

## Recreational areas and activities

- 55 - Swimming pools
- 67 - Outdoor events in PDWSAs
- 81 - Tracks and trails near sensitive water resources
- 82 - Bridle trails near sensitive water resources
- 100 - Motor sport facilities near sensitive water resources

## Residential areas

- 19 - Hydroponic plant growing
- 21 - Iron staining caused by irrigation systems
- 22 - Irrigation with nutrient rich wastewater
- 48 - Water supplies for rural lots (non-potable use)
- 50 - Soil amendment using industrial by-products to improve land fertility
- 53 - Dam construction and operation in rural areas
- 70 - Wastewater treatment and disposal: domestic systems

## Waste management

### Landfills

- 24 - Landfilling with inert materials
- 26 - Liners for containing pollutants using synthetic membranes
- 27 - Liners for containing pollutants, using engineered soils
- 111 - Landfills for disposal of putrescible materials

### Waste and wastewater

- 22 - Irrigation with nutrient rich wastewater
- 39 - Ponds for stabilising organic matter
- 51 - Industrial wastewater management and disposal
- 70 - Wastewater treatment and disposal: domestic systems
- 99 - Cooling tower wastewater management and disposal

## Water supply, treatment and monitoring

- 09 - Community drinking water sources: protection and management
- 21 - Iron staining caused by irrigation systems
- 30 - Groundwater monitoring bores
- 31 - Sub-soil monitor drains and water recovery sumps
- 41 - Private drinking water supplies
- 48 - Water supplies for rural lots (non-potable use)
- 53 - Dam construction and operation in rural areas
- 89 - Remote drinking water sources: self-supplied indigenous communities

## Want to know more?

The locations of many sensitive water resources are shown online at [www.water.wa.gov.au](http://www.water.wa.gov.au) >Tools and data > Maps and atlases > Geographic data atlas, then view our interactive geographic data atlas, select and expand layers on the left, then use the menu bar to scale and navigate.

Online information about sensitive water resources and protection measures is also available at:

[www.dec.wa.gov.au](http://www.dec.wa.gov.au)  
[www.epa.wa.gov.au](http://www.epa.wa.gov.au)  
[www.swanrivertrust.wa.gov.au](http://www.swanrivertrust.wa.gov.au)

For online information on land use and more see:  
[www.walis.wa.gov.au](http://www.walis.wa.gov.au) see WA Atlas.

We welcome your thoughts and suggestions on our publications. We aim to regularly update them and make them as useful as practical. Your feedback helps us protect our precious water resources.

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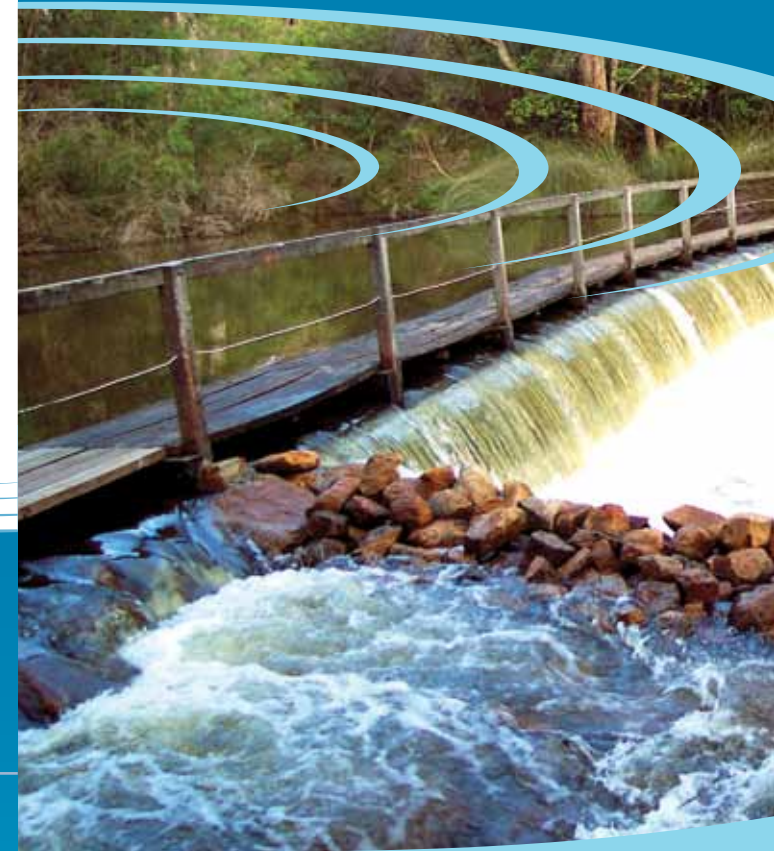
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Government of **Western Australia**  
Department of **Water**

# Water quality protection notes: list of topics



*Looking after all our water needs*

Water Quality Awareness

December 2011

## Water quality protection notes

The Department of Water publishes water quality protection notes (WQPNs) to present considered views on water issues, catchment land use and best environmental management practice. They offer solutions to manage contamination risks to water resources.

