

# Horsetail - Statutory Weed Management Plan

## *Equisetum* species

### Interpretation:

In this Weed Management Plan (approved 30 August 2003)  
(amendments approved 21 June 2011):

- "Act" means the *Weed Management Act 1999*.
- "Approved quarantine place" means a place approved by the Secretary under section 70 of the *Plant Quarantine Act 1997* for the purpose of examining any prescribed matter imported into or to be exported out of the State.
- "Court fine" means a prescribed penalty for breaches against the Act. Court fines may be imposed if a person is convicted of any offence against the Act.
- "DPIPWE" means the Department of Primary Industries, Parks, Water and Environment, Tasmania.
- "Infringement fine" means a prescribed penalty for breaches against the Act. Infringement fines are imposed by way of an infringement notice that may be issued by a Weed Inspector.
- "Inspector" means a Weed Inspector appointed under section 34 of the Act.
- "Penalty unit" means the basic unit of the fine for which persons who fail to comply with any prohibition or requirement under the Act may be liable. See [values of penalty units](#) under the *Penalty Units and Other Penalties Act 1987* for more details.
- "Quarantine Tasmania" means that branch of the Department of Primary Industries, Parks, Water and Environment that, in cooperation with the Australian Quarantine Inspection Service, maintains both overseas and interstate quarantine barriers for this State.
- "[Regional Weed Management Officer](#)" means a person employed in the Department of Primary Industries, Parks, Water and Environment under that specific title.
- "Regulations" means the *Weed Management Regulations 2007*.
- "Secretary" means the Secretary of the Department of Primary Industries, Parks, Water and Environment.
- "Zone A" includes those Tasmanian municipalities for which eradication of a declared weed is the principal management objective. These municipalities are either free of the declared weed, host only small, isolated infestations, or host larger infestations which are deemed eradicable because a strategic management plan exists and the resources required to implement it have been or are likely to be secured. See [Management of horsetail by municipality](#) (Section 12) for details.
- "Zone B" includes those Tasmanian municipalities for which containment of the declared weed is the principal management

objective. Such municipalities host large, widespread infestations of the declared weed that are not deemed eradicable because the feasibility of effective management is low at this time. These municipalities lack a strategic management plan for the weed and/or resources to undertake control actions at a level required for eradication have not been secured. See [Management of horsetail by municipality](#) (Section 12) for details.

- “Horsetail” means any species of the genus *Equisetum* and includes whole plants or plant parts. It does not include products such as tablets, lotions, tinctures or other preparations that contain extracts of these plants or other dead materials. People who are uncertain about whether certain products (e.g. dried materials) contain plant parts capable of regenerating should contact a [Regional Weed Management Officer](#).

### **1. Purpose of this management plan:**

The purpose of this Weed Management Plan for horsetail is to:

- Provide direction upon the implementation of the *Act* with respect to horsetails.
- Encourage and facilitate an increase in the effectiveness with which horsetails are managed throughout Tasmania, with a view to eradicating all existing populations and preventing future infestations.
- Provide legislative support to regional and local efforts to manage horsetails in a strategic and integrated manner.

### **2. Area covered by this management plan:**

The State of Tasmania is covered by this management plan.

### **3. Description and distribution of the weed:**

Horsetails are ancient, non-flowering, hollow-stemmed, rhizomatous herbs may grow to 60 cm high.

These plants can invade crops, pastures and native vegetation. They are particularly problematic in the United States, Canada, Europe and Japan. On mainland Australia, horsetails are naturalised around Sydney.

Horsetails are not widely distributed in Tasmania but are reported from time to time as weeds of wet areas and ponds in domestic gardens. They also appear occasionally in the nursery and herbal trade. Refer to [Management of horsetail by municipality](#) (Section 12) for information on the distribution of horsetail in Tasmania by municipality.

See the DPIPWE [Horsetail Information Page](#) for more information on this weed.

#### **4. Importation of declared weed:**

##### **(1) A person must not import or allow to be imported into Tasmania any horsetails.**

*It is an offence against section 57(1) of the Act to fail to comply with this prohibition. A person found committing that offence may incur an infringement fine of 4 penalty units. A person convicted in court of that offence may be liable to a fine not exceeding 50 penalty units.*

*The Secretary may exempt a person from this prohibition under section 60 of the Act.*

To avoid committing this offence, actions including but not limited to the following should be undertaken:

- Persons travelling to Tasmania, in particular from areas infested with horsetails such as parts of New South Wales, should conduct thorough searches for the presence of the plant and apply appropriate hygiene measures, such as clothing, vehicle, machinery and baggage inspection and cleaning. Mud and soil, in particular, are to be removed prior to entry to Tasmania. Questions or concerns about weed hygiene issues should be directed to Quarantine Tasmania personnel before or directly upon disembarkation in Tasmania.
- Persons importing fresh or dried ornamental, craft or medicinal plants to Tasmania should ensure their stock does not include horsetails.
- Persons importing items to Tasmania that may contain horsetails should have these checked for the presence of these plants. This can be arranged through Quarantine Tasmania.

