



Australian Government

NWPSOU030 Inspect and report river performance

Release: 1

NWPSOU030 Inspect and report river performance

Modification History

Release	Comments
1	This unit was released in NWP Water Training Package release 1.0 and meets the Standards for Training Packages. • New unit, created drawing upon information from deleted units NWP324B and NWP419B

Application

This unit describes the skills required to inspect and report on river flow performance including flood plains and river environment. This includes monitoring river conditions, water quality, maintaining integrity of the bank, regulating and monitoring flows.

This unit applies to field staff with the responsibility of inspecting rivers.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to.

Those undertaking this unit would work under supervision, performing routine tasks, in familiar contexts.

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

Competency Field

Source

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section.
1. Establish river performance requirements	1.1 Establish legislative and organisational requirements. 1.2 Establish the river conditions. 1.3 Identify environmental factors that impact on water flows and quality.

2. Inspect and monitor performance	2.1 Schedule and conduct routine inspections of rivers or waterways. 2.2 Monitor water quality and flows of rivers. 2.3 Determine adjustments required to flows based on hydraulics and environmental factors. 2.4 Apply system adjustments to ensure that system performance meets organisational and statutory requirements.
3. Report on river performance	3.1 Collect, interpret and report on process data. 3.2 Compile river data report. 3.3 Report observations outside defined parameters for further action.

Foundation Skills

The foundation skills demands of this unit have been mapped for alignment with the Australian Core Skills Framework (ACSF). The following tables outline the performance levels indicated for successful attainment of the unit.

ACSF levels indicative of performance:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Learning					Reading					Writing					Oral communication NA					Numeracy				

Performance variables:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Support					Context					Text complexity					Task complexity				

Further information on ACSF and the foundation skills underpinning this unit can be found in the Foundation Skills Guide on the GSA website.

Unit Mapping Information

No equivalent unit.

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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Assessment Requirements for NWPSOU030 Inspect and report river performance

Modification History

Release	Comments
1	These Assessment Requirements were released in NWP Water Training Package release 1.0 and meet the Standards for Training Packages.

Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- interpreting plans, charts and instructions, policies, procedures and standards
- identifying water flow, water quality and water quantity requirements
- identifying performance measures for the resource and operations
- coordinating river flow adjustments
- taking pictures of deficiencies, problems
- locating requirements
- interpreting relevant standards and legislation
- recording data
- assessing water levels
- planning inspection
- conducting a risk assessment
- preserving own safety when conducting the inspection

Knowledge Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the depth of knowledge demonstrated must be appropriate to the job context of the candidate.

- system flows or transit times
- system layout and processes
- environmental aspects of river systems
- risk factors and potential hazards involved with river systems
- equipment operation, capacity and limitations
- river conditions, what is the norm
- river systems flow regimes

- WHS
- effects of weather and conditions on operation of river systems

Assessment Conditions

Competency should be assessed in an actual workplace or in a simulated environment, with access to equipment and infrastructure appropriate to the outcome. Competency should be demonstrated over time to ensure the candidate is assessed across a variety of situations.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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