WQPNs are neither policy documents nor regulatory instruments. Instead, they provide upfront information and good examples on how the department may respond to a topic.

WQPNs are available on our website <[www.water.wa.gov.au](http://www.water.wa.gov.au)> select [Publications](#) > [Find a publication](#) > [Series browse](#) > [Water quality protection note](#).

The department also works with other agencies, in consultation with industry groups, to publish a range of environmental guidelines. These are also available on our website <[www.water.wa.gov.au](http://www.water.wa.gov.au)> select [Publications](#) > [Find a publication](#) > [Series browse](#) > [Water quality protection guidelines](#).

## Public drinking water source areas

A number of WQPNs cover issues specific to public drinking water source areas (PDWSAs). Our drinking water comes from a variety of surface catchments (such as dams and reservoirs) and groundwater resources (bores) across WA. The Department of Water identifies and protects PDWSAs to safeguard the availability and quality of our limited drinking-water supplies, so we can enjoy reliable, safe, good quality drinking water.



## Notes relevant to a range of topics

- 06 - Vegetation buffers to sensitive water resources
- 10 - Contaminant spills: emergency response
- 13 - Dewatering of soils at construction sites
- 65 - Toxic and hazardous substances: storage and use

## Agriculture and forestry

### Animals

- 02 - Aquaculture (fish and crustaceans)
- 12 - Dairy processing plants
- 35 - Pastoral activities within rangelands
- 48 - Water supplies for rural lots (non-potable use)
- 53 - Dam construction and operation in rural areas
- 68 - Mechanical equipment washdown
- 80 - Stockyards
- 96 - Pest animal management in PDWSAs
- 98 - Rural abattoirs
- 104 - Aerial spraying of crops with pesticides

### Forestry

- 68 - Mechanical equipment washdown
- 96 - Pest animal management in PDWSAs

### Plants

- 01 - Agriculture: dryland crops near sensitive water resources
- 02 - Aquaculture (plants and algae)
- 17 - Floriculture activities near sensitive water resources
- 19 - Hydroponic plant growing
- 22 - Irrigation with nutrient rich wastewater
- 32 - Nurseries and garden centres
- 33 - Nutrient and irrigation management plans
- 34 - Orchards near sensitive water resources
- 48 - Water supplies for rural lots (non-potable use)
- 50 - Soil amendment using industrial by-products to improve land fertility
- 53 - Dam construction and operation in rural areas
- 68 - Mechanical equipment washdown
- 96 - Pest animal management in PDWSAs
- 101 - Tropical agriculture
- 104 - Aerial spraying of crops with pesticides

## Chemical management and use

- 56 - Tanks for elevated chemical storage
- 58 - Tanks for temporary elevated chemical storage
- 60 - Tanks for mobile fuel storage in PDWSAs
- 61 - Tanks for ground level chemical storage
- 62 - Tanks for underground chemical storage
- 64 - Tanks: closure of underground chemical storage
- 65 - Toxic and hazardous substances: storage and use
- 104 - Aerial spraying of crops with pesticides

## Commerce and industry

### Commerce, services and industry

- 07 - Chemical blending
- 12 - Dairy processing plants
- 15 - Extractive industries near sensitive water resources
- 20 - General and heavy industry near sensitive waters
- 23 - Laboratories
- 28 - Mechanical servicing and workshops
- 32 - Nurseries and garden centres
- 42 - Radiator repair and reconditioning
- 47 - Pest control depots
- 49 - Service stations
- 51 - Industrial wastewater management and disposal
- 52 - Stormwater management at industrial sites
- 73 - Wineries and distilleries
- 93 - Light industry near sensitive waters
- 98 - Rural abattoirs

### Hospitality & tourism

- 70 - Wastewater treatment and disposal: domestic systems
- 79 - Rural restaurants, cafés and taverns near sensitive water resources
- 88 - Rural tourist accommodation

### Mining & mineral processing

- 15 - Extractive industries near sensitive water resources
- 28 - Mechanical servicing and workshops
- 68 - Mechanical equipment washdown

## Land planning and development

- 25 - Land use compatibility in PDWSAs
- 44 - Roads near sensitive water resources
- 54 - Rezoning and subdivision of land in PDWSAs
- 76 - Land use planning in PDWSAs
- 83 - Infrastructure corridors near sensitive water resources
- 108 - PDWSAs of Western Australia: a register of drinking water catchments within each local government municipality

## Protecting PDWSAs

- 36 - Protecting PDWSAs
- 75 - Proclaimed PDWSAs
- 77 - Risk assessment of PDWSAs
- 78 - The Australian drinking water guidelines 6, 2004: an overview
- 84 - Rehabilitation of disturbed land in PDWSAs
- 87 - Identification, assessment and protection of PDWSAs