



Roadside Weed and Pest Animal Plan 2015-2017

Environmental Programs
November 2015

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Introduction

Local government is responsible for controlling weeds on the roadsides they manage. This means municipal roadsides and some unused roads that have not been licenced to a third party. Funding from the State Government has been allocated to all Councils in Victoria to assist them with this task. A requirement of this funding is to develop and deliver a roadside weed and pest animal control program on municipal roadsides.

Purpose

Murrindindi Shire Council proactively targets weeds on roadsides and unused road reserves in partnership with other tiers of government, agency and community groups.

To reduce and minimise the impacts of pest plant and animals on land across Murrindindi Shire the Council regularly liaises with various land management agencies, and works collaboratively with the Upper Goulburn Landcare Network to promote and encourage landholders across Murrindindi to undertake their responsibilities under the Catchment and Land Protection Act, 1994.

Action plans for environmental management on Council managed land includes Council's Roadside Management and Code of Practice. The Roadside Weed and Pest Control Plan is an important document incorporating the Roadside Code of Practice and setting the operational direction for the way weeds are managed on roadsides under Council's management.

Regional Context

Whole of Landscape

The Shire of Murrindindi is located in the north east of Victoria and covers approximately 3,887 square kilometres of which 48% is Crown land. With the exception of a small area south of Kinglake, most of the Shire lies in the upper part of the Goulburn River Catchment. Murrindindi Shire is located close to Melbourne but is predominately rural. Landscape character types include steep hill country to undulating hills and valleys, rolling pastures and alluvial flood plains.

The bushfires of February 7th 2009 had a catastrophic impact on Murrindindi's natural and built environments. The bushfires were on such a large scale, claiming lives and devastating not only land and property but also creating enormous emotional and physical hardship.

Forty percent or 1,539 km² of the shire area was burnt. Over half of the area burnt had steep slopes and therefore increased risk of erosion and runoff. With such land disturbance, weed spread has increased. Weeds, their spread and control outside the fire affected areas are also of a concern to both Council and the community.

Municipal Roadsides and Unused Roadside Reserves

Murrindindi Shire Council is responsible for managing municipal roadsides under the Road Management Act, 2004. There are approximately 1,218 km of sealed and unsealed municipal roadsides and a number of unused road reserves managed by the Council. Roadsides provide

habitat for native flora and fauna and in many instances support high levels of biological diversity in areas of high conservation value, including threatened species and ecological communities.

The challenge for local government is to balance the protection of high conservation values on its roadsides with its obligations to provide safe passage on roads and address municipal fire prevention and road safety issues associated with native vegetation. Council has conducted conservation value mapping on over 280 roadsides. This mapping has helped to determine sections of Council managed roads that contain intact, remnant vegetation with significant fauna and flora habitat.

These sections have been rated higher than sections where remnant vegetation has been replaced by weed species or vegetation quality is diminished and fauna habitat is limited.

Murrindindi Shire Council uses these value classifications to adopt a proactive approach towards weed control on municipal roadsides which have been mapped for a number of Regionally Controlled weeds, Chilean Needle Grass and some serious environmental invasive weeds such as Holly and to a lesser extent Ivy. Council targets roadsides that are in the very high to high classification and actively works towards reducing weeds on roadsides. These works are married with Council's fuel reduction program where weed control activities often help to reduce fuel loads on roadsides.

Community Volunteerism

There are many volunteers working across Murrindindi both individually and as members of community groups to control weeds in Murrindindi. The Upper Goulburn Landcare Network is a leading example of such work. The Network is a collective of 14 Landcare/land management groups in the Murrindindi shire area. It has a strong and positive relationship with landholders, community organisations and government/agency stakeholders.

As part of the Upper Goulburn Landcare Network's fire recovery program, volunteers were coordinated to work in the natural environment, planting trees and conducting weed control. Some of this work focused on controlling 'undeclared weeds' on municipal roadsides and reserves.

Murrindindi Shire has three active Blackberry Action Groups supported under the Victorian Blackberry Taskforce led by the Department of Economic Development, Jobs, Transport and Resources. These groups help tremendously to strengthen efforts to control blackberry across private and public land in Murrindindi. There are also many other environmental groups working to protect the environment values in Murrindindi through various land management action such as tree planting, fencing, weed and erosion control. Examples include Friends of Groups, and the Field Naturalists Club of Alexandra.

Council understands the importance of partnering with community volunteers. These partnerships give Council access to local expertise and knowledge and help to produce better results on ground. This Plan and Program has been developed with this in mind - focusing on ways in which Council and other tiers of government can work with individual landholders and community groups to support and expand on existing work happening across the Shire. The most recent action in this area involves collaboration with the Upper Goulburn Landcare Network to secure Green Army teams which would assist with land management via various strategies, including competition, to contain and control weeds on Council managed land.

Murrindindi Shire Council and Upper Goulburn Landcare Network are working closely to secure Green Army teams that will assist and participate in weed control as part of natural resource management of public land areas. If successful these teams will complement the work undertaken through the State Government allocation to roadside weeds, with an emphasis on undeclared weeds and works concentrated in areas that are not on the priority road list for weed control.

