Ecowise Environmental

Department of Agriculture, Fisheries & Forestry

ASSESSMENT OF RISK OF SPREAD FOR STRATEGIC MANAGEMENT OF THE CORE ALLIGATOR WEED INFESTATIONS IN AUSTRALIA - TAKING STOCK

FINAL REPORT

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	Position	Name	Signature	Date
Prepared by:	Principal Consultant	Dr. Nimal Chandrasena		10 October 2008
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For further information on this report, contact:

Name: **Dr. Nimal Chandrasena**
Title: **Principal Ecologist, Ecowise Environmental**
Address: **24 Lemko Place, Penrith, NSW 2750**
Phone: **4721 3477**
Mobile: **0408 279 604**
E-mail: **nchandrasena@ecowise.com.au**

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Final Report

In relation to Financial Assistance for the Activity ID 64331

Risk Assessment for Strategic Management of the Core Alligator Weed Infestation in Australia - Taking Stock

COMMONWEALTH OF AUSTRALIA

As represented by the Department of Agriculture Fisheries and Forestry (DAFF)

ABN 24 113 085 695

Prepared by:

Dr. Nimal Chandrasena
Principal Ecologist
Ecowise Environmental (Vic) Pty Ltd

For

DAFF and

Gutteridge Haskins & Davey Pty Ltd ABN 39 008 488 373

Australian Government
Department of Agriculture, Fisheries and Forestry

GHD

Ecowise Environmental

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Executive Summary

Alligator Weed is acknowledged as an aquatic invader that poses possibly the largest threat to Australian waterways and moist, terrestrial landscapes. Since the threat became evident in the late 1980s, control efforts to manage Alligator Weed using an integrated approach have been continuing. Despite considerable efforts, Alligator Weed has expanded its range across NSW, and is now present in Queensland, Act and Victoria. Ineffective and inconsistent treatment programmes and a variety of other factors have contributed to its spread, far and widely, across the Hunter Region and Sydney Basin in Eastern Australia. These two regions, with deeply entrenched and historical infestations, are regarded as 'core' infestation areas.

Funded by the Commonwealth's 'Defeating The Weed Menace Programme' this Project undertook a comprehensive review of principal vectors of spread of Alligator Weed that are likely to cause further spread within and outside the 'core' infestation regions.

The broad objective was to assess the operational vectors of spread and the risks they pose at the various infestation locations in key sub-catchments of the two regions. Using an agreed Risk Assessment Framework, the vectors of spread operating at the assessed infestation locations were risk ranked. This allowed the prioritisation of the locations as 'Low', 'Medium', 'High' or 'Very High' risk sites, in terms of the collective risks of spread by those vectors.

The Study identified the major vectors of spread as flood, recreational activities (boating and water-related sports), earthmoving and aquatic weed harvesting activities. Irrigation, landscaping, floodplain agriculture and waste/soil dumping were also recognised as significant contributors to spread. In addition, locations of infestations in catchments and waterways (whether upstream, middle or downstream sections or reaches), infestation size and nature-whether aquatic or terrestrial, were also rated as important factors, contributing to spread.

This prioritisation of the above vectors of spread, operational at infestation locations is a first strategic step towards recognising which of those vectors must be targeted for intensive future control, in order to prevent a nation-wide Alligator Weed outbreak.

The Project compiled all available Alligator Weed infestation data from the two regions into a single spatial GIS database using ArcView. Field inspections and scouting achieved adequate coverage in both regions, checking the veracity of previous mapping. Field inspections also located numerous, previously unmapped infestations within some LGAs in both regions. The Study results confirmed a generally held view that a significant increase in the extent of Alligator Weed infestations has occurred, in terms of infested waterways and sub-catchments, as well as levels of infestations at those locations, compared to the known extents in early 1990s.

The assigned risks of spread for the assessed waterways and infested sites are displayed in two new 'baseline' Maps, covering the Sydney and Hunter regions. The digitised ArcView datasets for the two regions can be updated with more comprehensive future mapping and the database is amenable for further analyses of risk factors operating at different locations.

The data can be used for production of maps for each affected LGA, and can then form the basis for future monitoring of outcomes of prioritised control actions. Monitoring 'change over time', as accurately as possible, is essential for successful management of the invader.

Consultations with various stakeholders allowed 'taking stock' of the current state and extent of the Alligator Weed problem in 'core' infestation regions of NSW. Consultations also identified the most important vectors of spread and key issues related to the State-wide management of the infestations. These are summarised below for consideration in future strategic efforts to improve management of Alligator Weed in NSW, and more broadly in Australia.

Inadequate Resourcing and Coordination of Management Effort

Given that a large part of Australia has the climate suitability for invasion by Alligator Weed, there is consensus that leadership, action 'on the ground', current funding levels and resourcing of the management efforts in the two regions have not matched the threat posed by the invader.

Inadequate coordination of control efforts across all LGAs and jurisdictions during the past two decades has led to infestations in some waterways and landscapes receiving treatments, while others receive little or no treatments, hence, contributing to further spread.

Inadequate Priority and Legislative Position

The consensus of Weed Managers in both regions is that the priority given to Alligator Weed in most LGAs is grossly inadequate. This inadequacy is reflected in the downgrading of Alligator Weed from a Class 1 Noxious Weed to a Class 3 noxious weed within much of NSW in 2004. The amended classification reflects the Lead Agency's (NSW DPI) current view that Alligator Weed has spread widely and is deeply entrenched in the 'core' regions. It also suggests a lack of confidence in the likelihood of eradication.

Managing the nation-wide threat posed of Alligator Weed requires re-assigning the highest priority ranking to its management within all States and Territories.

Inconsistency in management performance

Annual control programmes against Alligator Weed have relied on up to three herbicide treatments per year, but infestations of Alligator Weed are notoriously recalcitrant to this standard treatment routine. However, inconsistency in management effort has resulted from the lack confidence in what works and what does not.

Inconsistent approaches (such as number and timing of treatments and delaying herbicide treatments to allow biological agents to do maximum damage), variability in Contractor performance and clarity regarding sub-catchment boundaries have contributed to highly variable 'on-ground' control, particularly in the Sydney Basin.

The way forward, supported by all Stakeholders, is to establish uniform treatment regimes, implement these stringently with adequate resourcing, and monitor performance with agreed, quantitative reporting protocols by technically qualified Weed Managers.

Establishing 'Baseline', Mapping and On-going Monitoring

When resources available for managing an invader are particularly inadequate, the control efforts need to be well targeted, as well as be measurable. This can only be achieved by improving the status of the 'baseline' knowledge on the infestations (for instance, 'baseline as of 2008'), which can then be monitored for 'change over time' with confidence.

Dedicating future resources to on-going mapping, to build a more comprehensive picture, is an acute need in the Sydney Basin, and there are gaps in the Hunter region as well that need to be filled. Future mapping also has to be uniform across the broader areas, so that effectiveness of control programmes can be measured and compared.

Planning Management Action, Implementation at 'local level' and Monitoring

To win the long-term battle against an aggressive coloniser, such as Alligator Weed, it is essential to 'Think Globally, but Act Locally'. The Study revealed that a great deal of strategic planning has already occurred over the past two decades, at all levels- National, State and Regional level, as well as at the catchment level.

However, the support for implementation of the various Strategic Plans has been lukewarm at best, at all levels. The real challenge therefore is to translate Strategic Plans to Action Plans. The way forward include the following:

- **Local Implementation Plans**

Successful management of Alligator Weed can only be achieved by implementing 'location or site-specific' or 'asset-specific' weed management plans (i.e. Local Implementation Plans).

For this planning to occur, comprehensive details are required on the infested sites (mapping), their extent, nature of adjacent vegetation, ownership of lands and waterways and what integrated approaches might be applicable at individual locations and jurisdictions.

- **Formalized process to assign accountability**

There is no formalized process to assign responsibilities and monitor outcomes, in terms of effectiveness of implemented programmes, which are funded largely by NSW DPI's Noxious Weeds Advisory Committee (NWAC) Grants.

Tightening the reporting requirements of the State funds spent on Alligator Weed, currently coordinated via Regional Weed Committees is regarded as a must. This reporting must occur on a prescribed format, reflecting the highest priority assigned to Alligator Weed.

Audits of performance, based on expected outcomes of the integrated management approaches adopted, are required at least biannually, to responsibly account for public funds.

- **Contractor Performance**

For the past 10 years or so, there has been no independent monitoring of performance of Contractors, or how well the implemented programmes have performed within each LGA.

Notwithstanding the considerable progress that has been made by diligent efforts of some LGAs, the mind-set that reliance on getting three herbicide treatments per year by any Contractor satisfies the regulatory requirement is manifestly flawed and needs to be reviewed if the war against Alligator Weed is to be won in the future.

Research and Development Needs

There is still debate among researchers and weed managers as to what further R&D is needed to improve Alligator Weed management in Australia. Recent research has covered many aspects of weed ecology and biology, including biomass production, seasonality, factors controlling growth and resource allocation under aquatic and terrestrial habits.

On the control-related research, several promising, new biological control agents are still under evaluation at CSIRO Entomology laboratories. However, there is agreement that there would be high reliance on herbicides for several more years.

The availability of non-selective 'Bi-Active' Glyphosate and the highly selective, Metsulfuron-Methyl is likely to improve control efforts across the State over the next few years. However, there are several gaps in knowledge, particularly regarding the use of Glyphosate in Alligator Weed management. These relate to uptake, translocation and metabolism (i.e. 'mode of action') and various plant-related, formulation and environmental factors affecting those processes.

Among continuing R&D needs are the causes of fragmentation caused by sub-lethal doses and its prevention, and determining an effective 'treatment regime'- i.e. effectiveness of multiple 'short-gap' applications, split applications, sequential applications, and/or herbicide combinations. Among formulation factors, there is an urgent need to test the incorporation of biodegradable, 'new generation' additives, to improve the field performance of both herbicides.

In addition, the integration of control options, particularly for containment of spread using barriers, such as weed matting, also needs to be supported with effectiveness demonstrations.

Increasing Community Awareness and Engagement

The importance of increasing community awareness of the threats posed by Alligator Weed is undisputed. Educational materials (brochures, pamphlets and posters) have been disseminated widely in all regions, highlighting the problem.

In a new management initiative, these awareness campaigns need to continue, although a more targeted approach appears necessary- i.e. developing educational material that addresses particular situations faced by stakeholders, such as the Road Traffic Authority, Rail Authority, water utilities and their Contractors. Participation of agency stakeholders must be achieved, to give them ownership of the outcomes.

In dealing with vast terrestrial infestations in private properties and landholdings, mainly in Port Stephens and Maitland LGAs, new community engagement strategies are warranted. The most promising approach appears to be to engage landholders through an incentive scheme. Such schemes are well established and are coordinated within the funding frameworks of CMAs.

Inter-agency Cooperation and Multiple Stakeholder Cooperation

The study revealed that the attention paid to Alligator Weed by various State Agencies and public authorities is often inadequate. Activities of several State-owned entities have caused the spread of Alligator Weed through contaminated earth-moving equipment and fill material.

Leadership is required to successfully engage multiple stakeholders, garner goodwill, invoking effective partnerships and to work cooperatively to reduce the potentially national threat.

Agencies, which need to be engaged in a strategic management initiative, should include those managing highways, rail corridors, water utilities and the Defence Estate. Having the legislative requirements to back the call for cooperation is a must in this endeavour.

A Final Word

There is still a widely expressed sentiment that Alligator Weed management is rarely successful or even possible. However, the experiences of containment in the Hunter Rivers, and several urban creeks and wetlands in Sydney, indicate that this pessimism is not justified.

Poor planning and lack of leadership, combined with lack of performance-based implementation in most situations, have exacerbated the effects of resource deficiencies. With well-planned and committed programmes, a much higher level of success in 'maintenance management' or containment is achievable by integrated actions.

A clearer commitment from all Stakeholders is needed to allow better access to sharing of resources, funding, expertise, public involvement and review. Such a commitment will ease the organisational lethargy, lack of resources and inadequate priority attached to Alligator Weed.

Above all, the success of containing the further spread of Alligator Weed in any geographical jurisdiction depends on an outcome-oriented resolve to rigorously monitor the effectiveness of control actions, report on overall success and learn from experiences.

This Study, it is hoped, is the beginning of a new strategic initiative towards incrementally arresting the spread of Alligator Weed, leading towards its containment in the first instance, and eventually managing the nation-wide threat.

Acknowledgements

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- Brian Worboys (Maitland)
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Dr. Nimal Chandrasena

Ecowise Environmental

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1 Introduction

1.1 Background

Alligator Weed (*Alternanthera philoxeroides*) is a potentially devastating aquatic and terrestrial invasive species affecting waterways, poorly drained and floodplain areas (**Plates 1-4**). It is widely regarded as posing the greatest aquatic weed threat to Australia's freshwater river systems (Griffith, 1989; ARMCANZ, 2000; Ensbey, 2001).

Alligator Weed has extremely vigorous growth, broad ecological amplitudes and great tolerance to normal control measures, all of which makes it a major threat to rivers, streams, wetlands, irrigation systems, agriculture and rural properties. It has been long established and deeply entrenched in tow regions in Eastern NSW, i.e. the Sydney basin and the Hunter region, which are considered as 'core' infestation areas.