**Note: The importation of this species into Tasmania is also restricted under the *Plant Quarantine Act 1997*. Quarantine Tasmania should be contacted for information on the relevance and application of the *Plant Quarantine Act 1997* to activities concerning plant species.**

#### **5. Procedures for notification of the occurrence of the weed:**

Inspectors shall notify a [Regional Weed Management Officer](#) of any horsetail occurrences in municipalities or parts of municipalities where the weed is not yet recorded. Refer to [Management of horsetail by municipality](#) (Section 12) for distribution of horsetail in Tasmania by municipality.

**6. Sale, purchase, propagation, use, &c., of declared weed:**

**(1) A person must not:**

**(a) sell horsetail or any material or thing containing or carrying horsetail; or**

**(b) purchase or offer to purchase horsetail or any material or thing containing or carrying horsetail; or**

**(c) grow, propagate or scatter horsetail; or**

**(d) store horsetail or any material or thing containing or carrying horsetail; or**

**(e) hire or offer for hire any material or thing containing or carrying horsetail; or**

**(f) use horsetail or any material or thing containing or carrying horsetail; or**

**(g) deal with horsetail or any material or thing containing or carrying horsetail in any manner that is likely to result in the spread of the declared weed.**

*It is an offence against section 56(1) of the Act to fail to comply with this prohibition. A person found committing that offence may incur an infringement fine of 4 penalty units. A person convicted of that offence in court may be liable to a fine not exceeding 50 penalty units.*

*The Secretary may exempt a person from this prohibition under section 60 of the Act.*

To avoid committing this offence, actions including but not limited to the following should be undertaken:

- Persons giving away, bartering or selling, purchasing, growing, propagating or scattering, storing, using, or otherwise dealing with ornamental, craft or herbal plants should ensure their stock does not include horsetails. This includes roadside stalls, market stalls, fundraising events, garden club swaps, horticultural exhibitions and shows, nursery sales, supermarket plant sales and ANY OTHER activities that involve the distribution of ornamental, craft or herbal plants.
- Persons involved in the giving away, bartering or selling, purchasing, storing, hiring, using, or otherwise dealing with agricultural or roading machinery likely to be contaminated with

mud or soil containing horsetails should ensure that this equipment is free of these plants by undertaking appropriate inspection and hygiene measures. These include introducing thorough visual checks and cleaning of machinery as routine tasks when preparing these items for sale or distribution.

- Persons involved in the giving away, bartering or selling, purchasing, storing, using, or otherwise dealing with soil, gravel, lime or other such materials from areas infested with horsetails should seek alternative stock sources unless they can guarantee these materials are free of these weeds.
- Persons involved in the giving away, bartering or selling, purchasing, storing, hiring, using, or otherwise dealing with agricultural or roading machinery, stock, soil, gravel or other such materials likely to be contaminated with horsetails should take direction from any relevant local, regional or State hygiene programs being implemented in the municipality.
- Persons purchasing or hiring any items (e.g. machinery, soil, gravel or other such materials) likely to be contaminated with horsetails should liaise with suppliers for guarantees of horsetail free goods and materials and keep accurate records of their purchase transactions. Buyers discovering horsetail contamination post-purchase should implement practices that reduce the potential for establishment and spread of these plants. These include, creating dedicated areas for the wash down of purchased machinery and vehicles and carefully monitoring any suspect soil, gravel or other such materials for the emergence of these weeds.