Community Engagement

The Murrindindi Shire Council provides environmental services in the way of engagement and in-kind support to landholders and community groups via regular communication, attendance and participation at meetings or reference groups, phone calls, email correspondence and by regular site visits on roadsides and private property. Cooperation and information exchange includes:

- Liaison between State Government agencies (Department Economic Development, Jobs, Transport and Resources; Department Environment, Land Water and Planning; Upper Goulburn Catchment Management Authority and Vic Roads), Upper Goulburn Landcare Network, community groups and individual landholders to strategically tackle pest plant and animal infestations through alignment of weed control programs undertaken locally.
- Participation on several steering committees that oversee local and regional programs and projects in relation to weed control.
- Liaison with the Upper Goulburn Landcare Network Coordinators and Fire Recovery Coordinator.
- Involvement with individual landholders and residents of the Shire not involved with Landcare groups or the Landcare network.
- Participation in Biodiversity Reference Group (representation from eight shires, Catchment Management Authority, Department Sustainability & Environment, VicRoads, Goulburn Murray Water).
- Participation in Land and Biodiversity Implementation Forum-LaBIF (representation from Department Environment, Land, Water and Planning, Parks Victoria, Trust for Nature, Conservation Management Networks, Friends of Groups).
- Discussion, advice and guidance through the Murrindindi Shire Council's Environment Advisory Committee (includes council officers and councillors, Landcare Coordinator and members of Landcare groups, members of the shire with Natural Resource Management backgrounds)
- Responding to customer requests regarding weed control, predominately focusing on control of Blackberry and St John's Wort (however a number of requests also refer to undeclared weeds).
- Telephone exchange of information in relation to incentives and equipment available to assist in containing and controlling weeds.
- Networking at field days and other community events.

Customer requests for rabbit control on roadsides are rare. That said, through the delivery of this Program Council aims to reduce the potential of rabbit populations to spread by controlling weeds on the roadside that are likely to be a shelter or potential haven for rabbits.

Scope and Objectives of Plan

Scope

The scope of the Plan has been designed within the funding constraints of the Council's Program. Funding has been allocated by the State Government with certain conditions attached to how this money is spent. This includes:

- Works are to be delivered in Municipal Roadside Reserves - only.
- Works must control Regionally Prohibited and Controlled Weeds.

- Works must also identify ways to control rabbits.¹

In order to develop a Program that is in accordance to funding requirements, this Plan and its Program has been developed on the basis of strategic priorities. To assist determine a strategic priority, the following criteria has been used:

- a) Roadsides that reflect a high level of conservation value especially assets such as significant roadside vegetation, habitat or endangered Ecological Vegetation Classes under threat from weed invasion
- b) Roadsides with a high degree of threat posed by particular weeds especially Declared Noxious Weeds or Weeds of National Significance of concern to the Shire's community.
- c) Roadsides at locations that provide a high level of alignment with other community and agency efforts, especially with current and previous DEDJTR compliance and extension programs with the aim of containment or reduction
- d) Roadsides that contribute to previous investment made by Murrindindi Shire Council in the control of Regionally Controlled Weeds and rabbits.
- e) Roadsides that are able to support community group interest and investment

Despite existing constraints outlined above, Council recognises the opportunity to lever the work delivered under this Plan to secure additional funding streams that would provide Council with the resources to expand the Program to other locations identified as a priority for the Council and community.

Council has dedicated budget to assist with containment and control of the Weed of National Significance, Chilean Needle Grass and has also committed some funding to build on the State Government allowance received for Regionally Controlled weeds. With Murrindindi Shire Council suffering a reduced rate base and increased maintenance expenditure on new and gifted assets from the 2009 fires, ongoing financial support from the State Government is vital to ensure success of any weed control program.

Objectives

- To work strategically and in cooperation with neighbouring shires Landcare groups, Victorian Blackberry Task Force, GBCMA, DEDJTR, DELWP, Vic Roads, other government agencies to identify best ways to align existing efforts of weed control.
- To encourage, promote and support voluntary work across Murrindindi Shire in relation to controlling weeds.
- To raise awareness among landholder's of their legal responsibility to control Regionally Prohibited and Regionally Controlled Weeds and rabbits on their land.
- To protect and enhance roadsides given a Very High and High Conservation value.
- To protect environmental assets within the Shire such as endangered communities like Grassy Woodlands or Federal & State Protected species such as *Delmar impar* Striped Legless Lizard and *Pomaderris vaccinifolia* Round leaf pomaderris.
- To identify ways in which Council can expand this Program through identification of additional funding opportunities and strategic partnerships.

¹ In regard to requirements to control rabbits. Methods to control rabbits such as laying poison or ripping warrens on public roadsides is not appropriate as this would result in disturbance of the native fauna and flora which by legislation local government is required to protect. In addition there is a possibility that poison may reach off target species such as native fauna or domestic animals. For this reason, the Council's Program will operationally focus on reducing rabbit populations through habitat manipulation. For example through the removal of surface refuges such as blackberry infestations.

The Six Program Areas

Council has identified six specific areas within the Shire to concentrate the operational weed control program. These six program areas meet the criteria outlined above. They are described in detail below. In addition Appendix 3, 4 and 5 provide spatial maps for each program area, detailed listings of roadsides under each Program Area including distances, conservation value and significant characteristics

HUGHES CREEK CATCHMENT COLLABORATIVE

The Hughes Creek Catchment Collaborative is an umbrella group coordinating the activities of four Landcare groups. Murrindindi Shire Council has a Memorandum of Understanding with the Hughes Creek Catchment Collaborative and works strategically with the collaborative to tackle Regionally Controlled weeds in the Highlands area. Roadsides of high conservation significance and/or that contain any of the identified priority weeds present have been targeted. This is an example of working cooperatively with neighbouring shires and Landcare groups to protect high conservation value roadsides. There are fourteen protected species, three protected areas and two threatened communities in this area.