Plate 1. A close-up view of Alligator Weed, showing growth habit

Plate 2. Alligator Weed forming extensive mats over water in infested waterways

Plate 3. A large Alligator Weed infestation in Smalls Creek, Sydney

Plate 4. Alligator Weed infesting flood-prone paddocks in Williamtown, Port Stephens (Photo: Graham Prichard)

Alligator Weed has not reached its potential range in Australia, but has the potential to devastate the environment and agriculture if unchecked. Outside the two 'core' regions, Alligator Weed occurs in some other parts of NSW (such as Barren Box Swamp in Griffith) and as minor infestations in a few suburbs of Canberra, ACT.

There are also relatively small infestations in the ACT, Queensland and Victoria as well, largely associated with the major cities- Canberra, Brisbane and Melbourne. However, the potential for Alligator Weed to spread and establish in Australia is far wider than its current distribution, as indicated by climate suitability matching (**Figure 1**). Recognising this, Alligator Weed is listed as one of twenty 'Weeds of National Significance' (WoNS) in Australia.

Alligator Weed is a native of South America and is a major problem in many countries outside its native regions. These countries include United States (south- east), China, New Zealand, Burma, Thailand, Indonesia and India.

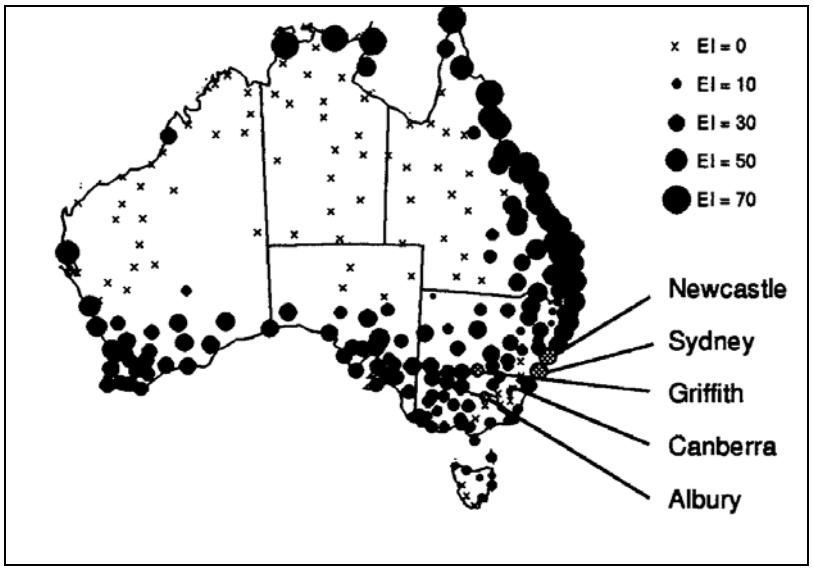

Figure 1. Areas with climate suitability for Alligator Weed establishment.

EI - Eco-climatic Index
EI < 30 potential for permanent populations low
EI > 50 potential very high

(Source: Julien *et al* 1995)

Under the *NSW Noxious Weeds Act 1993*, it is declared a **Class 2** noxious weed throughout most of NSW and a **Class 3** noxious weed in the 'core' infestation regions- Sydney basin and much of the Hunter region (**Figure 2**).

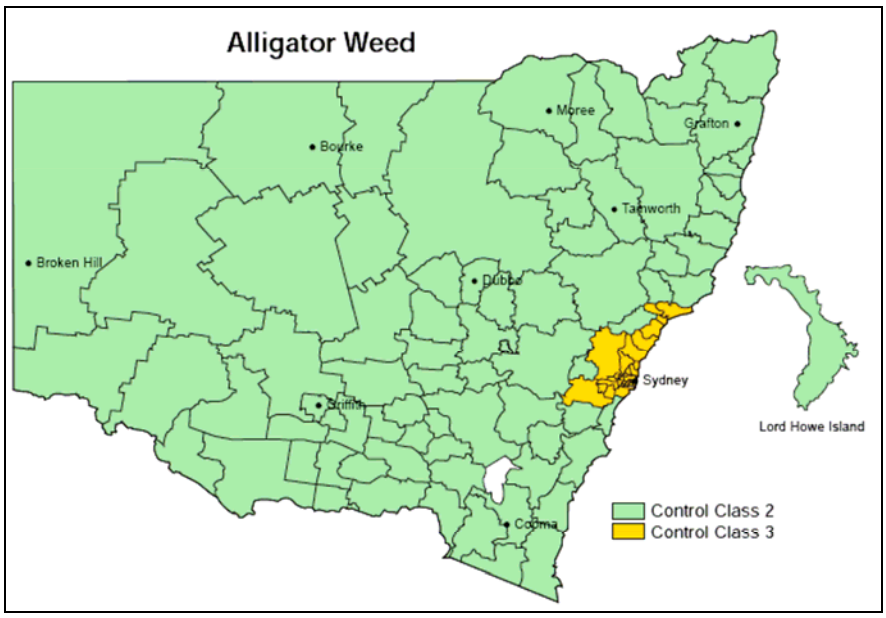

Figure 2. Declaration of Alligator Weed in NSW by region

(source: NSW DPI PrimeFacts 726, Suppression of Alligator Weed in Pastures, Feb 2008)

The essential requirements arising from the declaration are:

- As a Class 2 noxious weed, Alligator Weed needs to be 'eradicated from the infested land and the land must be kept free of the plant'. All outbreaks must also be reported to the local council within three days.
- Control requirements for Class 3 noxious weeds are that 'the plant must be fully and continuously suppressed and destroyed'.

A summary of the LGAs affected is given in **Table 1**. The Act requires that actions to meet the above requirements to be taken by all agencies, landholders, control authorities and the community at large, without exception.

Table 1. Current Declaration of Alligator Weed by Local Government Area

Class	LGA- Sydney basin	LGA- Hunter region
Class 3 Control requirements for Class 3 noxious weeds are that 'the plant must be fully and continuously suppressed and destroyed'	▪ Ashfield; Auburn ▪ Bankstown; Baulkham Hills ▪ Blacktown; Botany; Burwood ▪ Camden; Campbelltown; Canterbury ▪ Fairfield; Hawkesbury ▪ Holroyd; Hornsby; Hunters Hill; Hurstville ▪ Kogarah; Ku-ring-gai ▪ Lane Cove; Leichhardt; Liverpool ▪ Manly; Marrickville; Mosman; North Sydney ▪ Parramatta; Penrith; Pittwater ▪ Randwick; Rockdale; Ryde ▪ Strathfield; Sutherland; Sydney ▪ Warringah; Waverly; Willoughby ▪ Wollondilly; Woollahra,	▪ Cessnock ▪ Gosford ▪ Lake Macquarie ▪ Maitland ▪ Newcastle ▪ Port Stephens ▪ Wyong.
Class 2 Class 2 noxious weeds must be eradicated from the land and the land must be kept free of the plant. As a notifiable weed, all outbreaks must be reported to the local council within 3 days.	Throughout the State except for the LGAs where Alligator Weed is declared a Class 3 noxious weed.	

1.2 Context of the Study

The National *Alligator Weed Management Strategy* (ARMCANZ, 2000) provides the context for the current on the national level. The essential thrust of this Strategy for Alligator Weed management, as a Weed of National Significance is summarised as follows:

1. Prevent further spread of the weed

⇒ Prevent new introductions to Australia;

⇒ Identify and protect high risk sites;

⇒ Identify likely vectors to reduce dispersal;

⇒ Educate the community through catchment awareness education programmes;

⇒ Coordinate actions at all levels by forming implementation committees at both national level and state level.

2. Identify and eradicate all non-core infestations

⇒ Raise public awareness by targeted campaigns, e.g. ethnic communities;

⇒ Undertake survey programmes to identify, record and map the extent of infestations, developing a standardised database;

⇒ Eradicate all known infestations outside core infestations within 10 years of detection;

⇒ Implement a 5-year programme of inspections and monitoring after the last observed occurrences.

3. Manage core infestations to minimise impacts and minimise the threat to other areas

⇒ Define core areas and prioritise core infestations;Develop and implement state or regional strategic management plans for each core infestation;Foster and expand the role of community groups to implement plans;

⇒ Improve catchment management;

⇒ Identify knowledge gaps;

⇒ Research investigations to continuously improve integrated management options;

⇒ Review options to build efficiencies.

1.3 Recent research and management efforts

Over the past two decades, significant research has been conducted in Australia, improving the 'knowledge base' for integrated management of Alligator Weed. Much of this research was undertaken under the auspices of the *CRC for Australian Weed Management*, through research conducted by scientists at CSIRO Entomology and NSW Department of Primary Industries (NSW DPI, formerly NSW Agriculture).

Many journal papers have been published (Julien *et al*., 1992; 1995b; Bowmer and Eberbach, 1993; Bowmer *et al*., 1993; Sainty *et al*., 1999; Schooler *et al.*, 2007; 2008; Wilson *et al.*, 2007). Others research and management success stories papers have been communicated at weed conferences (Bowmer, 1992; Julien et al*.,* 1995; Gunasekera and Rajapakse, 1998; Julien and Stanley, 1999; Gunasekera *et al.,* 2002; Chandrasena *et al*., 2004; Chandrasena and Pinto, 2007; Meyer *et al.*, 2007).

These studies have highlighted various aspects of biology and ecology of Alligator Weed relevant to management and key social and environmental issues influencing management. They have also discussed case studies of successful projects and also opportunities to improve control options.

Responding to the threat of Alligator Weed, NSW DPI has produced several Alligator Weed Fact Sheets (Griffith, 1989; Ensby, 2001; Cook and van Oosterhout, 2008), also highlighting the extent of the problem within the State, identifying key issues and management options.

These endeavours have been complemented by the management efforts from various Local Government Authorities (LGAs) and NSW State-owned agencies, like Sydney Water Corporation and researchers working on Alligator Weed at Victoria's Department of Primary Industries and Queensland's Department of Natural Resources.

In addition to the National Alligator Weed Management Strategic Plan, several regional and State-wide management frameworks have also been developed. These include the following:

- Alligator Weed Management Strategic Plan for the Hawkesbury-Nepean Catchment (NSW DPI, 2001);
- CRC Alligator Weed Management Guide (CRC, 2003);

- Regional Weed Management Plan- Greater Sydney and Hunter Region Alligator Weed Management Plan (NSW DPI 2004); and
- Alligator Weed Control Manual (NSW DPI 2007).

Several meetings and workshops, sponsored by the *CRC for Australian Weed Management*, further augmented the above management efforts (CRC 2002, 2003).

Despite these considerable efforts, Alligator Weed has continued to invade more territory, causing continuing concern that the integrated management efforts need to be more strategically targeted to achieve better outcomes.

1.4 Scope of the Project and Report

This Report contains the results of Risk Assessments of Alligator Weed infestations, conducted in the 'core' infestation areas of Sydney and Hunter regions, in Eastern NSW.

The primary objective of this Project was to identify high risk sites within these two 'core' infestation regions in terms of potential 'break out' and further spread from the regions. The results are expected to form the first stage of a long term goal of more strategic and effective management of the 'core' infestations of Alligator Weed in these two regions.

Under advice from the National Aquatic Weeds Coordinating Group, the Commonwealth's 'Defeating The Weed Menace Programme' (DWM)[1] funded the Project. The Scope was as follows:

- Review all available Alligator Weed infestation data, including mapping data from all Local Government Areas (LGAs) covering both Sydney and Hunter regions;
- Collate all data (spreadsheets, hardcopy maps, photographs, observational notes) into a ARC GIS-linked database, digitise all data for easy manipulation and production of meaningful maps, indicating change over time;
- Conduct extensive consultations in Workshop Forums and by one-on-one interviews, to achieve maximum participation from weed managers, weed officers, catchment management officers and other interested stakeholders from LGAs, Catchment Management Authorities, NSW Department of Primary Industries (NSW DPI) and land-owner agencies;
- Conduct selected field visits for inspections, achieving adequate coverage in both regions, checking the quality and veracity of gathered data, accuracy of mapping and coverage, and identifying gaps;
- Develop an agreed Strategic Risk Assessment Framework, focusing on 'vehicles of spread', apply the framework to both regions and categorise infested sites for priority action, displaying the information on the GIS-linked database;
- Critically assess the key issues related to the on-going management of Alligator Weed in the two regions, discuss the results, and make recommendations to improve future management.

[1] DWM is an assistance programme for which the Australian Government provided funds to reduce the impact of weeds on the sustainability of Australia's productive capacity and natural ecosystems. This goal is to be achieved through prevention and control of the most threatening and invasive weeds in Australia, by means of management strategies, research, biological control and community awareness and action.

2 Study Methods

2.1 Locations and Site Visits

To achieve the above objectives, the Project covered LGAs that have the most significant of the known Alligator Weed infestations in the Sydney basin (39 LGAs) and Hunter region (7 LGAs).

Field visits were undertaken during the period August 2007 to May 2008, visiting as many infestations as possible, with and without the participation of weed officers of different LGAs.

In Sydney, information on previously known locations of Alligator Weed were obtained from the Coordinators of NSW DPI's Sydney Regional Weed Committees, as GIS layers. Several weed officers then supplemented this information with more specific Alligator Weed infested locations marked on hard copy maps. Guided by this information, and previous knowledge of infestations, the basin was extensively covered and surveyed.

In the Hunter, information on previously known locations of Alligator Weed prior to June 2007 floods were obtained from the Hunter Councils, as a GIS layer. This information, gathered around 2004 (*pers. comm*., Michael Sommerville, Hunter Councils), formed the basis of generating the infestations Map for the Hunter region.

The Port Stephens Council supplemented this with updated information from 2006-07 on a GIS layer. All other LGAs in the Hunter region provided updated information as of 2007-08, as hard copy maps, which allowed the locations to be inspected and data captured on GIS.

