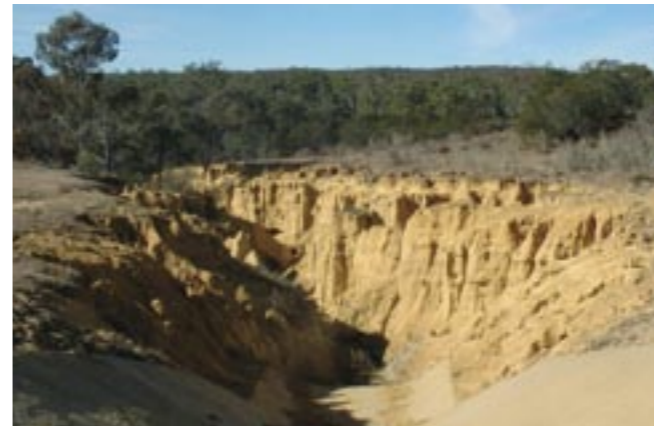




Project Management, Planning and Assessment



The raft of environmental legislation now in place throughout Australia means that development of any kind undergoes a very extensive and comprehensive review before consent is issued. Soil Services has over 60 years experience in project management, land resource assessment and planning in NSW and is ideally placed to assess and prepare environmental management plans for land managers and developers.

Services range from assisting landholders to comply with the Native Vegetation Conservation Act to designing and implementing soil and water management plans for developers. When it comes to planning, reviewing or implementing land development projects, whether large or small, we have the knowledge and experience to ensure the job is cost-effective and environmentally sound.

Project Management

Soil Services' practical skills implementing environmental projects are well recognised. We frequently project manage large development/rehabilitation projects using a range of external and internal resources. We are happy to partner or fully implement projects in-house to suit client requirements.

Soil Surveys and Soil Landscape Mapping

Soil Services has a strong tradition of resource mapping. We can produce maps specific to your requirements including:

- Soil type
- Landform features
- Infrastructure (roads, fences, power lines)
- Vegetation types
- Erosion hazards
- Recommended remedial works (contour banks, waterways, gully control structures etc)
- Remote sensing applications

Maps can be produced at the property scale or larger and are tailored to meet your needs. Reports can accompany these maps addressing any land management issues of concern to you.

Land Degradation Assessment, Planning and Remediation

Soil Services has the technology and practical expertise to provide an objective assessment of your land degradation problems. Using aerial photograph

interpretation, satellite imagery, sample data, existing knowledge and field inspection, we can map the extent and types of land degradation on your property anywhere in the state. Our expertise is tailored to assist land owners and management authorities to monitor, control and improve the status of their land.

Land degradation may be natural or man made.

Examples of both include:

- sheet and rill erosion;
- gully erosion;
- mass movement;
- wind erosion;
- dryland seepage salinity;
- irrigation salinity;
- scalding;
- induced soil acidity;
- soil structure breakdown; and
- soil infertility.

Our assessment reports address the specific issues relevant to your property. For farmers these may include the necessary steps to be taken to rectify problem sites and protect vulnerable or high value areas whilst, at the same time improving yields from the productive areas of your property.

For land management agencies and corporations, maps can identify assets such as access tracks, water storages and easements, along with threats to those assets such as erosion and potential fire risks. Our reports are developed not just from air photo interpretation, but also ground inspections by our officers. This allows us to accurately formulate solutions to potential and existing problems and determine likely costs to carry out protection or remedial works.

Catchment and Property Management

Soil Services is widely recognised as a leader in property planning and the development of practical sustainable land use practices. Our skills are increasingly being used by land management agencies and corporations keen to develop their assets in a sustainable and environmentally responsible manner. Typical plans produced by Soil Services include:

- erosion and sediment control plans;
- soil and water management plans;
- project specific environmental plans;
- property plans;
- rehabilitation plans;
- land management plans; and
- acid sulphate plans of management.

Our plans are backed by skilled operational teams, located throughout NSW, able to implement any of the recommendations made in such plans.

Land Capability Studies

Using the land to its capability is the key to sustainability. Soil Services can evaluate and classify the physical attributes of the landscape and assess limitations to land use. This evaluation process may be enhanced by detailed land inventory and hazard identification to provide recommendations for land use planning. The high standard of our work is acknowledged by state and local government authorities, educational institutions, consultants, and community members who use this interpretive information for their own planning purposes with:

- rural and urban land capability studies and mapping;
- land evaluation for specific purpose development;
- soil landscape mapping;

- farm planning for soil erosion control and agricultural production; and
- property resource plans for semi-arid rangelands.

Environmental Impact Statements

Soil Services provides a comprehensive range of skills in environmental review and reporting. Our experience extends from large projects such as highway or railway alignments down to small scale developments requiring environmental reviews by Councils (e.g. individual house sites in sensitive locations).

We can also undertake specific purpose inventory studies documenting and evaluating environmental hazards or existing land degradation problems. This information can be used in planning both large and small scale developments, to ensure the least possible impact on the environment. Typical products include:

- soil erosion assessments;
- land degradation and land use mapping;
- assessments of damage following natural disasters such as floods or bushfires;
- site stability assessments; and
- vegetation analysis

Environmental Engineering

Soil Services has the capability to plan, design, survey and implement major environmental programs. We own and operate an extensive fleet of heavy earthmoving machinery, with set-up and stand-alone teams located throughout regional NSW. These skilled teams specialise in the use of soft engineering options wherever possible.

The use of in-situ materials such as rocks, logs and vegetation instead of concrete can result in a more

aesthetically pleasing solution often at less cost. Our expertise in using natural materials is reflected in the successful completion of a range of projects – both in Australia and overseas.

Want to know more?

For more information on how we can help you with your environmental engineering projects, please contact your nearest Soil Services division area manager (below) or visit our website on www.lands.nsw.gov.au

Northern Area Manager

Garry Chapman
T 02 6764 5126
M 0429 304 341
E garry.chapman@lands.nsw.gov.au

Eastern Area Manager

Mike Fletcher
T 02 4960 5150
M 0411 160 990
E michael.fletcher@lands.nsw.gov.au

Central Area Manager

Col Adams
T 02 6393 4360
M 0417 066 586
E col.adams@lands.nsw.gov.au

Southern Area Manager

Guy Van Owen
T 02 4868 3744
M 0407 079 590
E guy.vanowen@lands.nsw.gov.au