BLACKBERRY ACTION GROUPS

In 2012, The Upper Goulburn Landcare Network invited the Department Primary Industries supported Victorian Blackberry Taskforce to present to over 60 concerned landholders at a community meeting held in Yea. Since then, three new Blackberry Action Groups have formed within the Murrindindi Shire. All of them have received a Victorian Blackberry Task Force Grant.

Two of these groups King Parrot Blackberry Action Group & Merton-Cathkin Blackberry Action Group have been forged in an area that has active Landcare groups and frequent activities. Both these groups have employed a Project Officer to work with private landholders.

The third group South Cathedral Lane has recently formed in relation to concerns of rampant blackberry growth since the 2009 fires. Support from Council and for the South Cathedral Lane group area will also include the Cathedral Range area in an effort to protect this asset and to also support the Friends of Cathedral Ranges.

A description of each group is provided below.

- **King Parrot Blackberry Action Group**

This group is located within the north, north-west of the Murrindindi Shire and includes the King Parrot Creek area. King Parrot Creek houses the endangered Flora and Fauna Guarantee Act and Environment Protection & Biodiversity Conservation Act listed Macquarie Perch. Maintaining water quality and preservation of the endangered Macquarie Perch within the King Parrot Creek is one of the aims of the Goulburn Broken Catchment Management Authority River Health Programs. There are nineteen protected species, three protected areas and two threatened communities in this area.

- **Merton-Cathkin Blackberry Action Group**

This group is located within the north, north-east of the Murrindindi Shire within the Merton-Cathkin area. Most roadsides within this area fall within an Endangered, Vulnerable or Depleted Ecological Vegetation Classes and a number of the roadsides demonstrate high conservation values. This area

has high number of land based assets, protected bird species, protected areas and mammal biodiversity.

- **Triangle Blackberry Action Group**

This group is located within the south, south-east of the Murrindindi Shire close to the Cathedral Ranges State Park. This area has very high mammal biodiversity richness, high bird endemism, three protected areas and The Golden Sun Moth has been found in this vicinity and the Buxton Silver Gum is endemic to this area. Formed following the 2009 fires due to the concern of the spread of blackberries this group has received a Victorian Blackberry Task Force Grant.

GRASSY WOODLAND

There is very little high quality grassy woodland left within the Murrindindi Shire (approximately 2.7 % remaining in the Goulburn Broken Catchment) however, two particular sites under Murrindindi Shire Council management occur within the Alexandra area. These sites include a municipal roadside and a council managed covenanted site known as the 'CA4A Mt Pleasant Reserve'.

The Field Naturalists Club of Alexandra campaigned for many years to have this site covenanted (with Trust for Nature) and for the Council to recognize the intrinsic value of this site. The site is under threat from noxious and environmental weeds. The environmental values of this site must be managed to ensure they are not degraded through advancing weeds.

Grassy Woodland is also in and around the Yea district and this constitutes another area earmarked for treatment. There are twelve protected areas, seventeen protected species, two threatened communities and one heritage place within this area. Grassy Woodlands conservation status is endangered and to build on previous work done by Council and other agencies and groups including the GBCMA, Yea Wetlands Committee, Vic Roads, the Yea River Landcare Group and private landholders.

CHILEAN NEEDLE GRASS PROGRAM

Chilean Needle Grass is a Weed of National Significance and to Council's knowledge extends from Molesworth through to the Homewood area running along the Goulburn Valley Highway.

Within this area Chilean Needle Grass is present on municipal roadsides, main roads managed by VicRoads and private land. Collaboration with VicRoads and private landowners has resulted in this educational and operational control program gaining momentum raising awareness of this particularly nasty Weed of National Significance, throughout the endangered Ecological Vegetation Class- Grassy Woodlands.

RARE & THREATENED SPECIES

The threatened FFG and EPBC listed *Pomaderris vacciniifolia* is found within the southern part of the shire around Kinglake, Castella and Toolangi, although there is a recorded isolated population further north on Larrits Lane near Devlin's Bridge.

Since the 2009 fires this plant has experienced some regeneration and stimulated by the fire has begun appearing in locations not previously known. Similarly another rare plant is found in this vicinity, *Goodia lotifolia* (Silky Golden Tip). This plant has characteristics similar to the noxious weed cape broom and so extra care must be taken when undertaking weed control near these plants. This is an example of protecting the Shires environmental assets.

Relevant Legislation, Policy and Strategies

Legislation, policies and strategies relevant to this plan include:

Federal

- Australian Weed Strategy (revised 2007)
- Australia's Biodiversity Conservation Strategy 2010-2020
- Environment Protection and Biodiversity Conservation Act 1999

State

- Flora and Fauna Guarantee Act 1988
- Planning and Environment Act 1987
- Catchment and Land Protection Act 1994
- Local Government Act 1989
- Invasive Plants and Animal Policy Framework 2010
- Victoria's Biodiversity Strategy 1997
- Victorian Bio-security Strategy 2009

Regional

- Goulburn Broken Invasive Plants and Animals Strategy 2010-2015
- Biodiversity Strategy GBCMA 2010-2015

Local

- Murrindindi Shire Planning Scheme
- Murrindindi Shire Environment Policy 2008
- Murrindindi Shire Council Environment Strategy 2011-2015
- Murrindindi Shire Council Community Local Law 2012
- Murrindindi Shire Council Roadside Management Plan
- Roadside Code of Practice

Action Plan

An action plan is detailed on the next page.

