



**Australian Government**

# **NWPCAD016 Operate and maintain fishways**

**Release: 1**

# NWPCAD016 Operate and maintain fishways

## Modification History

Release 1. This is the first release of this unit of competency in the NWP National Water Training Package.

## Application

This unit involves the skills and knowledge required to operate and maintain fishways.

It includes operating and maintaining automated and manual fishways by regulating flows into fishway channels, including handling and disposing of fish.

This unit applies to field staff with the responsibility for operating fishways in remote locations. Those undertaking this unit will work independently under appropriate supervision while performing routine tasks in a range of familiar contexts.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

## Pre-requisite Unit

Not applicable.

## Competency Field

Catchment and Dams

## Unit Sector

Not applicable.

## Elements and Performance Criteria

### ELEMENTS

Elements describe the essential outcomes.

#### 1 Prepare work

### PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

**1.1** Determine and apply the operational rules for the fishways from design reports

**1.2** Perform worksite check to identify upstream flows entering the weir

- |                                |            |   |
|--------------------------------|------------|---|
|                                | <b>1.3</b> | Plan gate opening and gate operations to ensure optimum fish attraction flows |
|                                | <b>1.4</b> | Develop plans for the maintenance of the fishways                             |
| <b>2 Operate the fishways</b>  | <b>2.1</b> | Regulate weir and fishway gates to maintain fish attraction flows             |
|                                | <b>2.2</b> | Identify, sort and record fish species and numbers                            |
|                                | <b>2.3</b> | Collect samples and conduct tests according to workplace procedures           |
|                                | <b>2.4</b> | Identify operational faults in the fishway according to workplace procedures  |
| <b>3 Maintain the fishways</b> | <b>3.1</b> | Inspect the fishway channel and identify maintenance needs                    |
|                                | <b>3.2</b> | Test equipment and schedule maintenance tasks according to maintenance plan   |
| <b>4 Finalise work</b>         | <b>4.1</b> | Monitor and record water flow and complete relevant documentation             |
|                                | <b>4.2</b> | Collect fishway data from inspections and monitoring points                   |
|                                | <b>4.3</b> | Compile reports from the fishway data and report to relevant persons          |

## Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

## Unit Mapping Information

This unit replaces and is equivalent to NWPSOU032 Operate and maintain fishways.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=26336bc0-04e5-49d9-8c31-46c49b6a0037>

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