

LANTw64 - SQA Unit Code H2NR 04

Carry out site surveys and communicate your findings



Overview

This standard is about conducting site surveys by counting, sampling and mapping and communicating your findings. Depending on the nature of the site and the planned establishment work, surveys may include:

- **surveys of plants:** the presence or abundance of a particular species (woody or non-woody), encroachment of undesired species, the effects of excluding grazing animals from a particular area
- **surveys of animals:** grazing pressure, presence of potential pest species
- **surveys of people:** visitor pressure, current site use
- **surveys of physical features:** status of boundary hedges, walls or fences; erosion problems
- **surveys of habitat types**
- **surveys of soil and growing conditions:** soil type and condition, site drainage, prevailing environmental conditions

You will work to a specification against which you would carry out the survey. You are expected to have an understanding of different survey methods. In most surveys you will be expected to use both primary and secondary sources of data

This standard is also about communicating the findings of surveys that you have carried out

This standard is relevant to those involved in conducting basic survey work

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Performance criteria

You must be able to:

- P1 clearly establish your role and responsibilities in the survey activity
- P2 select and use suitable survey techniques in accordance with the survey specification
- P3 collect **data** that meets the requirements of the survey specification
- P4 keep any necessary data records accurately, legibly and complete
- P5 ensure that the effects of your work and access do not adversely affect the environment
- P6 produce accurate and complete information which contains the necessary supporting data
- P7 communicate within the required timescale and in accordance with organisational procedure
- P8 respond to requests for further clarification and explanation of information clearly and accurately
- P9 maintain the health and safety of yourself and others at all times in accordance with current legislation

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Knowledge and understanding

You need to know and understand:

- K1 how to identify hazards and comply with the control measures of risk assessments
- K2 roles and responsibilities in relation to survey activity
- K3 the range of **survey techniques** available, their advantages and disadvantages and principles of use
- K4 the range of data collected and its significance, including types and sources
- K5 the actions to take if there is difficulty in obtaining data
- K6 the methods of collecting primary and secondary data
- K7 the difference between quantitative and qualitative information and how to collect this data
- K8 ways of presenting information clearly and in a manner appropriate to the intended user
- K9 the intended purpose of the information
- K10 the potential effects of your work on the environment and how to control these effects
- K11 your responsibilities under current relevant health and safety and other relevant legislation

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**Range related to
performance
criteria**

Collect quantitative and qualitative **data**

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Scope related to knowledge and understanding

Survey techniques could include:

- 1 mapping
- 2 use of GIS equipment and software
- 3 quadrat
- 4 trapping/counting
- 5 pH tests
- 6 ecological survey

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