Table 2: Roadside Weed and Rabbit Control Action Plan

Action Number	Action	Action Type	Responsibility	Annual Timeframe
1	Ensure Council regularly liaises with agencies, Landcare and interest groups	Operational	Environmental Programs Unit	Ongoing
2	Inspect roadside weeds and obtain quotes from contractors	Operational		Early September
3	Engage contractors to deliver works.	Operational		October-March
4	Inspect work delivered by contractors.	Operational		December-April
5	Ensure Council staff has access to up to date knowledge and management regarding best practice in weed control.	Educational		Ongoing
6	Implement mail out to landholders adjoining Council roadsides included in the six program areas.	Educational		September-December
7	Erect signs	Educational		October-March
8	Design and deliver weed identification training to Council's outdoor works crews.	Educational		Ongoing
9	Provide advisory support on site to assist Council's outdoor crews and/or contractors adhere to Roadside Code of Practice in High Conversation areas.	Educational		As need arises
10	Assess and review GPS mapping of roadside weeds.	Monitoring		September-January
11	Work with DEDJTR and DELWP on data exchange agreements.	Monitoring		May-June

Appendices

Appendix 1: List of Current Target Species

Appendix 2: Funding Allocation of Program Areas

Appendix 3: Spatial Representation of Roadside Weed and Rabbit Control Program

Appendix 4: Weed Control Focus within each Contract Area

Appendix 5: List of roadsides in each Contract Area under Roadside Weed Control Plan

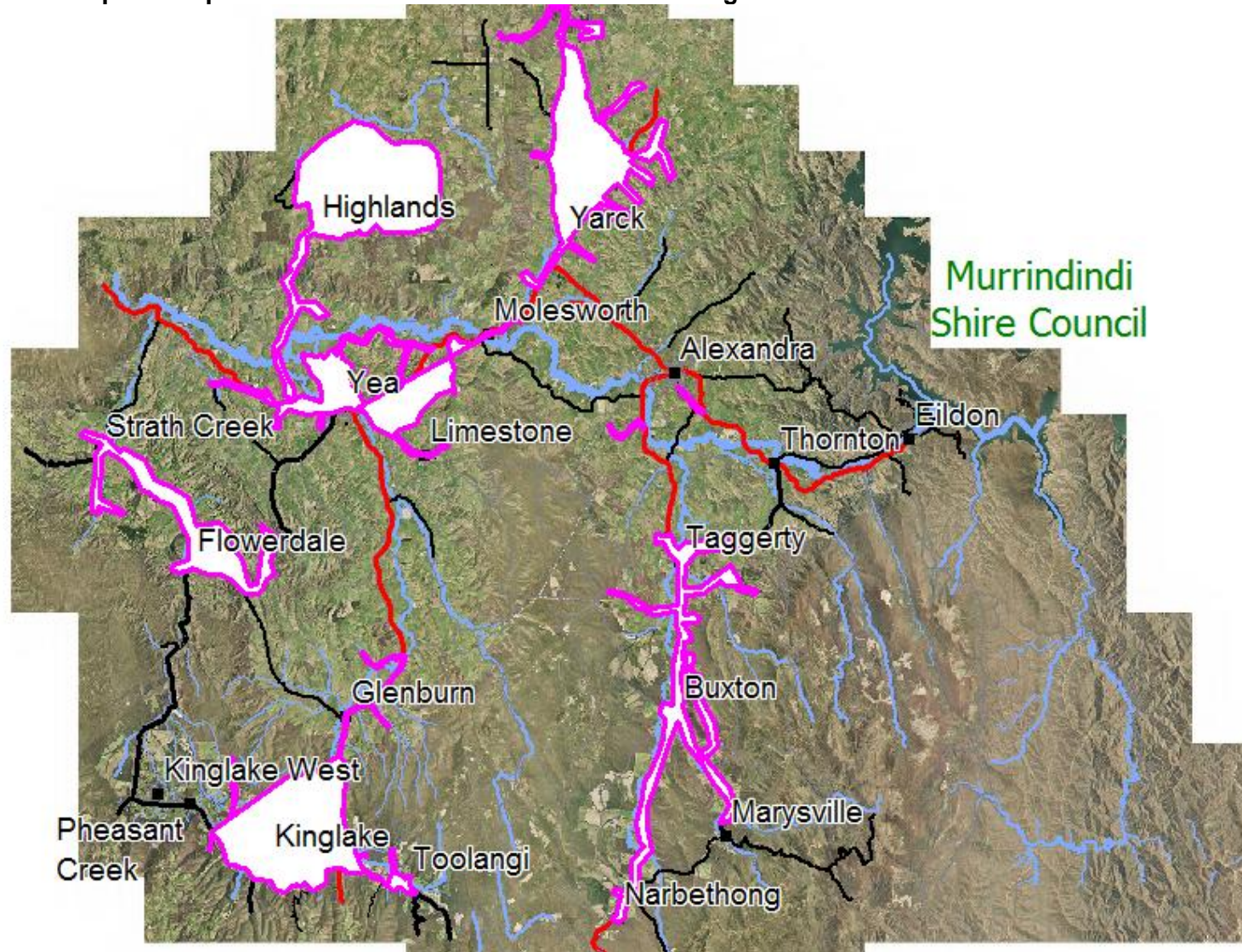
Appendix 1: List of Current Target Species

