erosion and sediment management, to ensure the advice provided achieves optimal outcomes for the client.