**(2) It is a defence in proceedings for an offence under section 56(1) of the Act if the defendant establishes that he or she took all reasonable actions to prevent the commission of the offence.**

## **7. Measures to reduce the number of horsetail plants, eradicate horsetail from an area or restrict horsetail to a particular area:**

**An Inspector may, by serving a notice on the owner of any place, require that owner to implement any of the measures described in this part of the Weed Management Plan or any other measures consistent with it.**

*It is an offence against section 13(3) of the Act to fail to comply with a requirement notice issued by an Inspector. A person who fails to comply with that notice may be issued with an infringement fine of 8 penalty units. A person convicted of that offence in court may be liable to a fine not exceeding 100 penalty units and, in the case of a continuing offence, a further fine not exceeding 5 penalty units for each day during which the offence continues.*

Persons or organisations upon whose properties horsetail occurs (including ornamental or herbal plantings) should undertake the following:

- Planning and implementation of an integrated control program the aim of which is eradication of horsetail. Such a program should include an inventory of horsetail infestations in the area to which the plan relates, well-defined objectives, practicable control actions, follow-up actions, a realistic timeline and a budget, as a minimum. [Regional Weed Management Officers](#) or Inspectors may be contacted for advice on developing integrated control plans.
- Seek information about supporting any council endorsed plans relating to horsetail management in their municipality.
- Seek cooperation with neighbouring property owners when horsetail control measures are being planned or implemented.

Other general measures:

- Persons or organisations responsible for managing land which is currently free of horsetail should undertake prevention measures. Such prevention measures include:
  - Developing an ability to identify these plants;
  - Noting its occurrence and progress on nearby properties;
  - Undertaking control of small outbreaks without delay;
  - Arranging on-site quarantine for, or not bringing or allowing onto the property vehicles, machinery, soil, gravel, lime or other such material that may be contaminated with horsetail.

A [Regional Weed Management Officer](#) may be contacted for advice on keeping areas free of horsetail.

- Persons performing contract work of an agricultural, utility maintenance, roading or earthmoving nature, on-site consultations or assessments, deliveries or other visits in areas or properties infested with horsetail should undertake appropriate hygiene measures. These include thorough visual checks upon clothing, footwear, vehicles and machinery and, cleaning of the same of mud and soil in particular, prior to leaving the infested property. Developing a check-list will help ensure such routines are rigorous and consistent. Materials or items likely to be contaminated with horsetail should not be moved from horsetail infested areas or to horsetail free areas until any contamination risks have been minimised.
- Persons wishing to dispose of horsetail or any thing contaminated with horsetail should contact an Inspector or a [Regional Weed Management Officer](#) first, in order to receive direction upon how best to do this. Note that municipal waste disposal facilities vary in their acceptance and handling of declared weeds. Municipal waste disposal managers should be contacted for details.

- Persons wishing to transport horsetail or any thing contaminated with horsetail, for the purpose of disposal, should ensure this is undertaken in a manner that does not permit the release and spread of horsetail material. Measures include securing material in bags or under tarpaulins prior to transport, checking material at regular intervals during long journeys, and adequately cleaning vehicles after materials have been unloaded.

## **8. Storage in a specified area of any thing contaminated with the declared weed:**

**Any thing found to be contaminated with horsetail may be removed to storage at an appropriate approved quarantine place. A [Regional Weed Management Officer](#) will determine whether removal to storage at any of these facilities or treatment/destruction of material *in situ* is most appropriate.**

*Failure to comply with this requirement is an offence against section 51(1) of the Act. A person found committing that offence may incur an infringement fine of 4 penalty units. A person convicted of that offence in court may be liable to a fine not exceeding 50 penalty units.*

*The Secretary may exempt a person from this requirement under section 60 of the Act.*

To avoid committing this offence, actions including but not limited to the following should be undertaken:

- A person who discovers or suspects he/she possesses any thing, (e.g. machinery, soil, gravel) contaminated with horsetail should contact an Inspector or a [Regional Weed Management Officer](#). The contaminated thing should not be moved, disturbed, treated or disposed of prior to making this contact. If horsetail is confirmed, the person will be directed and advised in the proper management, including storage or disposal options, of the contaminated thing.

## **9. Any other measures the Minister considers appropriate to control the weed:**

There are no other measures appropriate for the management of horsetails in Tasmania at this time.

## **10. Exemptions:**

A person may apply for an exemption from any of provisions of the *Act* that relate to horsetails. He/she should contact a [Regional Weed Management Officer](#) to discuss the reasons for seeking the exemption

and obtain an exemption application form.

Persons granted an exemption should ensure they understand fully, any conditions specified in the exemption. Queries can be directed to a [Regional Weed Management Officer](#).

### **11. Review of this Weed Management Plan:**

A review of this Weed Management Plan may be undertaken at least once every five years if it is necessary and desirable to do so. The review will incorporate consultation with stakeholders deemed appropriate by the Secretary, DPIPWE.