Common Name	Scientific Name	CaLP classification	PRIORITY RATING (1 highest – 3 lowest)	Reasons for Management
Serrated Tussock	<i>Nassella trichotoma</i>	Weed of National Significance/Regionally Prohibited Weed	1	- Currently there are no recorded infestations within Murrindindi Shire road reserves although present in neighbouring shires. Ensure this WoNS does not establish within the Murrindindi Shire.
Boneseed	<i>Chrysanthemoides monilifera</i>	Regionally Prohibited Weed	1	- Currently there are no recorded infestations within Murrindindi Shire road reserves although present in neighbouring shires. Ensure this WoNS does not establish within the Murrindindi Shire.
Horehound	<i>Marrubium vulgare</i>	Regionally Controlled Weed	1	- Currently one recorded site within Murrindindi Shire road reserve. Reasonable to expect eradication.
Tutsan	<i>Hypericum androsaemum</i>	Regionally Controlled Weed	1	- To ensure this weed doesn't invade roadsides.
Chilean Needle Grass	<i>Nassella neesiana</i>	WoNS/Restricted Weed	1	- In response to ratepayer requests and to support previous investment by MSC
Blackberry	<i>Rubus fruticosus</i> (agg.)	WoNS/Regionally Controlled Weed	1	- To support DEDJTR compliance programs, to support Blackberry Action Groups and to support previous investment by MSC
Gorse	<i>Ulex europaeus</i>	WoNS/Regionally Controlled Weed	1	- To support current and previous DEDJTR compliance programs, in response to ratepayer requests and to support previous investment by MSC.
St John's Wort	<i>Hypericum perforatum</i>	Regionally Controlled Weed	1	- In response to frequent ratepayer requests and to support previous investment by MSC
English Broom	<i>Cytisus scoparius</i>	Regionally Controlled Weed	2	- In response to frequent ratepayer requests and to support previous investment by MSC

Common Name	Scientific Name	CaLP classification	PRIORITY RATING (1 highest – 3 lowest)	Reasons for Management
Cape Broom	<i>Genista monspessulana</i>	Regionally Controlled Weed	2	- <i>In response to frequent ratepayer requests and to support previous investment by MSC</i>
Paterson's Curse	<i>Echium plantagineum</i>	Regionally Controlled Weed	3	- <i>Not a frequent roadside presence but vigilance required to maintain this status.</i>
Sweet Briar	<i>Rosa rubiginosa</i>	Regionally Controlled Weed	3	- <i>To support previous investment by MSC</i>
Hawthorn	<i>Crataegus monogyna</i>	Regionally Controlled Weed	3	- <i>To commence the removal of these trees within significant areas of roadside. Produces berries that are spread easily.</i>

Appendix 2: Funding Allocations of Program Areas					
Program	Control Measures (to be based on accepted best practice management of the target species)	Location of where works will be done (see Appendix 5 Detailed List of Roadside under Program Area)	Estimate of length of roadside to be treated annually over 2 years (km)	Approximate Annual Timing of Treatment	Estimated Cost \$\$
Contract Area - 1 - Highlands (12 roads)	Spot spray application of a registered herbicide in accordance with the product label	- High Conservation Value roadsides , Hughes Creek Catchment Collaborative	79.084	Nov-Jan	\$5000
Contract Area - 2 Gobur (19 roads)	Spot spray application of a registered herbicide in accordance with the product label. Some replanting in Year 2	- High Conservation Value roadside, Endangered Box Grassy Woodland EVC area. Merton-Cathkin Blackberry Action Group	66.939	Nov-Jan	\$5000
Contract Area - 3 - Yea (28 roads)	Spot spray application of a registered herbicide in accordance with the product label	- High Conservation Value roadside, Endangered Grassy Woodland EVC area. Municipal roadsides with Vic Roads treating main roads	149.329	October-Jan	\$8362
Contract Area - 4 Strath Creek/Flowerdale (15 roads)	Spot spray application of a registered herbicide in accordance with the product label. Some replanting in Year 2	- Municipal roadsides with Vic Roads	64.987		\$3000
Contract Area - 5 - Kinglake/Castella/ Toolangi (13 roads)	Spot spray application of a registered herbicide in accordance with the product label. Manual removal of isolated plants Cut-paint herbicide application. Some replanting in Year 2	- Located within Southern part of Murrindindi Shire- namely Kinglake, Castella and Toolangi	31.901	Nov-Jan	\$2000
Contract Area - 6 Triangle (28 roads)	- Spot spray application of a registered herbicide in accordance with the product label. Some replanting in Year 2	High Conservation Value roadsides. Adjacent to Cathedral Ranges State Park.	45.889	Nov-Jan	\$5500
			438.13km		\$28,862

Appendix 3: Spatial Representation of Roadside Weed Control Program



NOTE: THE FOLLOWING ROADSIDES ARE SCHEDULED FOR AREA 2 AND AREA 3 IN Appendix 5, HOWEVER THEY ARE NOT SHOWN ON THIS MAP. AREA 2; Break O Day Rd-Treat Gorse only, Burns Rd, Clarks Rd, Dairy Creek Rd-GORSE ONLY, Mt Pleasant Rd, Murrindindi Rd-GORSE ONLY, Ti Tree Creek Rd. AREA 3; Fairview Rd, King Parrot Creek Rd-GORSE ONLY, Wentworth Rd

Appendix 4: Weed Control Focus within each Contract Area

1. Weed control focus in each Contract Areas

Contract Area 1 - Highlands The weed control measures in Contract Area 1 are to focus on Montpellier Broom (*Genista monspessulana*), English Broom (*Cytisus scoparius* subsp. *scoparius*), Gorse (*Ulex europaeus*), Sweet Briar (*Rosa rubiginosa*); Paterson's Curse (*Echium plantagineum*); St John's Wort (*Hypericum perforatum*); Blackberry (*Rubus fruticosus* spp.agg.)

Contact Area 2 – Gobur The weed control measures in Contract Area 2 are to focus on Montpellier Broom (*Genista monspessulana*), English Broom (*Cytisus scoparius* subsp. *scoparius*), Gorse (*Ulex europaeus*), Sweet Briar (*Rosa rubiginosa*); Paterson's Curse (*Echium plantagineum*); St John's Wort (*Hypericum perforatum*); Blackberry (*Rubus fruticosus* spp.agg.). Some indigenous species planting in Year 2-competition against weeds.

