

Modification history

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 6.0.

FWPCOT3XXX	Comply with soil and water protection
Application	<p>This unit of competency describes the skills and knowledge required to carry out soil erosion and sediment control works and pollution prevention measures.</p> <p>The unit applies to those who implement erosion, sediment control and pollution prevention measures in a variety of work settings, including in forest, horticultural, domestic, local council and emergency services environments.</p> <p>The unit applies to forestry technicians, nursery technicians, forestry operations supervisors, tree planters, silviculturists, arboriculture technicians and mobile equipment operators.</p> <p>All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.</p> <p>No licensing, legislative, regulatory, or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Forest Growing and Management Harvesting and Haulage

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for work	1.1 Review work order or instruction to determine job requirements and where required, seek clarification from appropriate personnel 1.2 Review workplace health and safety procedures, including the use of personal protective equipment and safe manual handling techniques 1.3 Identify, assess and take actions to mitigate risks and hazards associated with soil and water protection operations 1.4 Identify workplace environmental protection procedures for soil and water protection operations, minimising and disposing of waste material, cleaning tools and equipment, and minimising impact of operations on environmental assets 1.5 Identify and report existing and potential environmental risks and hazards to relevant personnel 1.6 Consult and maintain communication with team members and other appropriate personnel to ensure that work is coordinated effectively with others in the workplace 1.7 Obtain tools and equipment needed for the work and check for correct operation and safety
2. Conduct erosion and other pollutant control measures	2.1 Identify soil characteristics, weather conditions, environmental features and other factors likely to influence soil and water protection measures 2.2 Select and use materials, equipment and machinery in line with regulatory requirements 2.3 Apply erosion, sediment and other pollution control measures in line with forest operational plans 2.4 Identify situations requiring specialist advice and seek assistance 2.5 Document and report work activities

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
3. Monitor work practices that impact on soil and water conditions	3.1 Monitor and make recommendations to adjust work practices to meet changing soil and water conditions 3.2 Monitor and maintain soil erosion and sediment control works and pollution prevention measures according to workplace requirements 3.3 Identify and report work practices that are non-compliant with soil and water protection requirements to appropriate personnel 3.4 Identify and make recommendations on ways of improving work practices to enhance soil and water protection 3.5 Make recommendations for updating forest operational plan and workplace procedures to enhance soil and water protection as required

Foundation Skills	
<i>This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Read and interpret workplace documentation including legislation, Codes of Practice and reports
Writing	<ul style="list-style-type: none"> Complete basic written records for soil and water protection operations, equipment faults and maintenance requirements
Oral communication	<ul style="list-style-type: none"> Select and use appropriate spoken communication strategies with work colleagues and other personnel on site
Numeracy	<ul style="list-style-type: none"> Complete routine calculations to report on location and dimensions of soil and water protection operations Read and interpret graphical information on soil and water conditions

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3XXX Comply with soil and water protection	FWPCOT3258 Comply with soil and water protection		
Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47		

TITLE	Assessment requirements for FWPCOT3XXX Comply with soil and water protection
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has:</p> <ul style="list-style-type: none"> implemented either a soil or water protection procedure in an operational forest on one occasion following a work order or instruction that is consistent with workplace policy and procedures and current workplace health and safety legislation, regulations and related industry standards and codes of practice applicable to soil and water protection operations monitored work practices in one operational forest for consistency with soil and water protection requirements and made recommendations on ways of improving work practices to enhance soil and water protection. 	

Knowledge Evidence	
<p>An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:</p> <ul style="list-style-type: none"> regulations, standards, codes of practice and established safe practices for soil and water protection procedures, including the following applicable regulations from all levels of government that affect forest operations in relation to soil and water protection including: <ul style="list-style-type: none"> regional forest agreements relevant codes of practice forest operational plans workplace standards, requirements, policies and procedures relevant to soil and water protection techniques and measures relevant to erosion mitigation including the majority of the following: <ul style="list-style-type: none"> walk-over techniques minimal disturbance techniques crown and cross fall drainage cross bank drainage relief culverts on roads mitre and table drains on roads armouring/gravelling of roads crossing and draining surfaces batter stabilisation contour banks and channels gabions sediment basins riparian buffer zones outlet protection structures revegetation factors that are likely to influence soil and water protection measures including: <ul style="list-style-type: none"> track and road maintenance drainage structures setting of contour lines slope measurement techniques boundaries and survey markers site preparation techniques site cultivation techniques disposal of logging waste materials windrowing placement and techniques tree selection and felling techniques log dump locations and techniques log extraction and haulage techniques clearing techniques 	

Knowledge Evidence
<ul style="list-style-type: none"> • soil types • environmental features that can be adversely effected if soil erosion occurs, or if inundated with sediment of other pollutants including the majority of the following: <ul style="list-style-type: none"> • trees, understorey and other vegetation • drainage lines and drainage depressions • water course, creeks and rivers • lakes, swamps and wetlands • aquatic species • steep slopes • caves • historic and cultural heritage sites • road and water supply infrastructure • other pollution control measures including: <ul style="list-style-type: none"> • fuel containment barriers • chemical spillage barriers • containment and removal of waste, including rubbish litter and human waste • risks and hazard identification relevant to soil and water protection • established communication channels and protocols • procedures for recording and reporting workplace information.

Assessment Conditions
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions skills must be demonstrated in a workplace location or an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • tools and equipment required for soil and water protection operations • an operational forest • personal protective equipment used in soil and water protection operations • communication system • specifications <ul style="list-style-type: none"> • access to work order or instruction detailing soil and water protection operations to be carried out by operator • access to workplace policies and procedures which cover current workplace health and safety regulations and related industry standards and codes of practice applicable to soil and water protection operations • access to workplace policies and procedures which cover off on current Environment Protection Acts, regulations and related industry standards and codes of practice applicable to soil and water protection operations • access to workplace safety and environmental protection plans • access to site emergency procedure • access to workplace standard operating procedures or operator manuals for equipment used in soil and water protection operations. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>

Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47
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