### **12. Management of horsetail by municipality:**

Each Tasmanian municipality is classified into one of two management zones (Zones A or B) for the purposes of implementing this Weed Management Plan for horsetail.

**Zone A Municipalities - eradication:** Eradication is the most appropriate management objective for Zone A municipalities which have little or no horsetail, or when a credible plan for eradicating existing infestations is being developed and implemented. The ultimate management outcome for Zone A municipalities is achieving and maintaining the total absence of horsetail from within municipal boundaries.

**Zone B municipalities - containment:** Containment is the most appropriate management objective for Zone B municipalities which have problematic infestations but no plan and/or resources to undertake control actions at a level required for eradication. The management outcome for Zone B municipalities is ongoing prevention of the spread of horsetail from existing infestations to areas free or in the process of becoming free of horsetail.

The decision regarding which category is most appropriate for a particular municipality at a particular time is made jointly by DPIPWE and each municipality. Municipalities may change categories over time. For example, a Zone B municipality may decide to develop and implement a strategic plan for horsetail, with eradication as the objective. Provided the plan is credible, this municipality would qualify for inclusion in Zone A. Conversely, a Zone A municipality with widespread infestations may decide to stop supporting a strategic plan for horsetail eradication, in which case it would be re-classed as Zone B.

Table 1 lists the distribution and management measures of all Tasmanian municipalities currently classified as Zone A for horsetail. Note that all municipalities are currently classed as Zone A for horsetail.

**Table 1. Distribution and management measures for horsetail in municipalities classified as Zone A at 01/2011.**

Distribution based on Tasmanian Herbarium and DPIPWE records.

<b>Municipality</b>	<b>Horsetail distribution</b>	<b>Management measures*</b>
Break O'Day	None recorded	Prevention and early detection
Brighton	None recorded	Prevention and early detection
Burnie	None recorded	Prevention and early detection
Central Coast	None recorded	Prevention and early detection
Central Highlands	None recorded	Prevention and early detection
Circular Head	None recorded	Prevention and early detection
Clarence	None recorded	Prevention and early detection
Derwent Valley	None recorded	Prevention and early detection
Devonport	None recorded	Prevention and early detection
Dorset	None recorded	Prevention and early detection
Flinders	None recorded	Prevention and early detection
George Town	None recorded	Prevention and early detection
Glamorgan/Spring Bay	None recorded	Prevention and early detection
Glenorchy	None recorded	Prevention and early detection
Hobart	None recorded	Prevention and early detection

Huon Valley	None recorded	Prevention and early detection
Kentish	None recorded	Prevention and early detection
King Island	None recorded	Prevention and early detection
Kingborough	None recorded	Prevention and early detection
Latrobe	None recorded	Prevention and early detection
Launceston	Isolated infestations	Implement integrated control program for eradication and prevent future occurrences
Meander Valley	None recorded	Prevention and early detection
Northern Midlands	None recorded	Prevention and early detection
Sorell	None recorded	Prevention and early detection
Southern Midlands	None recorded	Prevention and early detection
Tasman	None recorded	Prevention and early detection
Waratah/Wynyard	None recorded	Prevention and early detection
West Coast	None recorded	Prevention and early detection
West Tamar	None recorded	Prevention and early detection

\*When a DPIPWE approved weed management strategy that has local council endorsement exists, management of this declared weed in the municipality concerned should occur with direct reference to that strategy.

The following distribution categories are used in Table 1:

“None recorded”. This means the plant is not known to be naturalised in the municipality, either from the records of the Tasmanian Herbarium or from DPIPWE databases. In cases where the plant was known to be

naturalised at a previous time but is not known there currently, the description "Previously recorded, none known now" is used.

"Isolated occurrences". This means the species is uncommon in the municipality, with populations limited to one or a few. The number of plants is generally small and/or populations cover small areas.

"Localised infestations". This means the species is present in the municipality in moderate proportions, with populations numbering several. The number of plants is also moderate and/or populations cover moderate-sized areas.

"Widespread infestations". This means the species is very common in the municipality, with many populations present. The number of plants present is generally large and/or populations cover large areas.

Note that the distribution descriptions presented in Table 1 apply to naturalised populations of the plant only. They do not include amenity, garden, horticultural or other deliberate plantings unless specified. The descriptions are relative and provide a general indication only of the spatial status of the plant in the municipality. Detailed location information may be obtained by contacting a [Regional Weed Management Officer](#). In addition, if you have reason to believe any of the distribution information presented in Table 1 is incorrect, please advise a Regional Weed Management Officer.