Contract Area 3 – Yea The weed control measures in Contract Area 3 are to focus on Montpellier Broom (*Genista monspessulana*), English Broom (*Cytisus scoparius* subsp. *scoparius*), Gorse (*Ulex europaeus*), Sweet Briar (*Rosa rubiginosa*); Paterson's Curse (*Echium plantagineum*); St John's Wort (*Hypericum perforatum*); Blackberry (*Rubus fruticosus* spp.agg.)

Contract Area 4 – Strath Creek/Flowerdale The weed control measures in Contract Area 4 are to focus on Montpellier Broom (*Genista monspessulana*), English Broom (*Cytisus scoparius* subsp. *scoparius*), Gorse (*Ulex europaeus*), Sweet Briar (*Rosa rubiginosa*); Paterson's Curse (*Echium plantagineum*); St John's Wort (*Hypericum perforatum*); Blackberry (*Rubus fruticosus* spp.agg.). Some indigenous species planting in Year 2-competition against weeds.

Contract Area 5 – Kinglake/Castella/Toolangi The weed control measures in Contract Area 5 are to focus on Montpellier Broom (*Genista monspessulana*), English Broom (*Cytisus scoparius* subsp. *scoparius*), Gorse (*Ulex europaeus*), Sweet Briar (*Rosa rubiginosa*); Paterson's Curse (*Echium plantagineum*); St John's Wort (*Hypericum perforatum*); Blackberry (*Rubus fruticosus* spp.agg.). Some indigenous species planting in Year 2-competition against weeds.

NOTE: Round-leaf Pomaderris (*Pomaderris vacciniifolia*) is a protected flora species, () listed under the Flora and Fauna Guarantee Act and the Environmental Protection and Biodiversity Act. Round-leaf Pomaderris is present in Contract Area 5 and must not be disturbed.

Contract Area 6 – Triangle The weed control measures in Contract Area 6 are to focus on Montpellier Broom (*Genista monspessulana*), English Broom (*Cytisus scoparius* subsp. *scoparius*), Gorse (*Ulex europaeus*), Sweet Briar (*Rosa rubiginosa*); Paterson's Curse (*Echium plantagineum*); St John's Wort (*Hypericum perforatum*); Blackberry (*Rubus fruticosus* spp.agg.). Some indigenous species planting in Year 2-competition against weeds.

Appendix 5: List of roadsides in each Contract Area under Roadside Weed Control Plan

Contract Area - 1 - Highlands (12 roads)	Distance of road in metres	Weeds previously known to be present	Comments
Brigadoon Road	827	Blackberry, Gorse and Broom, St Johns	
Burgess Road	7481		
Caveat-Dropmore Road	19440	Blackberry, Gorse, Broom, Sweet Briar	
Ghin Ghin Road	16245	Blackberry, Sweet Briar, St John's Wort, Sweet Briar	Endangered EVC
Gum Road	6135	Blackberry, Gorse, Broom, Sweet Briar, Holly	High Conservation Value
Highlands Road	12820	Blackberry, Gorse, Sweet briar, Broom & Holly	High Conservation Value, Undeclared weeds, pine, cotoneaster, ivy
Lades Road	3646	Blackberry, Gorse, Broom, Sweet Briar	High Conservation Value
Old Highlands Road	4155	Blackberry, Sweet Briar	High Conservation Value, Lots wildflowers, Undeclared weeds, blue periwinkle, agapanthus
Sprunts Road	1341	Blackberry, Gorse, Broom	
Switzerland Road	3522	Blackberry, St John's Wort, Sweet Briar	Endangered EVC
Yorston	527	Blackberry, Gorse, Broom	
Yurritas Road	2945	Blackberry, Gorse, Sweet Briar, Broom & Holly	
TOTAL METRES	79084		

Contract Area - 2 Gobur (19 roads)	Distance of road in metres	Weeds previously known to be present	Comments
Arvidson Road	334	Blackberry, Broom, Sweet Briar, St John's Wort	Vulnerable EVC
Frees Road	4174	Blackberry, Broom, Sweet Briar, St John's Wort	High Conservation Value, Vulnerable EVC
Henkes Lane	1035		
Hodsons Lane	2096	Blackberry, St John's Wort, Sweet Briar	Endangered EVC, Hawthorn
Kanumbra-Gobur Road	10,400	Blackberry, St John's Wort, Sweet Briar	High Conservation Value, Endangered, Vulnerable EVC
Lorton Vale Lane	275		Endangered EVC
McGuigans Road	2779	Blackberry, St John's Wort, Sweet Briar	Endangered EVC
Meyland Road	2017	Blackberry, Sweet Briar	Endangered EVC
Middle Creek Road	8760	Blackberry, Broom, St John's Wort, Sweet Briar	High Conservation Value, Endangered ,Vulnerable EVC
Minterns Road	4553	Blackberry, St John's Wort, Sweet Briar	Endangered EVC
Nicholsons Road	1580	Blackberry, St John's Wort	Endangered and Vulnerable EVC's
Old Gobur Road-Gobur	2970	Blackberry, Broom, St John's Wort, Sweet Briar	High Conservation Value, Vulnerable EVC, RToE species Golden Sun Moth & Striped Legless Lizard, Undeclared weeds blue periwinkle, agapanthus
Old Gobur Road- Merton	4907	Blackberry, Broom, St John's Wort, Sweet Briar	Vulnerable EVC, undeclared weeds pines
Parsons Road	1556	Blackberry ,Sweet Briar, St John's Wort	Endangered EVC, RToE species Striped Legless Lizard
Penny Lane	10375		High Conservation Value
Rennies Lane	1505	Blackberry, Broom, Sweet Briar	Vulnerable EVC
Shaws Road	3063	Blackberry, Broom, Sweet Briar	High Conservation Value, Vulnerable EVC
Wrights Road	2280	Blackberry	Endangered EVC
Whites Road	2280	Blackberry	
TOTAL METRES	66939		

