

# Environmental Scientist

Environmental scientists study, develop, implement and advise on policies and plans for managing and protecting the environment, flora, fauna and other natural resources.

## Job title examples



- Conservation Officer/ Policy Officer/ Project Officer/ Development Assessment Officers
- Environmental Officer / Environmental Policy Analyst/ Technical Officer
- Environmental Health Officer
- Park Ranger / Field Officer

Other jobs in this field of work involve performing analytical, conceptual and practical tasks in relation to the chemical and physical properties of living organisms and the environment such as agricultural, fisheries, forestry, water, soil and air scientists.

## Other jobs in this field of work

## What environmental scientists do



- evaluate habitat, wildlife and fisheries needs, and formulate short and long-term management goals and objectives
- enforce laws and regulations to conserve and protect fish and wildlife
- carry out environmental impact assessments for a wide range of development projects
- assess and identify solutions to address negative environmental impact
- study the effects of factors, such as terrain, altitude, climatic and environmental change, sources of nutrition, predators and the impacts of humans, on animal and plant life and aquatic systems
- study and analyse pollution, atmospheric conditions, demographic characteristics, ecology, mineral, soil and water samples
- develop conservation and management policies for biological resources, such as fish populations and forests, and establish standards and develop approaches for the control of pollution and the rehabilitation of areas disturbed by activities such as mining, timber felling and overgrazing
- implement policies and organise activities in designated parks and other

areas to conserve and protect natural and cultural heritage

- participate in management planning by providing environmental information to relevant stakeholders and make

inventories of plants, animals and items of cultural and heritage significance

## Main employing industries



- Agriculture, Forestry and Fishing
- Mining
- Electricity, Gas, Water and Waste Services
- Construction
- Professional, Scientific and Technical Services
- Public Administration and Safety
- Arts and Recreation Services

## Qualifications



The following government subsidised qualifications are available in NSW:

**Diploma of Conservation and Land Management** available as a qualification

**Diploma of Community Coordination and Facilitation** available as a qualification

**Advanced Diploma of Conservation and Land Management** available as a qualification

**Course fees:** You may be eligible for government subsidised training under Smart and Skilled. Go to the [Course Finder](#) to find training in your area, estimate your fee and find a training provider.

## Job prospects and pay



- There are around 5,064 environmental scientists working in NSW.
- Over the next four years, employment in this occupation is expected to remain stable in NSW.

### Average weekly full time earnings (before tax):

- Environmental scientists: \$1,519
- All occupations: \$1,200

## Related jobs



- Agricultural and Forestry Scientist

To find out more about other jobs, visit the [Job Guides Homepage](#).

### Information sources

Occupations: Australian Bureau of Statistics, Australian and New Zealand Standard Classification of Occupations, 1220.0

Employment: Australian Bureau of Statistics, Labour Force, Australia, Detailed, Quarterly, 6291.0.55.003

Skills shortages: Department of Employment, Skill Shortage List NSW 2015-16

Job prospects: Centre of Policy Studies (CoPS), Victoria University, Employment Forecast Data for NSW 2015/16 to 2022/23

Earnings: Department of Employment, [joboutlook.gov.au](http://joboutlook.gov.au), based on ABS Characteristics of Employment Survey, August 2014