



Australian Government

AHCPER501 Carry out permaculture field research

Release: 1

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Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to undertake field research relevant to permaculture systems and projects. It requires the ability to design technical and social field research, prepare for field research, conduct field research, assess research outcomes and report on research relevant to permaculture systems and projects.

All work is carried out to comply with workplace procedures.

This unit applies to individuals who analyse information and exercise judgement to complete a range of advanced skilled activities and demonstrate deep knowledge in a specific technical area. They have accountability for the work of others and analyse, design and communicate solutions to a range of complex problems.

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

Pre-requisite Unit

Nil.

Unit Sector

Permaculture (PER)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Scope permaculture field research	1.1 Identify challenges and opportunities in permaculture projects or systems that elicit research questions 1.2 Identify and justify the purpose of field research 1.3 Define and justify field research topic, question or hypothesis 1.4 Assess suitability of field research subject in relation to

Element	Performance criteria
	permaculture principles, practices and ethics
2. Design permaculture field research	2.1 Design field research plan 2.2 Identify relevant information sources and review relevant and credible literature related to the research topic 2.3 Determine appropriate research methods for data collection 2.4 Identify reference groups for field research, if applicable 2.5 Locate field research sites according to design requirements 2.6 Identify site factors where appropriate and incorporate into research 2.7 Create a budget for field research plan 2.8 Identify and obtain approvals and permits required
3. Prepare to conduct field research	3.1 Identify work health and safety hazards associated with the implementation of field research 3.2 Identify and document social and environmental implications associated with field research 3.3 Identify materials, tools, equipment and machinery required for field research, confirm cost and availability with suppliers, contractors and appropriate personnel 3.4 Establish and prepare field work sites for implementation of field research using the specifications of the field work design 3.5 Organise access to field research subjects at times and places suitable for data collection
4. Conduct field research	4.1 Undertake data collection throughout the course of field research according to the specifications of research design plan and chosen methodologies 4.2 Monitor field research for accuracy and compliance to research design 4.3 Record all research data accurately using the specifications of the research design
5. Assess practical application of research outcomes	5.1 Analyse research data for categories, themes, trends, patterns and significant information 5.2 Create quantitative and qualitative records of research data analysis 5.3 Synthesise research findings and draw conclusions based on evidence and reasoned arguments 5.4 Assess the meaning of research outcomes for practical application, based on conclusions drawn from the field research
6. Report field research findings	6.1 Determine desired actions from field research 6.2 Determine target audience for field research reporting 6.3 Draft research report and obtain feedback

Element	Performance criteria
	6.4 Publish and circulate field research report

Foundation Skills

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

Range of Conditions

Unit Mapping Information

New unit - equivalent to QLD125RCH01B.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>