Contract Area - 3 - Yea (28 roads)	Distance of road in metres	Weeds previously known to be present	Comments
Abes Lane	3289	Sweet Briar	Endangered EVC, Good cover Kangaroo Grass
Bett Road	830	Blackberry	Endangered EVC, RToE species Striped legless lizard
Break O'Day Road	13,710	Blackberry, St John's Wort, Sweet Briar	Compliance area gorse
Burns Road	2826	Blackberry, Broom	RToE species Turquoise Parrot
Carey Road	1721	Sweet Briar	Endangered EVC
Cheviot Road	3886	Blackberry, Broom, St John's Wort, Sweet Briar	High Conservation value, Endangered EVC
Clarks Road	7076	Blackberry, Sweet Briar, Gorse	High Conservation value, Endangered EVC, Compliance area gorse
Dairy Creek Road	11025		Compliance area gorse
Grannies Lane	3815	Blackberry, St John's Wort, Sweet Briar	High Conservation Value, Endangered EVC, RToE species Striped Legless lizard, undeclared weeds Ivy
Hamiltons Rd	2217	Blackberry, St John's Wort, Sweet Briar	High Conservation value, Endangered EVC, Chilean Needle Grass
Henderside Road	1291	Blackberry, St Johns's Wort, Sweet Briar	High Conservation value, Endangered EVC
Higgins Road	921	Blackberry	Endangered EVC, RToE species Striped legless lizard
Homewood Road	2175	Blackberry, Broom, Gorse, St John's Wort	Endangered EVC, Compliance area gorse
Killingworth Road	14535	Blackberry, St John's Wort	Endangered EVC, RToE species Striped legless lizard
Killingworth Road West	8453	Broom and environmental weeds	Endangered EVC, RToE species Striped legless lizard
Lawrence Road	1130	Blackberry, St John's Wort, Sweet Briar	Endangered EVC
Limestone Road	11650	Blackberry, Broom, St John's Wort, Sweet Briar	National Heritage Site, High conservation value, Endangered EVC, Undeclared weeds Silver poplar, Tagasaste
McLeishs Road	3404	Blackberry, St John's Wort	Endangered/Vulnerable EVC
Mt Pleasant Road	3170	Blackberry, Broom, St John's Wort	High Conservation value, Endangered EVC, Hawthorn, Undeclared weed Agapanthus
Murrindindi Road	19965	Blackberry, Broom, Sweet Briar, St John's Wort	Compliance area gorse
Native Dog Road	3905	Blackberry, Sweet Briar, St John's Wort	High Conservation Value, Endangered EVC, Chilean Needle

			Grass
Racecourse Road	3547	Blackberry, Sweet Briar, St John's Wort	Endangered EVC, Chilean Needle Grass
Recreation Reserve Road	500		Endangered EVC
Ridds Road Molesworth	376	Blackberry, Sweet Briar, St John's Wort	Endangered EVC
Slavin Road	611	Blackberry, Broom, St John's Wort, Gorse	Endangered EVC, RToE species Striped Legless Lizard
Ti Tree Creek Road	6395	Blackberry, Gorse	Compliance area gorse
Whanregarwen Road	16380	Blackberry, Sweet Briar, St John's Wort	Endangered/Vulnerable EVC, Chilean Needle Grass, Hawthorn, Undeclared weed Prunus
Yellow Creek Road	526	Blackberry, Broom, St John's Wort	High Conservation Value, Endangered EVC,
TOTAL METRES	149329		

Contract Area - 4 Strath Creek/Flowerdale (15 roads)	Distance of road in metres	Weeds previously known to be present	Comments
Allendale Road	2261	Blackberry	
Barina Heights	1180	Blackberry	
Brysons Lane	843	Blackberry	
Brysons Road	361	Blackberry	
Fairview Road	4480	Blackberry, Broom, Sweet Briar	Compliance area blackberry, follow up works on last year.
Falls Road-Strath Creek	5717	Blackberry, St john's Wort, Sweet Briar	Endangered EVC
Hannas Road	253	Blackberry	Endangered EVC
Kennys Road	391	Blackberry, Broom, Gorse	Endangered EVC
King Parrot Creek Road	11,770	Blackberry, Broom, Sweet Briar, St John's Wort	Endangered EVC, RToE species Macquarie Perch Compliance area blackberry

Landmark Lane	1190	Blackberry	Endangered EVC
McNally's Road	1550	Blackberry, St John's Wort, Sweet Briar	Endangered EVC
Messmate Road	737	Blackberry, Broom, Gorse	
Minto Road	3256	Blackberry, St John's Wort	
Moore's Road-Flowerdale	3875	Blackberry, Broom, Gorse	Endangered EVC
Old Spring Valley Road	2875	Blackberry, Broom	High Conservation Value, Undeclared weeds Pines, Agapanthus
Spring Valley Road	7970	Blackberry, Broom, St John's Wort, Gorse	Endangered EVC
Upper King Parrot Creek Road	10,025	Blackberry, Sweet Briar, Broom, Gorse	Endangered EVC, RToE species Macquarie Perch
Wentworths Road	930	Blackberry, Broom, St John's Wort, Sweet Briar	Compliance area blackberry, follow up works on last year
Yea Spur Road	4988	Blackberry, Broom, Gorse	Compliance area gorse
Yamby Road	335	Blackberry, St John's Wort, Sweet Briar, Broom	
TOTAL METRES	64987		