In both regions, scouting was extensively conducted, capturing new information on infestations by GIS. The inspections focused attention on the level of infestations of Alligator Weed at the infested sites, in terms of size and density, attributes of the associated landscapes and the potential 'vectors of spread' that posed risks of causing Alligator Weed spread from those infested locations.

The site visits allowed an appreciation of the issues involved in control of Alligator Weed at different locations, including the nature of the affected waterways (such as major rivers, tributaries, creeks, drains, swamps, wetlands), or in the case of terrestrial infestations, the properties affected.

Issues of concern include access, ownership of land, levels of degradation associated with the waterways, in both urban and rural areas.

2.2 Information Review and Consultations

To update the understanding of the Alligator Weed management frameworks in NSW, the NSW DPI web site (www.dpi.nsw.gov.au) was examined. Key information reviewed include the following:

- NSW DPI, Alligator Weed, Agfact P7.6.46, second edition, July 2001 (Ensbey, 2001);
- A Draft of a NSW Weeds Strategy for the Control of Alligator Weed (*Alternanthera philoxeroides)* 1999 (NSW DPI, 1999);
- Strategic Plan for the Management of Alligator Weed in the Hawkesbury-Nepean Catchment, Hawkesbury-Nepean Aquatic Weeds Task Force, 2001 (NSW DPI, 2001);
- Regional Weed Management Plan- Greater Sydney and Hunter Region Alligator Weed Management Plan (NSW DPI 2004); and
- NSW DPI, PrimeFacts 726, Suppression of Alligator Weed in Pastures, Feb 2008 (Cook and van Oosterhout, 2008).

In addition, various stakeholders were consulted for information on known infestations and also on what they considered to be the most significant risk factors likely to cause further spread of Alligator Weed outside the 'core' infestation areas.

Among the key Stakeholders consulted were the following:

- National Coordinator for Aquatic Weeds and NSW DPI- Aquatic Weeds Officers;
- In the **Sydney Basin**, Weed Officers from various Councils, including Penrith, Blacktown, Fairfield, Liverpool, Campbelltown and Wollondilly, Hawkesbury-Nepean CMA, Sydney Metro CMA, and Hawkesbury River County Council (HRCC);
- In the **Hunter Region**, Weed Officers from Cessnock, Gosford, Lake Macquarie, Maitland, Newcastle, Port Stephens and Wyong Councils and the Hunter Councils.

2.3 Risk Factors

The high-risk vectors of spread that had been already identified by the National Aquatic Weeds group (**Table 2)** formed the starting basis for developing the risk assessment framework. Consultations with Stakeholders confirmed these risk factors. In addition, other factors were also considered, as discussed below.

Table 2. Known Vectors of spread for Alligator Weed and associated risk level

Vector of Spread	Risk Level
Floods (of varying magnitude)	High risk
Boats and recreational crafts	High Risk
Earth moving activities and equipment, such as Trench Diggers	High risk
Aquatic Plant Harvesters	High risk
Soil/waste dumping, including Garden/aquarium dumping	High risk
Irrigation canals, pumps and irrigation equipment	High risk
Landscaping activities- Mulching	High risk
Boat trailers	Medium risk
Fishing nets	Medium risk
Floodplain agriculture- Turf farming and movement	Medium risk
Floodplain agriculture- Cattle grazing	Medium risk
Landscape activities, including mowing and slashing	Medium risk

Note:

At the early stages of the consultations, Stakeholders agreed that hitherto untreated areas represented one of the more significant potential risks, in terms of Alligator Weed breaking out of an area through other vehicles of spread. However, it was felt necessary to disregard this factor in the Risk Assessment, but highlight the fact in discussions, for the following reasons:

- As a Class 2 or Class 3 declared weed under the *Act*, control action on Alligator Weed needs to be taken by all control authorities and landowners;
- Results of control effectiveness on the ground has been very variable in both regions;

The list of Risk Factors to be considered in the Risk Assessment was discussed widely with Weeds Officers for their applicability. The Risk Assessment Framework considered Risk Level categories- 'Low', 'Medium', 'High' and 'Very High' Risks.

The rationale and importance attached to each Risk Factor are discussed below with the assigned score for each.

Risk Factor 1- Floods

Floods in the major rivers and large creeks are clearly the highest rated risk factor related to spread and break out of Alligator Weed from 'core' infestations in both regions.

In the two 'core' regions, Alligator Weed infestations occur on long stretches of several major rivers (Hawkesbury-Nepean River, Georges River and South Creek in the Sydney basin; and Hunter, Paterson and Williams Rivers in the Hunter Region).

All of these rivers flood regularly, and a very large flood could occur once in about 20-30 years or so, as was evident in the flood in the Hunter, which occurred in June 2007. The last time a flood of a similar magnitude, which raised the height of the river by more than 20 m in many locations, occurred in the Hawkesbury-Nepean River in 1993 (*pers. comm*., David Karlson, HRCC). Various smaller waterways- urban creeks and stormwater discharge drains and canals, in both regions, flood regularly, affecting low-lying, flood-prone public reserves and private properties.

However, the spread risk varies due to the frequency and intensity of flooding, as well as locations of waterways (**Plates 5-6**), which were captured in the risk levels, given below (**Table 3**).

Table 3. Risk of Floods

Risk	Risk Description	Score
Low	Flood risk Not applicable	0
Low	Low and infrequent flood risk, typically terrestrial locations	1
Medium	Minor risk of spread to floodplain or to other waterways by local floods	2
High	Risk of spread by flood high; local floods, typically flooding in creeks and drains	3
Very High	Risk of spread by flood very high; major floods in rivers and creeks	4

Plate 5. Heavy Alligator Weed infestations in Devlin and Shaws Lakes, Hawkesbury River, (Photo- Rebecca Coventry)

Plate 6. Alligator Weed infested drain in Williamtown, Port Stephens Council, Hunter; (Photo- Rebecca Coventry)

Risk Factor 2- Recreational Activities

Recreational activities in the major rivers- water sports, boats, and crafts, recreational fishing- were rated as the second most important risk factor, along with general access of infested waterways by the public for recreational pursuits. The risk descriptors and scores (**Table 4**) reflect the risk levels, which increases with the frequency and intensity of recreational activities, particularly in Alligator Weed infested areas.

Table 4. Risk of Recreational Activities

Risk	Risk Description	Score
Low	Risk Not applicable	0
Low	Infrequent recreational activity, small amounts of Alligator Weed present	1
Medium	Infrequent activity, but significant amounts of Alligator Weed present	2
High	Medium activity, popular area, Alligator Weed present	3
Very High	High to very high recreational activity, popular area, Alligator Weed present	4

Risk Factor 3- Earth Moving activities

The third highest ranked risk factor was earth-moving activities (**Plates 7-8**). Trench digging is a common activity in the Hunter region for maintaining flood mitigation drains. This is recognized as a high risk factor that causes Alligator Weed spread through contaminated machinery.

Although trench digging is not common in the Sydney basin, new urban developments are common in many Alligator Weed infested outer suburbs of Sydney, such as in the north-west sector (i.e. Rouse Hill Development Area) and the south-west sector (Campbelltown, Liverpool and Fairfield LGAs). Thus, earth-moving machinery present a large risk in the Sydney basin as well.

The risk of this factor, however, is considerably reduced by accessibility to sites in both regions (**Table 5**). For instance, frontages of extensive reaches of the Alligator Weed infested major rivers (Hawkesbury-Nepean and Georges Rivers in Sydney; Paterson, Hunter and Williams Rivers in Hunter) are inaccessible for earth-moving equipment, except at specific locations.

Table 5. Risk of Earth Moving Activities

Risk	Risk Description	Score
Low	Risk Not applicable	0
Low	Possible	1
Medium	Alligator Weed in the vicinity, Earth moving infrequent because of inaccessible site	2
High	Alligator Weed in the vicinity, Earth moving likely and good site access	3
Very High	Alligator Weed in the vicinity, Earth moving likely as part of routine maintenance activities, or development of the area likely	4

Plate 7. Earth moving equipment represents a considerable risk for spread of Alligator Weed (Photo- Brain Worboys)

Plate 8. Workers cleaning machinery before transport from a site (Photo- Brain Worboys)

Risk Factor 4- Irrigation and related activities

Irrigation activities, particularly channel irrigation and the regular use of high bore pumps from Alligator Weed infested rivers and creeks presents a high risk that could cause further spread.

Low awareness among the community of the potential of irrigation activities to spread Alligator Weed exacerbates the problem (**Table 6**). However, this risk diminishes considerably with size of pumps and use frequency, as reflected in the risk scores given below.

Table 6. Risk of Irrigation Activities

Risk	Risk Description	Score
Low	Risk Not applicable	0
Low	Some irrigation is possible and could occur	1
Medium	Alligator Weed in source water, small pumps, low volume and/or drip irrigation	2
High	Alligator Weed in source water; High bore pump, constant or regular use from infested locations; low awareness	3
Very High	Alligator Weed in source water; High volume channel irrigation; low awareness	4

Risk Factor 5- Commercial activities including Fishing and Aquatic Weed Harvesting

Commercial fishing with net-haul and other kinds of fishing gear, conducted in certain reaches of the large rivers, present a high risk in both Sydney and Hunter regions. The risk varies with the frequency of such activities, poor hygiene associated with operations and by the presence of varying amounts of Alligator Weed in those reaches (**Table 7**).

High intensity aquatic weed harvesting presently occurs in many reaches of the rivers, mainly the Hawkesbury-Nepean River in Sydney, and at specific locations like the Botany Wetlands. Similar harvesting could occur in the Hunter region as well in the future. The common view among Weed Officers is that aquatic weed harvester machines represent one of the most significant of the risk factors. The 'Very High' score given below reflects that concern.

Table 7. Risk of Commercial Activities

Risk	Risk Description	Score
Low	Risk Not applicable	0
Low	Some activity, small amounts of Alligator Weed present	1
Medium	Some activity, significant amounts of Alligator Weed present; poor hygiene	2
High	Common activity, Alligator Weed present; poor hygiene practices	3
Very High	High commercial activity, low awareness, Aquatic Weed Harvesting operations	4

Risk Factor 6- Soil and Waste Dumping

Disturbances caused by dumping of contaminated soil, garden waste, mown clippings and the like are recognized as potential vehicles of spread. The risk is highest where Alligator Weed is present in the nearby areas, or when fill and green waste are dumped near watercourses.

Evidence of dumping and disturbance is a familiar sight at abandoned tip sites, industrial areas and derelict parcels of lands, which are common in both regions. This factor was also considered particularly relevant at currently undeveloped lands, but with development potential and interest in both Sydney and Hunter regions (**Table 8**).

Table 8. Risk of Soil, Waste Dumping

Risk	Risk Description	Score
Low	Risk Not applicable	0
Low	Soil/Waste dumping is possible	1
Medium	Some evidence of soil/waste dumping	2
High	Alligator Weed present in the vicinity; Evidence of soil/waste dumping common	3
Very High	Alligator Weed present in the vicinity, Likely development area; dumping is common, close to waterways/swamps	4

Risk Factor 7- Landscaping related activities, including slashing, mowing and mulching

All landscaping-related activities, such as slashing, mowing and mulching, particularly related to Council-maintained public reserves and parks, represent significant risks of spread. As acknowledged in the Hunter region, the risk is related to the level of awareness of Council operators; frequency of the activities and machine hygiene, as well as monitoring. The assigned scoring reflects this (**Table 9**).

Contaminated mulch (**Plate 9**) is also recognized as an important vehicle of spread, as evident from several instances in the Sydney basin. The greater risk is related to mulch from unknown sources, and is compounded by low awareness and lack of monitoring.

Table 9. Risk of Landscaping Activities

Risk	Risk Description	Score
Low	Risk Not applicable	0
Low	Infrequent activity	1
Medium	Any activity in vicinity of Alligator Weed; Good awareness, hygiene and monitoring	2
High	Any activity where Alligator Weed is present; Low awareness and poor hygiene practices; no monitoring	3
Very High	Regular/high maintenance area where Alligator Weed is present; Lack of awareness, poor hygiene practices, Mulch from unknown source	4

Risk Factor 8- Floodplain agriculture, including turf farming, vegetables and grazing

Agricultural pursuits in the floodplain are also a major risk factor that could cause further spread of Alligator Weed, and the risk is related to the extent of community awareness. Grazing is considered a low risk, as grazing by cattle continually reduces Alligator Weed biomass (**Plate 10**).

Turf farming is recognized as posing a potentially higher risk, as some isolated infestations at sporadic locations have been attributed to movement of turf. However, Weed Officers acknowledged that turf farmers keep a constant watch on contamination by Alligator Weed. Vegetable farming, with low awareness of Alligator Weed, represents a higher risk, and high-intensity agriculture with a mixture of farming types, equipment, frequent vehicle movements and activities, the highest risk (**Table 10**).

Table 10. Risk of Floodplain Agriculture

Risk	Risk Description	Score
Low	Risk Not applicable	0
Low	Grazing only	1
Medium	Turf only, Low awareness	2
High	Vegetable farming; Low awareness	3
Very High	High intensity agriculture, Low awareness, frequent activities	4

Plate 9. Contaminated Mulch as a source of Alligator Weed (Photo- Rebecca Coventry)

Plate 10. Stock feeding on Alligator Weed (Photo- Graham Prichard)

Risk Factor 9- Location in catchment and 'Critical Sites'

This factor recognises that infestations in uppermost parts of major river catchments and sub-catchments of the Sydney basin and Hunter region, could spread further from those upstream locations, and hence should be the highest priority for future control.

