



Australian Government

**Assessment Requirements for FWPSIL2004
Collect forest data or samples for
assessment and analysis**

Release: 1

Assessment Requirements for FWPSIL2004 Collect forest data or samples for assessment and analysis

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 7.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has:

- completed one forest data or sample collection task as described in a work order that sets out the sampling area, the purpose for data or sample collection, the type of data or samples to be collected and the data or sample collection method.
- the data or sample collected must relate to one or more of the following materials:
 - foliage
 - wood
 - soil
 - seeds
 - pollen
 - weeds
 - insects
- complied with environmental and safety standards, including use of personal protective equipment (PPE)
- recorded the results of the forest data or sample collection in a format suitable for assessment or analysis.

Knowledge Evidence

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:

- common purposes for collecting forest data or samples:
 - calculating volume of timber and residue
 - inventory control
 - stock count

- assisting with trials
- environmental assessment
- conducting pest and disease surveys
- documenting site factors
- cultural heritage
- methods used to identify boundaries and corners and for marking sample areas:
 - pegging
 - placing flags
 - placing balloons
 - spraying
- types of samples commonly collected, and techniques to collect and label:
 - foliage
 - wood
 - soil
 - seeds
 - pollen
 - weeds
 - insects
- typical stock defects and visual characteristics from the effects of:
 - pests
 - diseases
 - nutritional deficiencies
- typical hazards present in forest environments, and methods of minimising risks and moving through the environment safely:
 - slope
 - water
 - rock
 - undergrowth
 - slash
 - depressions and holes
 - falling or fallen branches
- format, content and use of documents used to record forest data and sample collection and methods used to record information for analysis
- purpose, features and safe operation of forest data and sample collection equipment:
 - measuring tape
 - callipers
 - measuring poles
 - paint
 - purpose-specific balloons
 - flags

- pegs
- mallet
- pruning shears
- sample containers
- digital equipment
- lasers
- Global Positioning System (GPS)
- drones
- workplace procedures specific to collecting data and samples:
 - workplace health and safety, with particular emphasis on use of PPE
 - communication reporting lines
 - recording and reporting data and sample collection.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a forest work environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - site for forest data or sample collection
 - tools, equipment and materials for forest data or sample collection
 - PPE suitable for forest data or sample collection
- specifications:
 - work order or instruction with specific instructions for forest data or sample collection
 - workplace health, safety and environmental policies and procedures applicable to forest data or sample collection
 - workplace procedures for forest data or sample collection.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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