

# **ASSESSMENT GUIDELINES**

## **Unit 2770**

Assess a site for amenity trees

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Level 3, Credit 8, version 4

# Assess a site for amenity trees

## Unit standard 2770

Level 3, Credit 8, version 4

### Level of performance required for this unit standard

This is a level 3 unit standard. At this level trainees are expected to demonstrate the following abilities when completing assessment tasks:

- To work under general supervision, with some independence; with significant responsibility for the standard of the outcome achieved.
- To apply technical skills and knowledge to complete the task to the specified standard, in a familiar context.
- To interpret available information, and use discretion and judgment.

### Workplace assessment:

For guidelines on Workplace Assessment, please refer to the NZHITO Workplace Assessors Manual, and for further information, please contact: NZHITO, PO Box 8638, Christchurch. Ph 03 9644 735, fax 03 9644 737, website [www.hortito.org.nz](http://www.hortito.org.nz)

### Special notes:

The New Zealand Land Resource Inventory maps and extended legends are available from Landcare Limited, PO Box 40, Lincoln

**Unit 2770: Assess a site for amenity trees  
(Apprentice copy)**

<b>ELEMENT</b>	<b>Competent</b>	<b>Range of evidence an assessor should consider</b>
<b>Element 1</b> Identify site specific soil factors likely to limit tree selection, growth or survival.	<b>Yes/No</b>	<ul style="list-style-type: none"> <li>▪ Assess the site in terms of its ability to support tree growth, and any soil factors that might limited tree growth. Range: must include but not limited to soil sampling for laboratory analysis of nutrient content and chemical properties.</li> <li>▪ Identify physical properties of soil which could limit tree selection, growth or survival on site. Range: aeration, compaction, depth, drainage, pans, water holding capacity, water table, salinity, texture.</li> <li>▪ Recognise and report signs and symptoms of soil borne pests and diseases that could reduce tree growth.</li> </ul>
<b>Element 2</b> Identify site specific climatic factors likely to limit tree selection, growth or survival.	<b>Yes/No</b>	<ul style="list-style-type: none"> <li>▪ Identify the temperature range, amount of rainfall and likely periods of moisture deficit in each season of the year from local meteorological data.</li> <li>▪ Estimate the proportion of shade the site receives, wind exposure and wind effects are estimated from site inspection.</li> <li>▪ Identify local climatic factors from local meteorological data, local features and local knowledge. Range: drought, frost, hail, snow, flooding, salt spray, wind exposure.</li> </ul>
<b>Element 3</b> Identify other factors likely to limit tree selection, growth or survival.	<b>Yes/No</b>	<ul style="list-style-type: none"> <li>▪ Assess site for factors limiting space available for trees. Range: must include but not limited to – access requirements, buildings and their light requirements, powerlines and other overhead obstructions, view restrictions, shading of neighbouring sites, reflections from tall buildings.</li> <li>▪ Assess site for factors limiting rootzone volume. Range: drains, foundations, impermeable paving, root control pits, underground services.</li> <li>▪ Identify likely air and water pollution where it could cause a reduction in plant growth rates.</li> <li>▪ Appraise the area in terms of the requirements and responsibility of people using it. Range: to include but not limited to – access, screening, shade, shelter, sunlight, vandalism, views.</li> </ul>
<b>Element 4</b> Prepare a site survey summary.	<b>Yes/No</b>	<ul style="list-style-type: none"> <li>▪ Identify areas within the site where there are limitations for tree growth.</li> <li>▪ Summarise and prioritise site limitations and positive aspects of the site for trees in terms of expected growth rates.</li> <li>▪ Give an example of a tree species suitable to three different sites.</li> </ul>
<b>Element 5</b> Identify and select species suited to specific sites.	<b>Yes/No</b>	<p>Range: evidence is required for five types of sites – calcareous, clay, dry, loess, montane, peat, pumice, shallow and wet soils, small sites, saline winds, strong winds, mild winters, cold winters, vehicle emissions, pollution, light shade, heavy shade.</p> <ul style="list-style-type: none"> <li>▪ Identify sites in terms of their limitations and effects on plant growth rates and health.</li> <li>▪ Identify species that are suitable to specific sites and conditions. Range: colour, flowers, evergreen/deciduous, growth rate, shape, size, soil and climate tolerance.</li> </ul>

\_\_\_\_\_ (Name of Apprentice)

is **Competent / Not yet competent** in Unit Standard 2770 (version 4)

**Signed (Assessor):** \_\_\_\_\_

WPA Registration Number: \_\_\_\_\_ Date: \_\_\_\_\_

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WPA Registration Number: \_\_\_\_\_ Date: \_\_\_\_\_

Please send this page to your NZHITO Regional Manager, who will forward it to National Office to register the credits on your NZQA Record of Learning.

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*(Name of Apprentice)*

**is Competent in Unit Standard 2770** (version 4)

**Signed (Assessor):**

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WPA Registration Number: \_\_\_\_\_

Date: \_\_\_\_\_