



Australian Government

FWPFGM2206 Collect data or samples for assessment

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPIFGM2206B Collect data or samples for assessment, was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to collect data and samples from specified areas for the purposes of assessment. Data and samples can be for a diverse range of items including foliage, wood, soil, seeds, pollen, weeds and insects. The unit includes interpreting maps and plans, marking the sample area, measuring aspects of the sample area, and recording the results in a format suitable for further analysis. Work is completed in a forest environment.

The unit applies to Forestry worker, Arboriculture worker, Farm forestry worker, Nursery worker

Plantation establishment worker, Plantation forest officer, Silviculturist

Licensing, legislative, regulatory, or certification requirements apply to this unit in some states & territories at the time of publication, and may differ according to jurisdiction

Pre-requisite Unit

Nil

Unit Sector

Forest Growing and Management

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>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.</i>
1. Prepare for	1.1 Review work order and where required check with appropriate

ELEMENTS	PERFORMANCE CRITERIA
sampling	personnel. 1.2 Identify purpose and requirements for sampling from work order. 1.3 Identify sample area from map, plan or work order and interpret relationship of sample area to whole area. 1.4 Select appropriate personal protective and other equipment and check for operational effectiveness.
2. Collect data or samples	2.1 Mark boundaries and corners for sample area using appropriate techniques. 2.2 Re-mark unclear or obliterated markings in line with organisational procedures. 2.3 Take measurements using appropriate equipment in line with organisational procedures. 2.4 Collect and label samples in line with work order.
3. Complete records	3.1 Record collected data or samples in line with organisational procedures. 3.2 Check results and rectify omissions and errors. 3.3 Submit samples and records for assessment in line with organisational procedures.

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:	- interpret numerical data and symbols on maps - complete sometimes complex calculations and record numerical data involving areas, ratios, percentages, volumes, lengths and diameters
Oral communication skills to:	ask open and closed probe questions and actively listen to clarify contents of work orders.
Reading skills to:	- interpret: - workplace health and safety and other organisational procedures - work orders - site plans and maps.
Writing skills to:	accurately label samples and complete basic routine records for data and samples.

Planning and organising skills to:	efficiently and logically sequence the stages of preparation and sampling work using work order to guide activities.
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Range of Conditions

Not Applicable

Unit Mapping Information

FPIFGM2206B Collect data or samples for assessment

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPFGM2206 Collect data or samples for assessment

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Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- Complete data and sample collection jobs in line with an individual work order prescribing different sampling areas, purpose for collection and type of data and samples to be collected
- across the above jobs, collect data for and samples of one or more of the following materials:
 - foliage
 - wood
 - soil
 - seeds
 - pollen
 - weeds
 - insects
- for each of the above jobs, record results of data and sample collection in a format suitable for analysis.

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- common purposes for collecting 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
- methods used to identify boundaries and corners and for marking 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 data and sample collection and methods used to record information for analysis
- purpose, features and safe operation of data and sample collection equipment:
 - measuring tape
 - callipers
 - measuring poles
 - paint
 - purpose-specific balloons

- flags
- pegs
- mallet
- pruning shears
- organisational procedures specific to collecting data and samples:
 - workplace health and safety with particular emphasis on use of personal protective equipment
 - communication reporting lines
 - recording and reporting data and sample collection.

Assessment Conditions

The following resources must be made available:

- measuring tools and instruments:
 - measuring tape
 - callipers
 - measuring pole
- marking tools and instruments:
 - paint
 - purpose-specific balloons
 - flags
 - pegs
 - mallet
- pruning shears
- sample collection container and labels
- personal protective equipment suitable for collecting data and samples
- work order with specific instructions for collecting data and samples
- relevant personnel for the purposes of communicating information
- maps for the area subject to data and sample collection
- documents, spreadsheets and commonly used proformas documents for recording data and sample collection
- organisational procedures for collecting data and samples.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence

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