Contract Area - 5 - Kinglake/Castella/Toolangi (13 roads)	Distance of road in metres	Weeds previously known to be present	Comments
Beale Ave	1645	Blackberry	High Conservation Value, RToE species Round-leaf Pomaderris
Campbells Creek Road	1460	Blackberry	High Conservation Value, RToE species Round-leaf Pomaderris
Captains Creek Road	2830	Blackberry, Broom, Gorse	High Conservation Value, RToE species Round-leaf Pomaderris
Cherry's Lane	756	Blackberry	High Conservation Value, RToE species Round-leaf Pomaderris
CJ Dennis Road	441	Blackberry	High Conservation Value, RToE species Round-leaf Pomaderris

Cummins Creek Road	440	Blackberry	High Conservation Value, RToE species Round-leaf Pomaderris
Deviation Road	1835	Blackberry, Broom, Holly	High Conservation Value, RToE species Round-leaf Pomaderris
Extons Road	7190	Blackberry, Broom, Sweet Briar	High Conservation Value, RToE species Round-leaf Pomaderris
Larritts Lane	5882	Blackberry, Broom, St John's Wort	High Conservation Value, RToE species Round-leaf Pomaderris
Old Mt Slide	2297	Blackberry, Broom	High Conservation Value, RToE species Round-leaf Pomaderris
Old Toolangi Road	2848	Blackberry	High Conservation Value, RToE species Round-leaf Pomaderris
Old Toolangi- Dixon Creek Rd	1587	Blackberry	High Conservation Value, RToE species Round-leaf Pomaderris
Spraggs Road	2690	Blackberry, Broom	High Conservation Value, RToE species Round-leaf Pomaderris
TOTAL METRES	31901		

Contract Area - 6 Triangle (28 roads)	Distance of road in metres	Weeds previously known to be present	Comments
Acacia Lane	620		
Andersons Lane	1490	Blackberry, Broom, St John's Wort, Sweet Briar, Gorse, Holly	
Batchelor Lane	421	Blackberry, Broom	
Blackwood Lane	628	Blackberry, Broom, St John's Wort	High Conservation Value, Endangered EVC
Bulls Lane	3166	Blackberry, St John's Wort	High Conservation Value, Vulnerable EVC, RToE species Golden Sun Moth

Cathedral Lane	6786	Blackberry, Broom, St John's Wort	High Conservation Value
Cerebus Lane	227	Blackberry, Broom, St John's Wort	
Church Lane	335	Blackberry	
Dyes Lane	1873	Blackberry, Broom, St John's Wort	
Eagles Nest	1456	Blackberry, Broom, St John's Wort	High Conservation Value, RToE species Leadbeater's Possum
Glendale Lane	6410		RToE Species Mountain Galaxias
Gypsy Lane	992	Blackberry, Broom, St John's Wort	High Conservation Value
Knafel Road	2150		
Manby Road East	404	Blackberry, Broom, St John's Wort, Holly	High Conservation Value, Undeclared Weeds Holly
Manby Road West	1093	Blackberry, Broom, St John's Wort, Holly	Undeclared Weeds Holly
Mt Margaret Road	2523	Blackberry, Broom, Sweet Briar	High Conservation Value,, Undeclared weeds Holly, Ivy
Nichols Road	231	Blackberry, Broom, St John's Wort, Holly	High Conservation Value
Norman Road	841		
North Creek Road	1210	Blackberry, Broom, St John's Wort, Sweet Briar	High Conservation Value, RToE Species Brown Toadlet
Passings Lane	958	Blackberry, Broom, St John's Wort	High Conservation Value, RToE Species Buxton Gum
Peppermint Drive	373	Blackberry, Broom, St John's Wort	Undeclared Weed Agapanthus
Retreat Road	345	Blackberry, Broom, St John's Wort	RToE Species Mountain Galaxias
Seal Rock Road	880	Blackberry, Broom, St John's Wort	
South Cathedral Lane	7912	Blackberry	RToE Species Powerful Owl
Telford Street	290	Blackberry, Broom, St John's Wort, Sweet Briar	
Torbreck Street	425		
Williams Road	845	Blackberry, Broom, St John's Wort	Compliance area gorse
Yellow Creek Road	1005	Blackberry, Broom, St John's Wort	High Conservation Value, Endangered EVC
TOTAL METRES	45889		

Statement of Responsibilities

Council will:

- Publish this approved plan (or approved variation to this plan if relevant) on its website within 28 days of approval and ensure copies are available for public inspection at Council's office/s
- Coordinate the implementation of the plan on Council managed roadsides in accordance with the investment principles stated in this plan and the council measures specified in Appendix 1-5.
- Implement best practice weed hygiene principles and protocols
- Maintain accurate records sufficient to provide evidence that the plan has been carried out and provided these to DEDJTR on request.
- Obtain approval from DEDJTR before substantially modifying or varying the plan.
- Carefully consider any proposals from DEDJTR to modify or vary the plan in response to changed circumstances.
- Provide a completion report to DEDJTR within 30 days from expiry of this plan outlining the outcomes of the control measures undertaken.

Declaration

I declare that I am an authorised representative and the information given on this form is complete and correct.

Key contact:

Council CEO:

Name:

Name:

Signature:

Signature:

Date:

Date: