



LRWMP Incursion Plan for High Risk Weeds

1. INTRODUCTION

The purpose of this plan is to ensure a consistent approach and response to new weed incursions is achieved throughout the Lachlan Valley region. This plan directly addresses goals 1 and 2 of the NSW Invasive Species Plan; it will aid exclusion and eradication of new weeds quickly before they have a chance to establish. This plan is designed for implementation by regional managers and local control authorities however the principles can be applied to all levels of management.

As defined in the NSW Invasive Species Plan, an incursion is “an isolated population of an invasive species detected in an area where it has previously not been established”.

2. RESPONSE

There are four aspects of response to a new weed incursion which may occur concurrently.

2.1 Investigation

The incursion must be correctly investigated to confirm the species identification and extent of the infestation. Confirmation of these will allow the land manager to plan the operational work required to successfully eradicate the plant from the site.

2.2 Alert

The existence of the incursion should be made known either as part of a greater public awareness campaign or to comply with legal responsibilities. Public awareness can involve immediate neighbours, local communities or wider audiences. Creating awareness of the weed can help discover the extent of the incursion or aid with future detections.

If the species is declared as a class 1, 2 or 5 noxious weed under the Noxious Weeds Act 1993, it is a “notifiable” weed. Landholders are obliged to notify the local control authority (LCA) within 3 days of becoming aware of a notifiable weed on their land. The LCA then reports the notifiable weed to NSW Primary Industries (DPI) to ensure record keeping is consistent across the state (private information about property owners etc are not provided to DPI).

2.3 Operational

The target species of this plan are all identified as high risk with a control aim of eradication. With a control plan appropriate for the species and site, the land manager should achieve the aim successfully.

2.4 Review and recovery

Ongoing surveillance and rehabilitation of the site are important steps to ensure regrowth does not occur and eradication is successful.

The entire process used to deal with new weed incursions should be reviewed regularly to ensure all obligations are met and the process delivers successful results in an economical manner.

3. INFORMATION

Information and data gathered for new incursions needs to be comprehensive and useful while maintaining the privacy of property owners. Maintaining correct records allows for the information to be preserved even though the people involved may have moved on.

3.1 Mapping and recording standards

A series of weed recording standards were set out by NSW Agriculture (now DPI) in 1999. These standards can be adapted to any level of weed management. DPI requires a subset of these standards to be provided when reporting a notifiable weed. They include:

- Species name
- GPS location
- Date of detection
- Growth status
- Number of plants
- Possible source
- Land use at the site
- Size of site

3.2 Trace back

Tracing the source of a weed incursion is an important step towards preventing future infestations. Identifying pathways of spread allows for future inspections to be targeted and weed incursions to be detected quickly.

4. HIGH RISK SPECIES

As part of the Weeds Action Program it was compulsory for regions to identify “high risk species”. The Lachlan Valley Weeds Advisory Committee assumed this phrase referred to species that have the potential to invade and impact on part of, or the entire region while currently not found in the region, or only newly found in 1 or 2 sites within the region.

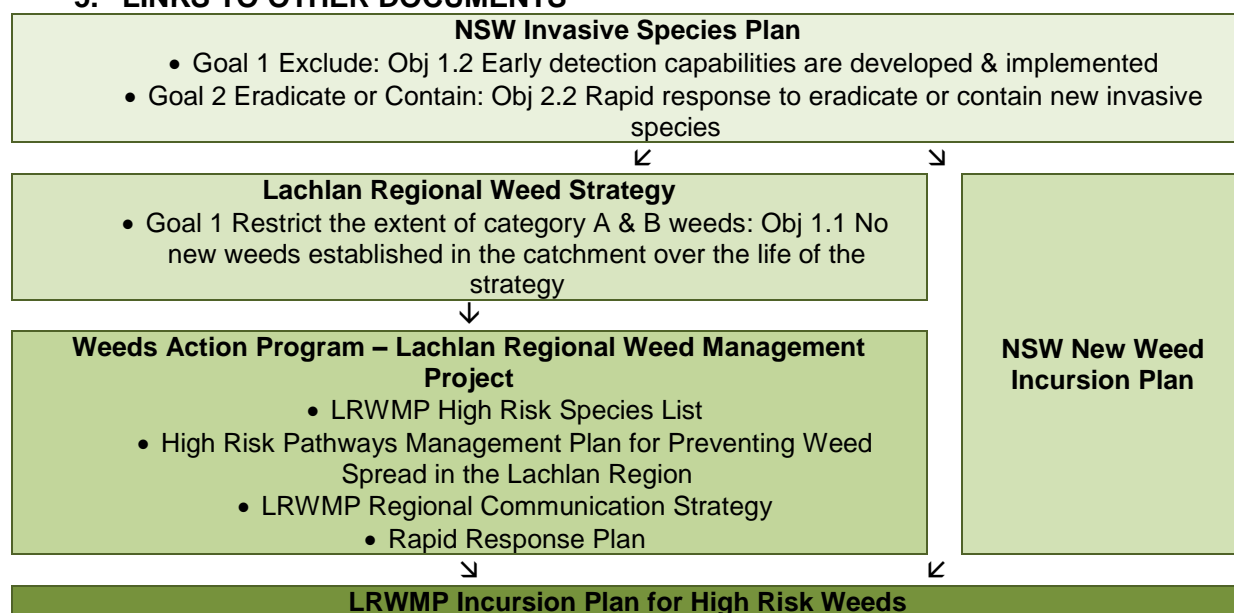
Consultation with weed officers across the region as well as DPI staff produced a draft list of weed species. These species were then assessed using the NSW Weed Risk Management System (NSW WRMS), as promoted by the Noxious Weeds Advisory Committee. This system was used to give an objective review of the weeds current status and potential risk to our region. The species were then categorised according to the management outcome given by the weed risk assessment system and the following list was produced:

Common name	Scientific name	Reason for nominating as regional high risk species	Regional WRA management outcome
Alligator weed	<i>Alternanthera philoxeroides</i>	Present in neighbouring region (Riverina). Aquatic weed	Eradication
Anchored water hyacinth	<i>Eichhornia azurea</i>	Class 1 declared noxious weed for all of NSW. Aquatic weed.	Eradication
Athel pine	<i>Tamarix aphylla</i>	Partial regional high risk - naturalisations in watercourses spread quickly and densely. Found in other parts of the region	Eradication
Boneseed	<i>Chrysanthemoides monilifera</i> subspecies <i>monilifera</i>	Not currently present but potential for invasion is high	Eradication
Coolatai grass	<i>Hyparrhenia hirta</i>	Partial regional high risk - Found in isolated sites, risk of spread to other parts of the region	Eradication
Eurasian water milfoil	<i>Myriophyllum scipatum</i>	Class 1 declared noxious weed for all of NSW. Aquatic weed.	Eradication
Fireweed	<i>Senecio madagascariensis</i>	Not currently present but potential for invasion is high	Eradication
Horsetail	<i>Equisetum</i> species	Class 1 declared noxious weed for all of NSW. Aquatic weed.	Eradication
Hymenachne	<i>Hymenachne amplexicaulis</i>	Class 1 declared noxious weed for all of NSW. Aquatic weed.	Eradication
Karoo thorn	<i>Acacia karroo</i>	Class 1 declared noxious weed for all of NSW	Eradication

Lagarosiphon	Lagarosiphon major	Class 1 declared noxious weed for all of NSW. Aquatic weed.	Eradication
Leafy elodea	Egeria densa	Aquatic weed.	Eradication
Mexican feather grass	Nassella tenuissima	Class 1 declared noxious weed for all of NSW	Eradication
Miconia	Miconia species	Class 1 declared noxious weed for all of NSW	Eradication
Parkinsonia	Parkinsonia aculeata	Present in neighbouring region (Macquarie). High potential for further spread	Eradication
Parthenium	Parthenium hysterophorus	Isolated plants found in West of region. High potential for further spread. Class 1 declared noxious weed for all of NSW	Eradication + ALERT
Pond apple	Annona glabra	Class 1 declared noxious weed for all of NSW	Eradication
Rubbervine	Cryptostegia grandiflora	Present in neighbouring region (Macquarie). High potential for further spread	Eradication
Senegal tea plant	Gymnocoronis spilanthoides	Class 1 declared noxious weed for all of NSW. Aquatic weed.	Eradication
Siam weed	Chromolaena odorata	Class 1 declared noxious weed for all of NSW	Eradication
Tiger pear	Opuntia aurantiaca	Partial regional high risk - Found in isolated sites, risk of spread to other parts of the region	Eradication
Water caltrop	Trapa species	Class 1 declared noxious weed for all of NSW. Aquatic weed.	Eradication
Water hyacinth	Eichhornia crassipes	Aquatic weed.	Eradication
Water lettuce	Pistia stratiotes	Class 1 declared noxious weed for all of NSW. Aquatic weed.	Eradication
Witchweed	Striga species	Class 1 declared noxious weed for all of NSW.	Eradication
Yellow Burrhead	Limnocharis flava	Class 1 declared noxious weed for all of NSW. Aquatic weed.	Eradication
Broomrapes	Orobanche species	Class 1 declared noxious weed for all of NSW	Destroy infestations
Chinese violet	Asystasia gangetica subspecies micrantha	Class 1 declared noxious weed for all of NSW	Destroy infestations
East Indian hygrophila	Hygrophila polysperm	Class 1 declared noxious weed for all of NSW. Aquatic weed.	Destroy infestations
Hawkweed	Hieracium species	Class 1 declared noxious weed for all of NSW	Destroy infestations
Kidneyleaf mudplantain	Heteranthera reniformis	Aquatic weed. Class 1 noxious weed declaration imminent. Has previously been sold at chain nurseries.	Destroy infestations
Kochia	Bassia scoparia	Class 1 declared noxious weed for all of NSW	Destroy infestations
Mimosa	Mimosa pigra	Class 1 declared noxious weed for all of NSW	Destroy infestations
Spotted knapweed	Centaurea stoebe subspecies micranthos	Class 1 declared noxious weed for all of NSW	Destroy infestations
Water soldier	Stratiotes aloides	Class 1 declared noxious weed for all of NSW. Aquatic weed.	Destroy infestations
Black knapweed	Centaurea nigra	Class 1 declared noxious weed for all of NSW	Contain spread
Cats claw creeper	Macfadyena unguis-cati	Not currently present but potential for invasion is high	Contain spread
Dodder	Cuscuta species	Partial regional high risk - Found in isolated sites, risk of spread to other parts of the region	Contain spread
Gorse	Ulex europaeus	Partial regional high risk - Found in far eastern end of region, risk of spread to other parts of the region	Contain spread
Ink weed (Poke weed)	Phytolacca octandra	Partial regional high risk - Found in isolated sites, risk of spread to other parts of the region. Suspected as toxic to stock.	Contain spread
Mesquite	Prosopis species	Present in neighbouring region (Macquarie). High potential for further spread	Contain spread

Sagittaria	Sagittaria platyphylla	Present in neighbouring region (Macquarie). High potential for further spread. Aquatic weed.	Contain spread
Salvinia	Salvinia molesta	Aquatic weed.	Contain spread
Mother of millions	Bryophyllum species and hybrids	Partial regional high risk - Found in eastern Lachlan, risk of spread to other parts of the region	Monitor + Protect priority sites
Mimosa bush	Vachellia farnesiana	Present in neighbouring region (Macquarie). High potential for further spread	Protect priority sites
Bridal creeper	Asparagus asparagoides	Partial regional high risk - Found in eastern Lachlan, risk of spread to other parts of the region	Manage weed
Johnson grass	Sorghum halepense	Partial regional high risk - Found in parts of the region, risk of spread to other parts of the region	Manage weed
St Johns wort	Hypericum perforatum	Partial regional high risk - Found in eastern Lachlan, risk of spread to other parts of the region	Manage weed
Cape broom	Genista monspessulana	Partial regional high risk - where it has not yet spread from far eastern end of region.	Manage sites
Olives	Olea europaea and subspecies	Species escape from groves and infest roadsides and national parks	Manage sites
Blackberry	Rubus fruticosus aggregate species	Partial regional high risk - where it has not yet spread from eastern end of region.	Varied
Blue heliotrope	Heliotropium amplexicaule	Partial regional high risk - where it has not yet spread from eastern end of region.	Varied
Chilean needle grass	Nassella neesiana	Partial regional high risk - Found in isolated sites, risk of spread to other parts of the region	Varied
Lippia	Phyla canescens	Partial regional high risk - Found in parts of the region, risk of spread to other parts of the region	Varied
Serrated tussock	Nassella trichotoma	Partial regional high risk - Found in eastern Lachlan, risk of spread to other parts of the region	Varied

5. LINKS TO OTHER DOCUMENTS



6. APPENDICES