The same rationale was applied in scoring the risk of spread from specific rivers and waterways, i.e. uppermost reaches were scored higher, so that the priority attached to them would be higher.

In comparison, scores for infestations in lower parts of drainage basins, flood-prone lands and waterways reflect a lesser risk of further spread in those areas, particularly if the lowermost reaches of the watercourses are tidal (**Table 11**).

This factor also took into account as 'Critical Sites' and isolated 'break-out' infestations of Alligator Weed away from the 'core' infestations, allowing a high score to be assigned to 'critically-important' infested sites, such as Botany Wetlands (Sydney) (**Plate 11**) and Mambo Wetlands (Hunter), both of which are nationally-listed for biodiversity conservation purposes. Proximity of infestations and spread factors operating in the vicinity of various other high biodiversity locations, such as Hexham and Jewells swamps in the Hunter region also received a 'very high' risk score.

Table 11. Risk of Infestation location in Catchment and/or 'Critical Sites'

Risk	Risk Description	Score
Low	Lowest part of sub-catchment and/or drainage line/basin	1
Medium	Middle part of sub-catchment and/or drainage line/basin	2
High	Upper-most part of sub-catchment and/or drainage line/basin	3
Very High	"Critical Sites", including Isolated patches	4

Risk Factor 10- Size of infestations, including whether aquatic or terrestrial

Size of infestations represents a clear risk; larger the infestations, higher the chances of spread from a break out. In assessing this risk at an infested location, consideration was given to the gross infestation present within about a 100 m radius from an infestation. Areas with gross infestations exceeding 100 m^2 scored a very high risk of spread (**Table 12**).

Weed Officers agreed that the terrestrial growth habit, with more hardy plants, presents a higher risk in terms of spread and subsequent establishment at different locations, compared to the softer aquatic growth habit (**Plate 12**). The scoring reflects this recognition.

Table 12. Risk of Size of Infestations

Risk	Risk Description	Score
Low	Small, only a few plants, Aquatic infestations	1
Medium	Small, only a few plants, Terrestrial infestations	2
High	Gross area 20-100 m^2 in one location	3
Very High	Gross area >100 m^2 in one location	4

Plate 11. Botany Wetlands, Mill Pond (Upstream) with heavy infestations of Alligator Weed

Plate 12. Habit of Terrestrial Alligator Weed

2.4 Risk Assessment Method

The Risk Assessment process applied the above framework, summarised in **Table 13**, to all of the known Alligator Weed infestations and sites within different LGAs.

Weeds Officers in the Hunter region, who have comprehensive knowledge of locations as well as factors operating at those locations in their respective LGAs, participated fully in this assessment.

In the Sydney region, the framework was applied with the assistance of the Hawkesbury-Nepean Aquatic Weeds Officer (Rebecca Coventry), Hawkesbury River County Council Staff (representing Hawkesbury, Penrith, Blacktown and Baulkham Hills Shire LGAs) and several other Weeds Officers from major infestation areas.

The framework was tested by applying it to known infestations, at different locations and landscapes. It was evident that not all of the ten risk factors were applicable at all sites, although at most sites up to eight factors could be scored.

The non-applicability of some factors results in none of the sites scoring the highest in any category. To accommodate this, the following final Risk ranges were adopted:

⇒ **Low Risk-** **1-10**

⇒ **Medium Risk-** **11-15**

⇒ **High Risk** **16-20** **(minimum 4/10 very high risks)**

⇒ **Very High Risk** **>21** **(minimum 5/10 very high risks)**

Weeds Officers from both regions agreed on the scoring results. Specific details of the infestations (locations, risk factors and scores) are given in **Appendix 1** (Sydney) and **Appendix 2** (Hunter).

Table 13. Risk Framework used in the risk assessment

Priority Scoring		Aquatic Floods, Floodplain invasion	Aquatic & Terrestrial Recreational boats, crafts fishing, public access	Aquatic & Terrestrial Earth Moving Activities- trenches, digging	Aquatic Irrigation Pumps and irrigation channels	Aquatic Commercial fishing; Eel trapping; Aquatic Weed Harvesting	Terrestrial Soil/garden/ aquarium waste dumping	Terrestrial Landscape Activities, mowing, slashing, Mulching	Terrestrial Floodplain agriculture	Location related Catchment "Critical sites"	Size of Infestation Aquatic or terrestrial	Risk Score
Low	**0**	NA	NA	NA	NA	NA	NA	NA	NA	Lowest part of sub-catchment and/or drainage line/basin	Small, only a few plants Aquatic	**Low** **1-10**
	1	Low and infrequent flood risk	Infrequent activity, small amounts of AW	Possible	Possible	Some activity possible	Possible	Infrequent activity	Grazing only			
Medium	**2**	Minor risk of spread to floodplain or to other waterways	Infrequent activity, significant amounts of AW	Earth moving infrequent, inaccessible site	AW in source water, small pumps, low volume, drip irrigation	Infrequent activity known to occur, poor hygiene practices	Some evidence of soil/waste dumping	Any activity in vicinity of AW;- Good awareness, hygiene and on-going monitoring	Turf only, Low awareness	Middle part of sub-catchment and/or drainage line/basin	Small, only a few plants Terrestrial	**Medium** **11-15**
High	**3**	Risk of spread by flood high; local floods	Medium activity, popular area, AW present	AW in vicinity, Earth moving likely and good access	AW in source water, High bore pump, constant or regular use	Common activity; poor hygiene practices	Evidence of soil/waste dumping common	Any activity where AW is present; Poor hygiene practices	Vegetable farming; Low awareness	Upper-most part of sub-catchment and/or drainage line/basin	Gross area 20-100 m2 in one location	**High** **16-20**
Very High	**4**	Risk of spread by flood very high; major floods	High activity, popular area, AW present	AW in vicinity, Earth moving likely as routine maintenance activities or development likely	AW in source water, High volume irrigation via channels	Commercial activities frequent; low awareness; Any Aquatic Weed Harvesting operations	AW present, Likely, development area or dumping common, close to waterways/swamps	Regular/high maintenance area where AW is present; Lack of awareness; Poor hygiene practices, Mulch from unknown source	High intensity agriculture Low awareness,	"Critical Sites" Isolated patches	Gross area >100 m2 in one location	**Very High** **21-40**

3 Results and Discussion

Scouting and inspections of infested Alligator Weed sites achieved a high degree of coverage in both regions. However, a comprehensive mapping of ALL known sites was not anticipated in this Project and was not undertaken.

Results of the Study are presented as follows:

- **Figure 3** and **Figure 4** represent the new Maps depicting the Alligator Weed locations in the Sydney and Hunter regions, respectively[2].
- **Risk Scores**- All risk assessed sites with information on locations and risk ratings given to vectors of spread operating at those locations, and final risk scores are presented in **Appendix A** (Sydney) and **Appendix B** (Hunter).
- **Spatial Data**- The associated digitised spatial data (ArcGIS shapefiles and databases) for both regions are provided separately in the accompanying CD. These databases are amenable for further analyses of information, manipulation and updating.

The Study revealed that locations of infested sites are well documented within most LGAs in the Hunter region that have been long affected by Alligator Weed. Information of similar quality was not available in the Sydney basin, where knowledge of locations and extents of infestations was incomplete or not accurate in most LGAs.

However, the extensive fieldwork conducted in the Sydney basin has now captured on GIS an updated spatial data set of new locations and previously unknown extents of Alligator Weed infestations in many of the major infestation areas.

Building on this information and GIS data capture, the Sydney basin requires further intensive mapping, in order to establish a more comprehensive picture of Alligator Weed infestations that can then be monitored for change over time. In the GIS Map, the unvisited locations in the Sydney basin are identified for future visitations and assessments.

As previously stated, in both areas, there are many infested locations, which are hard to access, and vast areas in the Hunter region are on private properties.

In the Hunter region, various infested locations of the major rivers- Hunter, Paterson and Williams, were visited. However, at the time of inspections, in many areas, Alligator Weed infestations in those rivers were not visible due to high water levels. Nevertheless, an appreciation of the regularly treated, minor riverine infestations was obtained from inspecting some sites, and the status of the infestations verified with the Weeds Officers of Maitland and Port Stephens Councils.

While many infested swamps were inspected from accessible areas, Hexham swamp was not assessed, except from the Shortland STP side, due to access difficulties. Despite the relatively poor information on the status of Alligator Weed in the Hexham swamp, the information available broadly across the rest of the Hunter region is comprehensive, and provides a sound basis for prioritised future action on various risk factors that are operating, to mitigate those threats.

3.1 Sydney Region

This Section provides an overview of the current levels of infestations in the Sydney basin, highlighting the main risk factors of spread and results of the associated Risk Assessment.

For convenience, the Sydney Basin is considered under the sub-headings, which are in line with the geographical regions covered by NSW DPI's Regional Weed Committees.

[2] It should be noted that the ArcView Maps, shapefiles and data are separately provided for uploading and production of large format Maps.

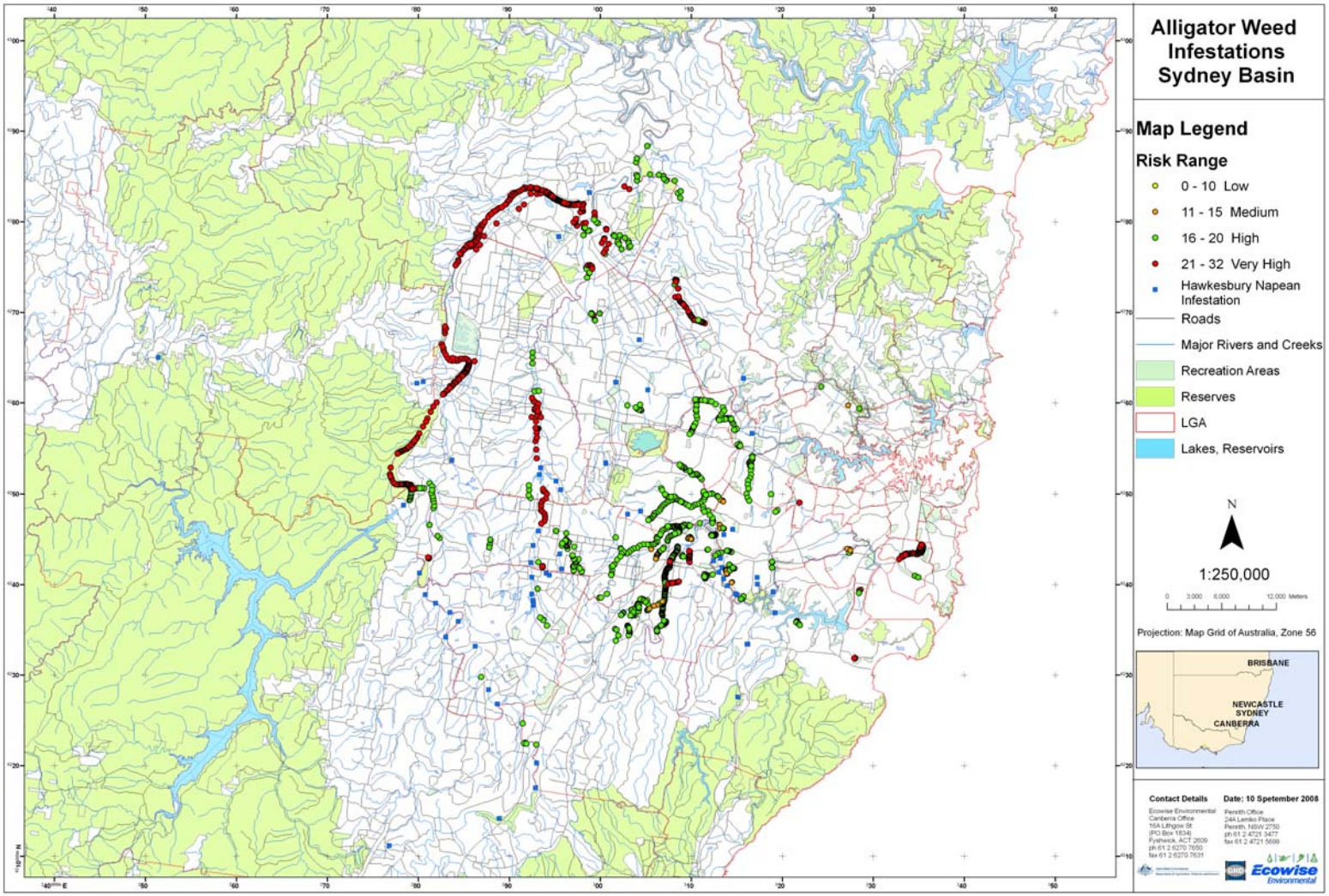

Figure 3. Alligator Weed Infestations- Sydney Basin

3.1.1 Sydney West/Blue Mountains Region

The Sydney West region is heavily infested with Alligator Weed. The infestations in the Hawkesbury-Nepean River and South Creek and their tributaries are extensive, in some locations, vast in size, and dominate the waterways. Although the biological control agent (Flea Beetle- *Agasicles hygrophila*) has been active in patches, some of these infestations, particularly in Shaws Lake, Yarramundi Lagoon and many sections of the South Creek are vast, often exceeding 100-200 m^2 of dense patches (> 75% cover) in many locations.

Other major infestations in Sydney's West are aquatic and terrestrial infestations associated with Mackenzies Creek and Smalls Creek. Many other urban creeks in the region (Bunbury Currans Creek, Bow Bowling Creek, Cabramatta Creek, Chipping Norton Lakes and Anzac Creek) are also with varying levels of infestations often along their entire lengths.

In addition, Toongabie Creek, Pendle Hill Creek, Prospect Creek, and Duck Creek continue to be infested, although most infestations are small and scattered.

There are also various lagoons, culverts, drains and ditches along roadsides, public reserves and private properties in the region, which are infested to varying degrees.

Given that the history of Alligator Weed in the area is less than 20 years and hence, not that long, inspections revealed evidence that there has been a large-scale expansion of infested territory in the region in the last decade.

Auburn LGA

Within the Auburn LGA, there are several infestations in the Duck River and associated open spaces. Although relatively small, these are rated as presenting a high risk of spread, because of flooding, public access, earth moving, some irrigation use, and landscaping-related disturbances, as well as catchment location.

Baulkham Hills Shire LGA

Within Baulkham Hills LGA, Alligator Weed has been known to occur since around 1996, when infestations in Smalls Creek, Kellyville were discovered. These early infestations expanded along Smalls Creek and by 2000, extended along several km of the Creek, spreading up to lower and upper riparian zones at some locations.

Kellyville and several other suburbs in the LGA are parts of the Rouse Hill Development Area. The main drainage lines in the area (Smalls Creek, Second Ponds Creek and Caddies Creek) drain into Cattai Creek, which eventually joins the Hawkesbury-Nepean River. Much of the drainage basin, creeks, tributaries and associated flood-prone lands are owned by Sydney Water Corporation.

Development activities in the Rouse Hill Development Area- Sydney's North West Growth Sector- are still intense, and have been so for the past 10 years. As residential suburbs expand and new drainage connections are made, the creeks have become larger in size, sprung new tributaries and are continually subject to disturbances and impacts of urban developments.

Earth moving and landscaping activities are intense, which increases the risk of spread of Alligator Weed far and wide in the area. The proximity to un-infested First Ponds Creek and Caddies Creek, and relatively mildly infested Cattai Creek amplify the risk of spread.

The highlights of the inspections and Risk Assessments are as follows:

- Alligator Weed infestations in the Second Ponds Creek in Rouse Hill are large below the Rouse Hill Recycle Plant up to Annangrove Road. This section had only a single 1-2 m^2 patch in 2000. The size of the current infestation is > 1000 m2 in several dense (> 75%) patches along the waterway (see **Plate 3**), and typifies what could occur if control action is not regularly taken.

- Infestations in the Smalls Creek are also very large, averaging ~ 40-80 m^2 along the middle stretches, upstream and downstream of Withers Road. They are dense in many locations. The high risk rating given to Smalls Creek infestations reflect the continual high risks they pose as part of an area subject to intense development, and upstream location in the drainage basin.
- Within the LGA, the most downstream reaches of Cattai Creek are also mildly infested with scattered patches varying in size from 10-40 m^2.

While HRCC is the Control Authority for the LGA, Sydney Water Corporation is responsible for managing Alligator Weed infestations in the Rouse Hill Development Area and the drainage basin.

Infestations in the Smalls Creek presents a particular high risk to downstream Cattai Creek, as well as to two other large creek systems in the LGA, which are un-infested (i.e. Second Ponds Creek and Caddies Creek). These, and various newly formed drainage lines (i.e. Strangers Creek) and tributaries are currently at risk.

Given that development activities in this growth sector are likely to be intense over the next 10 years, engagement of Sydney Water as a Stakeholder is regarded as a high priority, to effect on-ground control in this area, and reduce the risks of wide-scale spread.

Blacktown LGA

The Blacktown LGA has several significant infestations located in the Bungarribee Creek, Pendle Hill Creek and Marsden Park. These areas present a high risk of spread, because of local flooding, public access, earth moving, some irrigation, and landscaping-related disturbances, as well as catchment location and size (**Appendix 4**).

Hawkesbury LGA

Within the Hawkesbury LGA, Alligator Weed has been growing in the Hawkesbury-Nepean River since about 1994, after an introduction in the upper Castlereagh area (Karlson, D., HRCC, 2008, *pers. communication*). Since then, the infestations have expanded and spread both upstream and downstream. Most infestations occur on shoreline edges and as floating mats attached to various snags, with associated terrestrial incursions on low-lying riparian areas and silted islands.

At the most upstream, riverine infestations occur up to the Warragamba Dam wall, and the lowest infestation is several km downstream of the Cattai Creek confluence.

The upstream and downstream spread of Alligator Weed in the Hawkesbury-Nepean River is manifestly attributable to high-intensity recreational activities (fast-moving boats and crafts, water skiing and recreational fishing). Many stretches of the river are highly popular for water sports.

In more recent times, Aquatic Weed harvesting activities have regularly occurred in the River, mainly to remove Salvinia infestations. However, these activities are notorious as causing further fragmentation and spread of Alligator Weed. There are also significant areas of the river from which water is abstracted for irrigation of crops and where commercial fishing is common.

Given below is a summary of the results of risk-assessed sites and issues within the LGA.

- Although major floods have not occurred in the River in recent times, they are known to occur periodically. The last large flood was in 1993, which raised the level of the River by 10-20 m at various locations, flooding an extensive area of the low-lying lagoons and floodplains at Penrith, Richmond, and Windsor (*pers. comm.*, David Karlson, HRCC).
- Many kilometers of the downstream reaches (i.e. Clarence Reach, Windsor Reach, Canning Reach, Freemans Reach) within the LGA are accessible to the public for recreational pursuits at many locations, and are also subject to disturbances by various human activities.
- The Riverine infestations are rated high to very high in terms of risk of spread, reflecting the above spread risk factors.

- The Killarney Chain of Ponds and the associated McKenzies Creek, and various adjacent properties also contain extensive infestations. Public access is relatively easy, and road works and human disturbances are intense in the area, which is subject to frequent local flooding, due to being in the Hawkesbury River floodplain. These are also rated high to very high risk sites, particularly recognizing their location in catchment, nature and size.

HRCC undertakes herbicide treatments in the Hawkesbury-Nepean River at least twice per year, after allowing for the bio-control agent (Flea Beetle- *Agasicles hygrophila*) to cause maximum damage. Despite these efforts, infestations have expanded in size, and the contributory factors include low flow and nutrient enriched conditions, particularly below the Penrith Weir, and the mix of human activities in the River, discussed above, that continually cause high-intensity disturbances, fragmentation and spread.

HRCC also has comprehensive knowledge about various scattered infestations and the extensive spread of Alligator Weed within the LGA, including several areas in Agnus Banks, North Richmond, Windsor Downs and Londonderry (i.e. Rickabys Creek and Chain of Ponds).

Although these scattered infestation sites were not assessed in this Study, they are likely to score high to very high in terms of spread risk in the Hawkesbury floodplain.

Penrith LGA

Alligator Weed infestations within the Penrith LGA are extensive, and include a large section of the Hawkesbury-Nepean River infestations, from downstream of the Warragamba River and Nepean River confluence to Yarramundi Lagoon. Downstream sections of the heavily infested Nepean River and the South Creek are also within the LGA.

The results of the Risk Assessments within Penrith LGA are summarised below:

- The Hawkesbury-Nepean River, from the Nepean confluence to Yarramundi Lagoon is extensively infested on both sides of the River. Although many patches receive continuous treatment; hence, are low-density and relatively small (only a few m^2), some have crept up to lower and upper riparian zones and occupy islands.
- Many kilometers in the upstream areas of the River are inaccessible to the public, except at a few specific locations. However, the middle sections, located through the Blue Mountains National Park, down to Penrith are extremely popular for recreational activities.
- Associated with the River, the Yarramundi Lagoon, Shaws Lake and Devlin Lakes are heavily infested, as are upstream sections above the Penrith Weir.
- Other large lagoons in the area (i.e. Bushells Lagoon, Bakers Lagoon, Pitt Town Lagoon, Longneck Lagoon) are un-infested at present, and the threat for these is rated high to very high, because of the human activities in the floodplain.
- The stretch of River below the Penrith Weir up to Yarramundi Lagoon was not accessed during the Study, but known infestations in this area present a particularly high risk for the Olympic Rowing Courses and the series of new ponds that have been created within the Penrith Lakes Development precinct.
- Collectively, the Hawkesbury-Nepean River infestations represent a large threat in the Sydney Basin, given the flooding potential, degree of recreational activities in several long reaches. The high to very high risk scores assigned, recognise the high-intensity operation of various spread risk factors, including irrigation, floodplain agriculture (turf and vegetable farming).
- South Creek- Vast infestations (average size ~100 m^2) occur at various locations in South Creek, along more than 15 Km from the southern LGA boundary (Elizabeth Drive) northwards up to Great Western Highway Bridge. The infestations then thin out to be smaller (average ~ 10-20 m^2), but sporadically occur up to the northern boundary at Richmond Road Bridge.

- Flooding is a regular occurrence in South Creek, and a major factor of spread. Although many areas of South Creek are difficult to access and are overgrown with vegetation, disturbances including earth moving activities and soil/waste dumping increase risks at other locations.
- The Control Authority, HRCC, conducts herbicide treatments three times per year, but as evident from the Study, Alligator Weed has expanded its territory within the South Creek and its major tributaries (including Ropes Creek) and the associated catchment.
- All South Creek infestations are rated as high to very high in terms of risks of spread, because of floods, human disturbances, location in catchment and vast size.
- Some upstream areas of the South Creek, at the confluence with Cosgrove and Kemps Creek are located in private properties and are generally inaccessible.

The Penrith Council and HRCC, as the Control Authority, have knowledge of additional infested areas and scattered infestations of Alligator Weed within the LGA. Data on these infestations, some of which are hard to access, need to be captured in the future, in order to build a more comprehensive picture of infestations within the LGA.

Parramatta LGA

Within the Parramatta LGA, Alligator Weed has been growing since early 1990s, after an introduction in the Duck Creek. Although the Duck River infestations have received regular herbicide treatments over more than 10 years, Alligator Weed has now spread in the LGA and occurs in other creeks, notably Toongabie Creek and Pendle Hill Creek.

Both Toongabbie Creek and Pendle Hill Creek run through industrial and residential zones and are subject to pressures of urban development, including public access, strong stormwater flows and local flooding. Earth moving and machinery activity is common, as part of road widening and urban development, and these increase the risks of a break out.

Most infestations occur within the creeks, on shoreline edges, but there are significant terrestrial incursions on low-lying riparian areas and public reserves, including Parramatta Park. These have been managed by regular herbicide treatments.

The infestations were rated high risk, because of frequent local flooding in a highly urban area, and various risks due to public access and human disturbances. These include high-risk maintenance activities associated with drainage lines, potential earth moving and park maintenance activities (i.e. Parramatta Park).

3.1.2 South-West Sydney Region

The following summarizes the results of risk assessment from various infestations, which occur in the South-West Sydney region:

Bankstown LGA

Despite control efforts, over many years, Alligator Weed infestations have increased in prevalence within the Bankstown LGA, and many represent a large risk of spread in the region. The major risk factors operating within the LGA are associated with earth moving, public access and landscaping activities associated with public reserves. The results of the Risk Assessment are as follows:

- There are infestations deeply entrenched in the highly nutrient enriched Lake Gillawarna. However, due to regular treatment, the patches in the North Pond and South Pond are mostly scattered plants, of low density.
- Several large patches were located near the inlet from Amaroo Reserve and near the narrow section separating the North Pond from the South Pond. These stormwater discharge drains are silted and provide favourable conditions for Alligator Weed growth.

- Ashford Reserve in Milperra has heavy infestations covering approximately 200 m downstream of the Ashford Avenue Bridge. The Reserve is accessed by the public and has high potential for disturbances, including earth moving and landscaping related activities.
- At the Kelso Park, associated Kelso Tip (former Bankstown Tip), along Bransgrove Road and in the Kelso Creek, there are numerous small to moderate-sized (~10-20 m^2) terrestrial and aquatic infestations. Disturbances are very high at these locations.
- The Chullora Constructed Wetlands, the most upstream location of the Cooks River, has a significant Alligator Weed infestation, which was only a few m^2 in 2004. This infestation has increased in size to > 1000 m^2. The Chullora Wetlands are owned and managed by Sydney Water Corporation, and as a treatment wetland, is enriched with nutrients. The location in the upstream Cooks River, size and disturbances caused by strong and nutrient-enriched stormwater flows, make this infestation a high risk, and a high priority for control.
- Other significant infestations assessed were in a Concrete Stormwater channel in Villawood, Salt Pan Reserve and properties in Bransgrove Road and East Hills.
- Alligator Weed is deeply entrenched in the Yeramba Lagoon, a previously tidal lagoon. The impacts of urban development and a Sydney Water sewerage line that regularly overflows in wet weather, has made the lagoon nutrient-enriched. The infestation is extensive (> 2 ha) and is rated high for risk of spread, because of frequent disturbances, location and size.

The Bankstown Council is aware of several other relatively new infestation locations, mostly in public open spaces, creeks and drains in parklands (i.e. Newlands Reserve, Montgomery Reserve and Virginius Reserve). Although these part-terrestrial, part-aquatic infestations were not assessed, the patterns of spread indicate the significance of earth-moving and landscaping equipment as potential vectors of spread. They also represent further high risks of spread in the region.

Camden LGA

In Camden, several significant infestations are associated with Upper Nepean and Riley's creek of which is a tributary of South Creek. Although the total extent infested is not large, many represent a large risk of spread in the region. Results of the Risk Assessment of these infestations are summarized as follows:

- The most significant Alligator Weed infestation is in the Exeter Pond and associated floodplain. Although access is limited to this old infestation, it poses a continuing high risk of spread, due to frequent human and agricultural activities in and on the adjacent areas.
- There are aquatic and terrestrial infestations on various private properties in Catherine Fields and Leppington, adjacent to Riley's Creek (a tributary of South Creek), and upper Bond's Creek. They are visible at road culverts and drainage ditches. These infestations were rated high-risk sites, largely due to possibility of waste dumping, public access, earth moving, location in catchment and also size.
- Small and scattered infestations, usually 1-2 m^2 occur along the Nepean River from the boundary with Wollondilly to that with Liverpool.

The Council is also aware of a large infestation at the confluence of the Nepean River and Matahil Creek, and in sections of the River immediately upstream of Sharpes and Cobbitty weirs. These were not assessed, because access is only through private properties.

Recognizing the upstream location, all infestations in Camden need to be rated high and very risk in terms of spread risk, and should be high priority for future action.

Campbelltown LGA

Campbelltown LGA has many serious infestations, which are mainly associated with the Georges River, several urban creeks (Bunbury Curran Creek, Bow Bowing Creek, Macquarie Creek, Redfern Creek,) and drainage lines. Many of the creeks are part of the urban stormwater drainage network, and regularly flood. Areas associated with the creeks are accessible and are subject to disturbance by irregular maintenance activities, including machinery use and earth moving. Development activities are also common within Alligator Weed infested areas.

Results of the Risk Assessments are summarised below:

- In the Georges River, Alligator Weed occurs from above the Simmo's beach recreation reserve, Long Point to the boundary of Campbelltown's LGA at East Hills Rail Link. Infestations in this 4 Km approximate stretch are on average, 30-40 m2 in size and at some locations, much larger. The high to very high-risk ratings assigned to these riverine infestations reflect the risks of flooding, earth moving activities, disturbances, caused by public access, location in the Sydney Basin and size.
- Alligator Weed infestations are significant in the Bunbury Curran Creek, a tributary of the Georges River. Infestations extend over approximately 2 Km and range in size from ~ 10 m^2 to > 100 m^2 at various locations. Several drainage reserves in Ingleburn (Redfern Creek), feeding into the Bunbury Curran Creek are also infested.
- Bow Bowing Creek and associated tributaries are also heavily infested. The infestations are on average ~ 30-40 m^2 in most places Creek adjacent to Minto Road Minto.
- There are significant aquatic and terrestrial infestations of Alligator Weed, Milton Park and in Macquarie Creek, Macquarie Fields. There is a significant infestation in the section of the creek between James Meehan High School and Glenquarie Shopping Centre.
- There are numerous scattered infestations on private land in the northern part of the LGA at Macquarie Road, Ingleburn, and in drainage lines and roadside culverts.
- Numerous small infestations occur on the Nepean River above Menangle Weir.

Many of the Campbelltown infestations, away from the Georges River, particularly in Macquarie Field, Minto and Ingleburn are relatively new. These areas are rapidly developing, and are subject to high-intensity disturbances.

The high to very high risk ratings assigned to the Campbelltown infestations reflect the risks of spread due to flooding, disturbances caused by public access, earth moving and development activities, in some cases, irrigation, dumping of waste on derelict lands, landscaping activities, location in the Sydney Basin and size.

The Council has a control programme, but its coverage of local infestations appears to be inadequate, possibly due to incomplete mapping and knowledge of infestations. The risks of spread are manifestly high in Campbelltown, as evident from numerous new infestations in many areas.

Fairfield LGA

Within the Fairfield LGA, there are significant aquatic infestations, mainly associated with several major urban creeks (Cabramatta Creek, Prospect Creek, Orphan School Creek, Green Valley Creek and Clear Paddock Creek), which run though the area. The aquatic infestations are mostly in water or on shoreline edges, except for a few that have spread to upper riparian zones.

There are also a few minor infestations on lands associated with public reserves and Council managed land and on industrial properties. Highlights of the risk assessment results are as follows:

- Infestations in the Prospect Creek are generally patchy in most places, but are quite significant in some upstream sections, as the creek runs through difficult-to-access industrial areas, significant infestations are found in Prospect Creek near Vine Street Bridge.

- Infestations in Clear Paddock Creek, Green Valley Creek (Infestations at Chisholm Park, Canley Vale Road, Tenella Street and Swagger Place) and Orphan School Creek (Hawkesbury Street to the confluence of Prospect Creek) are numerous, generally small (averaging 10-20 m^2) and patchy. These are rated high for risk of spread, because of flooding potential, public access, possibilities for earth moving and other human activities and location in catchment.
- Cabramatta Creek (Elizabeth Drive to Chipping Norton Lakes) has infestations of varying size. Many of the larger infestations average 20-40 m^2. The 'high' risk score attributed to Cabramatta Creek also reflects frequency of local flooding, public access, possibilities for earth moving and other human disturbances, location in catchment and gross size.
- Major infestations of Aquatic Alligator weed are found in the wetlands at the rear of Cabramatta Sportsground, associated with Cabramatta Creek; the infested area is in excess of 2000 m^2.
- The largest terrestrial infestations (several patches > 1000 m^2) in the LGA are at the former Magic Kingdom site in Lansvale. These infestations present a high risk of spread due to potential earth moving activities, soil/waste dumping, location in catchment and size.

Most Alligator Weed infestations in the Fairfield LGA are within the urban creeks, which are part of the stormwater drainage network and are relatively easily accessed. These receive regular treatment ('Bi-Active' Glyphosate), three or four times each year. Although these treatments ensure continuous pressure, some infestations have been difficult to fully control, and have further spread along the watercourses.

The Council has comprehensive knowledge of infestation locations, and a strong control plan in place covering most of the infested areas within its jurisdiction. Vigilance is maintained to ensure no new infestations develop.

Liverpool LGA

In the Liverpool LGA, there are many significant infestations in the major creeks and river systems, and on lands associated with public reserves, Council managed land and on private properties. Particularly noteworthy are major infestations in Georges River, Anzac Creek, Badgerys Creek, Bonds Creek, Cabramatta Creek, South Creek, Brickmakers Creek, Chipping Norton Lakes, Harris Creek and Kemps Creek.

Many of these creeks are part of the urban stormwater discharge and drainage network, and are regularly subject to flooding. Areas associated with the creeks are accessible and are subject to irregular maintenance activities, including machinery use and earth moving. Development-related activities are also common within the Alligator Weed infested areas.

The following are highlights of the Risk Assessment:

- Infestations in Anzac Creek, Georges River and South Creek are deeply entrenched and have been known for more than two decades.
- Infestations in South Creek stretch over 6 Km of the creek and are bordered by private land and other LGAs on both sides. They vary in size from large (> 100 m^2) to medium, and to isolated patches.
- The Georges River infestations, stretching over more than 5 Km within the LGA, are also varying in size from small (few m2) to large (> 40 m2) size.
- The Liverpool Sewage Treatment Plant site, owned by Sydney Water Corporation, has a major infestation, attributed to construction equipment and activities of the past. However, this site is not subject to flooding and is scored a medium risk, because of lack of access.
- The Anzac Creek, heavily infested with Alligator Weed, runs through the Moorebank-Holsworthy Defence Estate, and is largely inaccessible to the public. However, the creek is known to flood intermittently, thereby presents a significant risk of spread.

- The infestations in the Clinches Pond, Chipping Norton Lakes and in Badgerys Creek, Brickmakers Creek, Hitchinbrook Creek, Kemps Creek, Harris Creek and Cabramatta Creek vary in size and have generally expanded in the extent occupied. They are all subject to risks of local flooding, earth moving activities, and occasional disturbances, caused by public access
- Within the LGA, there are several disused and derelict locations, which are infested and presenting a significant risk of further spread.

Most of the infestations in Liverpool LGA were scored as presenting a high risk of spread due to intermittent flooding, recreational access, earth moving and high-intensity development activities, as well as catchment location and size.

The Council has been active in undertaking mapping and controlling the aquatic infestations with 2-3 herbicide treatments ('Bi-active' Glyphosate) per year. Nevertheless, there are many areas, including the Anzac Creek (under the Defence Estate) and Liverpool STP site (owned by Sydney Water), which do not receive regular treatment, resulting in a significant risk of spread to outlying areas. Stakeholder engagement is a high priority for the LGA, due to this reason.

Sutherland Shire LGA

In Sutherland Shire, Alligator Weed infestations occur a several locations, mostly within drainage outlets and along drainage lines and on Council managed land and private properties. These are generally small to medium-sized infestations, and receive regular treatment.

The risk assessed sites- Woolooware Golf Course (Captain Cook Oval) and several infestations at Oyster Bay, were rated high to very high in terms of risk of spread, because of recreational and earth moving activities, catchment location and size.

In addition, there are other known infestations on several Council managed reserves and drainage channels, on disused land and on private properties at a few other locations within the Shire. Although these were not assessed, the catchment location is likely to make these infestations a priority for control to prevent further spread.

Wollondilly LGA

Within Wollondilly Shire, several significant Alligator Weed infestations occur in the Nepean River, from Menangle Bridge to the confluence with Warragamba, and on the Warragamba River itself, up to the Warragamba Dam wall. These infestations are of varying size, located both in the river and on shoreline edges, and are generally difficult to access, because of remoteness. The Council undertakes regular treatments on the infestations along the Nepean River.

Despite continuous control action being taken at these riverine infestations, the risks of floods, as well as the location in the most upstream catchment areas, make these infestations a high to very high risk In terms of risk of spread.

In addition, there are some isolated infestations on private properties and public lands at a few other locations within the Shire. Although these were not assessed, they typify movement by vectors, such as earth moving equipment. The upstream-most catchment location of the Shire makes all of these infestations a very high priority for control to prevent further spread.

3.1.3 Sydney Central Region

The following summarizes the results of risk assessment from various infestations, which occur In the Sydney Central region:

- **Botany Bay LGA**- Botany Wetlands, located in the Botany Bay LGA represents a large risk, as Alligator Weed infestations have expanded in the past two years. Nine ponds of Botany Wetlands, upstream of Botany Road, are owned and managed by Sydney Water.

- The downstream sections of Botany Wetlands (Mill Pond South, Engine Pond East and West) are within the Sydney Airport's jurisdiction.
- Aquatic weed harvesting poses the greatest single risk of spread from Botany Wetlands. Other risk factors are related to earth moving and related landscaping activities associated with the golf courses and Business Park abutting the Wetlands.
- **Canterbury LGA**- In Rockdale, several significant infestations occur in Bardwell Creek and Wolli Creek. These were rated medium to high-risk sites, largely due to possibility of waste dumping, public access, earth moving, location in catchment and also size.
- **Rockdale LGA**- In Rockdale, several significant infestations occur in Bicentennial Park; these were rated medium, high to very high, largely due to public access, landscaping activities, earth moving, location in catchment and size.
- **Strathfield LGA**- In Strathfield Golf Course, a section of the Cooks River is infested and was rated high risk, reflecting landscaping and earth moving activities.

Other minor infestations, recorded previously from Canada Bay, Kogarah, Hurstville, Leichhardt, Mauriceville, Waverley and Woolhara LGAs (NSW DPI 2004) were not assessed in this Project.

3.1.4 Sydney North Region

Several minor infestations were assessed in the Lane Cove Council area. These were located in the Macquarie University and the Lane Cove River and were rated medium to high risk, reflecting their location in the catchment.

Other minor infestations, documented from Hornsby Shire, Pittwater Shire and Ryde City Council LGAs (NSW DPI 2004) were not assessed.

3.2 Hunter Region

This Section provides descriptions of the current levels of infestations in the Hunter region, highlighting the main risk factors of spread, which reflect the scores assigned. Relevant notes on history and vectors of spread, key management issues and management actions being taken by different LGAs are also provided.

3.2.1 Cessnock LGA

Infestations within Cessnock Council, located in Branxton, present a very high risk (**Figure 4**), because they are in the uppermost part of the Hunter River catchment. The introduction of Alligator Weed to the area is attributed possibly to machinery digging trenches to lay a pipeline in the vicinity of George Street, East Branxton (*pers. comm*., Barry Sheppard, Cessnock Council).

Some of the easily accessible infestations in the Anvil and Black Creeks have received regular treatment and are relatively small. However, there are several private properties in adjacent areas, which are infested and hard to access; these have not received recent treatments.

The risk assessment scored the Branxton infestations as high to very high, mainly reflecting the risks of spread by flood, earth moving activities, soil/waste dumping, upstream location and size.

There is agreement among Hunter Weed Officers that the Branxton infestations should receive the highest priority in any future management initiative, as the pose the largest risk for the whole of the currently un-infested upper reaches of the Hunter River and the Singleton LGA.

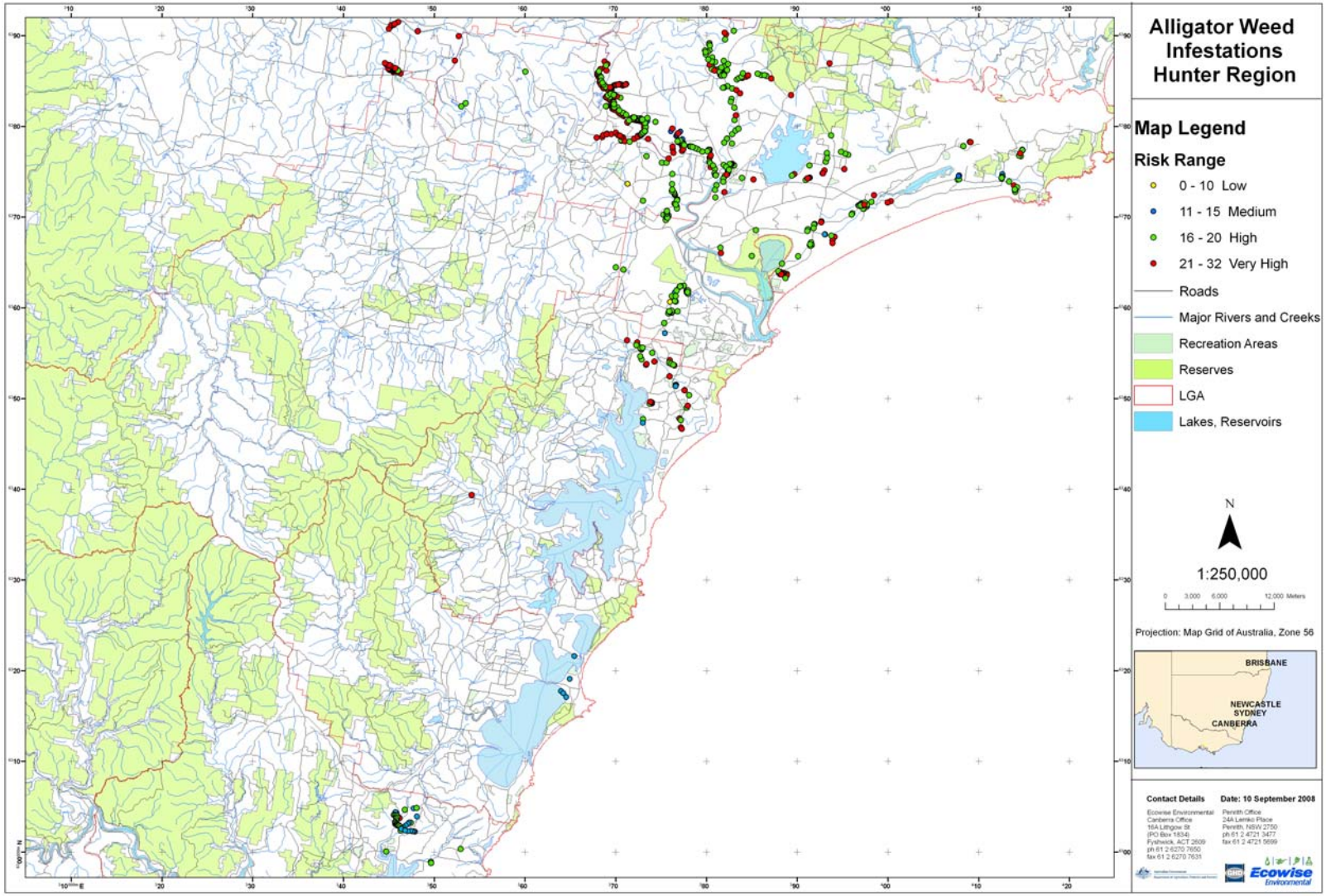

Figure 4. Alligator Weed Infestations- Hunter Region

3.2.2 Gosford LGA

Alligator Weed was first discovered in the Gosford City LGA about 30 years ago and was suspected to be via contaminated (infested) turf from the Port Stephens area. Further spread occurred over the years, and some of this is attributed to the work of utilities and Council works, possibly through unhygienic practices, particularly machinery and equipment.

Most of the infestations are in urban creeks (Narara Creek, Nunns Creek, Wingello Creek, Wyoming Creek and some drainage channels and culverts) that do not usually carry much water. All infested creeks are within the catchment of the Brisbane Water, which is saline and unfavourable to Alligator Weed growth.

Alligator Weed infestations in the Gosford LGA are relatively easily accessed and therefore, receive regular treatment ('Bi-Active' Glyphosate in the waterways and Metsulfuron Methyl, on land), up to three times each year. Infestations on National Parks land and on State Rail land also receive treatment by agreement.

The treatments ensure a continuous and effective control plan for the LGA, and vigilance is maintained to ensure no new infestations develop. Most infestations are a few m^2 in size with variable density, mostly 5-25% cover.

The Risk Assessment scored the Gosford infestations as 'medium' to 'high risk' in terms of potential spread risk (**Figure 4**). The scoring largely reflected their locations, associated in many cases with the creeks running through public parks, and hence, increased risk of further spread by slashing and mowing, by equipment and by recreational access. Flood risk is minor within the LGA, hence, scored medium, and the relatively small size of many patches presented a medium risk.

As an important management initiative, workers in all Council Departments have been trained in the identification of Alligator Weed, and on the precautions to be taken to reduce the risk of spread.

3.2.3 Lake Macquarie LGA

Most Alligator Weed infestations in the Lake Macquarie City Council (LMCC) are aquatic infestations located in urban watercourses (Winding Creek, South Creek), stormwater detention basins and roadside drains. Some of these have been crept up to lower and upper riparian areas and have become semi-aquatic and terrestrial infestations.

Local floods are common in the creeks, reflecting high-density urban development. While the majority of infestations are relatively small, a few are larger than 50 m^2 in size with high density. The nature of spread within LMCC is largely attributed to contaminated earth-moving equipment and fill material, and typifies some of the risks of spread in the Hunter region and elsewhere.

Results of the Risk Assessment (**Figure 4**) are summarised below:

- The Winding Creek has significant infestations, which pose a high to very high risk of spread, due to flooding, as well as relatively easy access by equipment and soil/waste dumping, which is common in many locations.
- In Macquarie Hills, several locations in the downstream sections of Winding Creek and a detention basin in a stormwater drain are very high risk sites, because of flooding, earth-moving equipment, public access, previous history of waste dumping and size of infestations.
- A stormwater discharge watercourse with an infested detention basin in Garden Suburbs presents a particularly high risk of spread due to flooding, earth moving equipment, public access and gross size of the infestation.
- The risk of spread of infestations, both aquatic and terrestrial, from a water course close to the Jewells Swamp were rated very high, reflecting locations, size and potential spread by landscaping activities and earth moving equipment.

- There are a several sporadic outbreaks, which scored 'medium' risk, largely reflecting small sizes, and difficulty of site access by equipment or by the public.
- The 'break-out' infestations around the foreshores of Lake Macquarie (Foreshore Gardens, Croudace Bay Park; foreshore and Jetty opposite Valentine Bowling Club) after June 2006 floods are rated medium to high risk, reflecting further spread potential by flood, public access, possibility of movement through equipment and size.

Alligator Weed infestations in the LMCC are relatively easily accessed. Most receive regular treatment ('Bi-Active' Glyphosate in the waterways and Metsulfuron Methyl, on land), up to three times each year. Although these treatments and vigilance ensure continuous pressure, infestations and break out increased following the major flood event, particularly along foreshores of Lake Macquarie. The Council has a strong control plan in place for the LGA, and vigilance is maintained to ensure no new infestations develop. Council workers receive regular training in identifying Alligator Weed and on machinery hygiene, in order to reduce the risk of spread.

3.2.4 Newcastle City LGA

Alligator *Weed has been known in the Ironbark Creek floodplains of Newcastle City for more than 20 years. The major causes of spread are earth-moving machinery, slashers, cattle movement, and flood events. In the early years, a lack of awareness in the community, the commercial sector and public authorities caused the relatively unabated movement of Alligator Weed in the region.

Newcastle has several core infestations where Alligator Weed has equal or total dominance with other vegetation. These locations total approximately 122 hectares. Infestations in Newcastle are both aquatic and terrestrial. Due to the location and nature of infestations in floodplain areas, flood events over the years are likely to cause further spreading of the weed.

In terms of results of the current Risk Assessment (**Figure 4**), the following are highlighted:

- Infestations in the Ironbark Creek are numerous and sporadic in occurrence. Although some are relatively small (a few m^2), there are several large patches on silted sand bars and along the lower riparian slopes. Lands on either side of Ironbark Creek and the Chichester Pipe Line are also significantly infested. These are rated medium to high risk, reflecting flooding, and other major vehicles of spread, such as access for equipment and public and disturbances, likely to be caused by maintenance activities. The size of infestations and proximity to Hexham Swamp are also contributory to this risk.
- The large Shortland STP site (~ 15 ha) is highly infested with terrestrial and aquatic Alligator Weed diffused and spread throughout the site, part of which is difficult to access. These are very significant infestations, presenting a high risk, because of earth-moving equipment, access by vehicles, construction work, proximity to the Hexham Swamp and size. The STP management is considering whether introducing cattle on to the site might be an option to control the expansion of Alligator Weed.
- Several properties, south of the STP site, in Wallsend, alongside Minmi Road and along the water supply pipeline are severely infested with terrestrial Alligator Weed. These sites also present a high risk, because of access and earth-moving equipment, although some locations are being used currently as experimental sites.
- Alligator Weed infestations at the Shortland Wetlands Centre are also significant, and rated as presenting a high to very risk of spread, although some control action is being continually taken. The high-use recreational access, people and vehicle movements and intermittent use of construction and earth-moving equipment to upgrade and maintain recreational facilities and size of infestations increase the risk of spread.

- The infestations in Tarro, particularly in the Tarro recreation area and adjacent Woodberry swamps, are vast and extensive. More than 50 ha of lands including private properties and roadside drains are infested with terrestrial Alligator Weed; although grazing is prevalent, these are rated high-risk sites, because of possibility of further spread by earth-moving equipment, cattle movement, access by vehicles, agriculture-related activities, and size.
- Since the 2006 floods, the Hexham Swamp Rehabilitation Area (managed by DEC), is under threat from Alligator Weed with a potential infestation of >2800 hectares. Hexham Swamp is a recognized for high conservation significance.

The Council treats all accessible areas 3-4 times per year. To contain infestations, some sites have been locked-out to prevent any access to the area unless accompanied by Weeds Officers and to ensure that machine and vehicle hygiene protocols are carried out.

Due to the inaccessibility of several sites, some under the jurisdiction of the Council, and others, owned by private landholder or managed by other public authorities, treatments have been difficult within the LGA.

In addition, significant local flood events and the major flood of 2006 have also contributed to further spread. In general, there has been no noticeable decrease in the amount of Alligator Weed in the LGA over the past decade or so.

3.2.5 Port Stephens LGA

The Port Stephens LGA, with its extensive infestation areas, is arguably the Alligator Weed capital of Australia. Alligator Weed was first detected in the Fullerton Cove area in 1946. The introduction was attributed to disposal of ballast from ships coming into Newcastle harbour. Over the decades, Alligator Weed spread quickly throughout the extensive low lying flood prone lands that occupy much of the southern sections of Port Stephens.

Port Stephens also has extensive areas of wetlands and agricultural lands that have been decreased in both economic and ecological values by Alligator Weed infestations. Management initiatives at the LGA have focused on containing the existing infestations and trying to prevent new infestations, by a combination of community education and integrated control methods.

The highlights of results of the Risk Assessment on PSC sites are as follows:

- On the Williams River, significant patches of Alligator Weed occur from the confluence of the Hunter upstream to Stony Creek. These infestations receive regular treatments and are scattered plants in any location, which can be several m^2 in size. The risk assigned to the Williams River infestations is high to very high, reflecting risks of further spread due to floods, recreational activities, commercial fishing, some irrigation, floodplain agriculture and upstream location within the broader catchment.
- On the Paterson's River, Alligator Weed infestations occur from the confluence of the Hunter River, upstream to Webers Creek. These infestations also receive regular treatments, as a result of which, most patches are only a few m^2 in size. However, they too represent a very high risk of spread, due to floods, recreational activities, commercial fishing, irrigation, flood-plain agriculture and location in the upstream areas of the Hunter region.
- In the Hunter River, Alligator Weed occurs from the confluence of the Paterson River downstream to Raymond Terrace. The Hunter River infestations are also regularly treated (most patches are only a few m^2 in size and are scattered along the edge of the river), and are scored as presenting a very high risk of spread, due to floods, high-intensity recreational activities, commercial fishing, some irrigation, floodplain agriculture and location within the broader upstream catchment.

- Apart from the above major rivers, there are a large number of other sites within the LGA, which have major aquatic, semi-aquatic and terrestrial infestations. These include a large number of locations in minor creeks and drainage channels, as well as land, located in Fullerton Cove, Grahamstown, Hinton, Medowie, Salt Ash, Seaham, Raymond Terrace Williamtown and Woodville. The risks of spread associated with these infestations are highly variable, depending on human activities and potential disturbances, locations, size and nature of the infestations (whether aquatic or terrestrial), and were rated- medium, high or very high, reflecting those (**Figure 4**).
- Large terrestrial infestations occur at Heatherbrae, Williamtown, Fullerton Cove and Nelson Plains. These represent a very high risk of spread, because of size, earth moving activities
- Various isolated and relatively small infestations occur in Anna Bay and Salamander Bay, mostly in minor stormwater discharge creeks and roadside drains and some at Horizons Golf Course in Salamander Bay. The high-risk rating given to these infestations, reflect risks of spread, related to local flooding, earth moving activities and catchment location.
- The Mambo Wetlands, a site of high conservation value in Salamander Bay, also has some infestations; these received a very high risk rating, capturing the critical nature of the site.

The Council currently controls all accessible Alligator Weed found on Council land, drainage lines and infestations located in the Williams, Hunter and Paterson Rivers at various locations within its jurisdiction with herbicide treatments, given three times per year ('Bi-Active' Glyphosate in the waterways and Metsulfuron Methyl, on land).

The PSC provided the early impetus in 2004, which eventually achieved the special off-label permit to use Metsulfuron-Methyl more widely to control Alligator Weed under specific conditions (APVMA, 2008). Although, the susceptibility of Alligator Weed to Metsulfuron-Methyl had been known since 1991, its use was previously limited to terrestrial situations. Since 2002, Council has been also been leading the support for research on herbicide –based control, as well as integration of herbicides with other methods to manage Alligator Weed.

3.2.6 Maitland LGA

Alligator Weed has been growing in the Maitland City Council (MCC) areas for more than two decades. How it was originally introduced into the area is unclear, but given the close proximity to the original infestation at Newcastle, it is likely to be from earth-moving equipment.

Flood mitigation works carried out by the Department of Lands with earth-moving equipment are identified as the main cause of spread within Maitland. This is evident from the nature of spread as all the drainage cannels maintained as part of the flood mitigation works, now contain varying amounts of Alligator Weed.

The major areas affected include the Mindariba drain, which feeds into the upper part of the Paterson River, and several drains at Duckinfeild and Woodberry. Although practices have changed in recent times, due to recognition of the problem, the result of poor equipment hygiene and low awareness among workers and the general community has been the wide-scale spread of Alligator Weed across vast areas of land within the LGA.

During the last 10 years, rigorous control action has contained the spread to the flood-prone land adjacent to Hexham swamps at Woodberry and to the river systems. Our core infestation was located at Woodberry in the flood plain area and low-lying drains.

The main infestations in Maitland and their risk rankings are summarised below:

- In the Hunter River, Alligator Weed is only located in a small part of the overall system from the Belmore Bridge downstream to Raymond Terrace. Despite being regularly treated (most patches are only a few m^2 in size and are scattered along the edge of the river), these are scored as presenting a very high risk of spread, due to floods, high-intensity recreational activities, commercial fishing, some irrigation, floodplain agriculture and location within the broader (upstream) catchment.
- On the Paterson's River, it is located from the junction of the Hunter River upstream to Paterson Township. These too receive regularly treated, as a result of which, most patches are only a few m^2 in size. However, they represent a very high risk of spread, due to floods, recreational activities, some commercial fishing, irrigation, floodplain agriculture and as being located in the upstream areas of the Hunter region.
- In addition, there are vast infestations in the Woodberry swamps, within Maitland LGA. The extent of areas infested is in the range of 50-100 ha of lands including private properties and roadside drains. Although grazing is prevalent, the Woodberry infestations are rated high-risk sites, because of possibility of further spread by earth-moving equipment, cattle movement, access by vehicles, agriculture-related activities, and size.

As evident from the June 2007 floods, during which a large proportion of the Maitland LGA was completely inundated, the greatest risk factor of spread of Alligator Weed is flooding.

The infestations of Alligator Weed growing in the upper catchments of the Hunter River in Anvil Creek and Black Creek (Cessnock City Council and Singleton Council) pose the biggest risk of further spread in the Hunter River, and downstream Maitland. During the 2007 flood, Alligator Weed fragments were transported by floodwater down the creek systems into the Hunter River and were spread across vast areas.

Although the infestations are not large, recent inspections confirmed that Alligator Weed is now growing in the Hunter River from Singleton at the junction of Anvil Creek, all the way down to the Belmore Bridge. There is evidence of new Alligator Weed infestations, not only on the riverbanks, but also on surrounding properties that had been affected by the floodwaters.

How far the large floods have moved and spread fragments of Alligator Weed across vast areas of Maitland is not known. It is recognized that continuing scouting and high-intensity inspections of flood-covered areas is a high priority. Earthmoving, boating and recreational activities continue to pose the largest risks of spread of Alligator Weed, as it is likely to have been moved to areas previously not infested by the flood.

3.2.7 Singleton LGA

Infestations within the Singleton LGA are still relatively small and are on several private properties. Nevertheless, these present a very high risk (**Figure 4**), because they are also in the uppermost part of the Hunter River catchment. The introduction of Alligator Weed to the area is also attributed to contaminated machinery (*pers. comm*., Doug Campbell, Singleton Council).

The risk assessment scored the Singleton infestations as high to very high, mainly reflecting the risks of spread by flood, earth moving activities, soil/waste dumping, upstream location and size.

There is agreement among Hunter Weed Officers that along with the Branxton infestations, Singleton infestations are the highest priority in any future management initiative, as the pose the largest risk for the whole of the currently un-infested upper reaches of the Hunter River.

3.3 Managing Vectors of Spread

Given that the risk factors of spread in different LGAs have been discussed previously, the following sections focus on a number of strategies for mitigating the threats posed by the most important of those vectors.

3.3.1 Floods, Recreational Activities and Irrigation-

There is universal agreement, based largely on the experience of the Hunter region that major floods, at whatever frequency they occur, represent the largest threat of a break out of Alligator Weed from 'core' areas within the region into other un-infested areas. This would increase the risk of spread to areas away from the 'core' regions.

In the Sydney basin, large floods of the magnitude of the Hunter floods have not occurred recently, but the potential was evident in early 2008, when the highly infested South Creek and other creeks in many parts of the South-West LGAs flooded.

The most effective way of managing the risk of spread by floods in the future is to have on-going treatment programmes, which set achievable goals and action to match, with an overall aim of reducing the riverine infestations. It is accepted that Alligator Weed infestations receiving regular treatments diminish in their vigour, tenacity and capacity to re-establish at a different location.

As the largest and the most infested rivers in the Sydney Basin, the Hawkesbury-Nepean River, South Creek and Georges River and their associated the extensive floodplains, lagoons and basins, need to be targeted for a rigorous treatment regime in order to achieve this goal.

In the Hunter region, on-going treatments in the Patterson, Hunter and Williams Rivers have reduced riverine infestations to a large number of small patches, and in many cases only scattered plants of 1-2 m^2. The success of these treatments indicates that given adequate resources, it could be replicated elsewhere.

Although the Georges River infestations may have been older, the infestations in the South Creek and Hawkesbury-Nepean are known to date back to 1994, beginning as only a few minor infestations. The vast extents of the Hawkesbury-Nepean River and South Creek infestations are evidence that the management efforts need to be commensurate with the problem at hand.

It is conceivable that adequate resourcing and managing a coordinated effort, in both regions, can significantly reduce the threat of flood as the most significant risk factor of spread. This must be seen as a high priority, in order to mitigate a blow-out within and outside the 'core' areas.

Recreational activities in the major rivers are a major contributor to the spread of Alligator Weed, and the opportunity to reduce this risk is also reliant on effective treatment regimes. Similarly, achieving better control of riverine infestations will greatly reduce the risk of spread by water abstraction for irrigation in the two regions.

3.3.2 Earth Moving Activities and Machinery-

As previously discussed there is agreement that earth moving activities and machinery are responsible for causing wide-scale spread of Alligator Weed, through unhygienic practices and contaminated equipment. This threat continues unabated as urban development expands across both Sydney and Hunter regions. An intensified education programme, targeting construction and heavy machinery industry, could achieve the reduction of this risk.

A strategic approach that Port Stephens Council has proposed (Prichard, G., Port Stephens Council, 2008; *pers. communication*) is to develop an industry 'code of practice' for achieving a high level of machine cleanliness, particularly for machinery working in Alligator Weed infested areas. This requires working with relevant professional and/or earth-moving industry associations.

3.3.3 Commercial Activities including Aquatic Weed Harvesting

The strategies for reducing the risk of spread due to commercial activities, such as fishing, include educational programmes, targeting members through fishing associations. The construction of additional boat ramps with wash-down facilities at strategic locations in the major rivers, combined with mandatory requirements, is also regarded as an effective means for reducing the risk of spread of Alligator Weed, as well as other aquatic weeds.

Aquatic Weed Harvesting is clearly a high-risk commercial activity, in terms of spreading Alligator Weed and other aquatic weeds. This risk needs to be elevated not just as a local risk, but also as an Australia-wide risk. There is agreement that all aquatic weed harvesting activities in the future need to be stringently monitored, and all stakeholders, notified formally of this requirement.

Given that only a few Aquatic Weed Harvesters are operating in Australia, it should be possible for rigorous inspection protocols to be developed, and on-going accreditation on practices, before the harvesting machines are hired for any activities.

3.3.4 Soil/Waste Dumping, Landscaping and Maintenance Activities

Reduction of risks associated with dumping of Alligator Weed contaminated soil, waste and materials, such as dredged spoil, is also dependent on community education and awareness, combined with on-going scouting and inspections across all LGAs.

Training is the most effective option to reduce the risks of slashers, mowers and other equipment used by Council Staff or Contractors for regular maintenance activities in Council-owned and managed public parks, reserves and open spaces. Many Councils have such programmes, which aim to train staff in identifying Alligator Weed, and on the protocol to be followed if a new infestation is discovered. Regular inspections and sign posting of infestations have significantly reduced the risk, as evident in Wyong and Gosford Council areas.

The reduction of risk of inadvertent spread of Alligator Weed by the use of contaminated mulch is also education of Council staff and the community, and where possible, establishing the source of mulch and verifying its cleanliness before use.

3.3.5 Floodplain Agriculture

Grazing by cattle continually reduces Alligator Weed biomass in infested paddocks. Cattle are therefore regarded as a possible means of reducing Alligator Weed infestations in some infested areas. However, this option needs to be integrated with other control methods, where appropriate.

The reduction of floodplain agriculture as a risk of spread has to rely on targeted education campaigns for Turf and Vegetable growers, combined with inspections of those properties.

3.3.6 Catchment-location and Critical Sites

Infestations in uppermost catchments or sub-catchments of drainage basins need to be targeted as priority sites for control, to prevent further expansion and spread downstream.

In this regard, as previously discussed, in the Hunter region, the Branxton infestations, as well as those on upper Hunter regions, including Paterson, Hunter and Williams Rivers are the highest priority for continuous and thorough treatments. In the Sydney Basin, infestations in the upstream catchments of Nepean, Warragamba and Hawkesbury Rivers are similarly of the highest priority for urgent management through effectively resourced treatment programmes.

3.3.7 Size of Infestations

Reducing the size of infestations through integrated management should reduce the risk of spread, although this target needs to be achieved over a longer time frame. Whilst targeting smaller patches for intensive treatment and local eradication, planning must incorporate a longer time horizon of about five to ten years to reduce the size of larger infestations.

3.3.8 Management Protocols to prevent the spread of Alligator Weed

The general thrust of management of Alligator Weed envisages the use of the full range of options, including physical and mechanical removal, incorporation of biological control agent, where possible, judicious herbicide use and community involvement in managing local infestations. However, the implementation of the above sentiment requires leadership and commitment, as well as adequate funding and resourcing.

There are many Alligator Weed management protocols, produced over the past decade or so, with the intentions of arresting the expansion in various jurisdictions. Several LGAs have their own protocols, which are mostly used for internal training, and sometimes for community education.

The previous 'Hawkesbury-Nepean Alligator Weed Management Task Force' also consulted Stakeholders widely and compiled protocols (Coventry, R., NSW DPI, 2007; *pers. communication*), which have been adopted by LGAs. These include: (a) what might be done for management of an infested site; (b) options for containing or restricting further spread from a site (including sign-posting); (c) clean-down procedures for machinery and workers; (d) wash-down procedures for boats and crafts; and (e) options for management of contaminated spoil.

The existing protocols have been further expanded and presented in the new Alligator Weed Control Manual (NSW DPI, 2007, see Part 3, Containment and Prevention of Spread, pp 37-44).

4 Conclusions

As discussed previously, the Study assessed the risks of spread of infestations in the 'core' infestation areas of Sydney and Hunter Regions and assigned priority risk rankings in the different LGAs, so that future management action could be guided by the agreed priorities.

In 'taking stock' and reviewing the options to reduce the risks of further spread of Alligator Weed infestations, the Study covered a wide range of aspects and long-standing issues in the consultations with experienced weed managers and contractor who manage Alligator Weed.

These focused on factors that have constrained the effectiveness of control programmes across both regions over the past two decades. The conclusions, presented below, with relevant discussion, highlight the key points that emerged during the Study.

The views expressed are a reflection of points raised by the Weed Officers from Hunter and Sydney regions who participated in the study, as well as those of experienced Alligator Weed researchers and weed managers.

Current level of infestation

As previously discussed, the expansion of Alligator Weed has continued, in most situations, despite considerable control effort. In some cases, the expansions are clearly due to inadequate attention paid to the presence of an invasive species in an area before further disturbances are caused. Such disturbances include maintenance activities on drainage channels or expanding stormwater drainage networks, construction and extension of new roads and road culverts, and a host of activities associated with urban development.

Overall, the current expansion can be attributed to ineffective attention given to human disturbances that cause a 'colonising species' with broad ecological amplitudes to exploit those conditions for its own perpetuation, and inadequate efforts to manage local infestations.

Whilst the large extents of the Hunter infestations may not have expanded much over the past 10 years or so, the expansion of Alligator Weed in the Sydney Basin is vast, compared to the situation that was known to most weed managers in early 2001-02.

This situation is a result of a combination of factors, discussed below, and requires urgent action, to lead, coordinate and implement a more effective management programme with both strategic and tactical components.

Inadequate Resourcing and Coordination of Management effort

The current expansion is largely attributed not just to ineffective treatment regimes and insufficient management of vectors of spread, but also to severe under-resourcing, in terms of funding and human resources committed to a sustained and coordinated management effort across NSW.

Most LGAs have not been able to adequately address the threat posed by Alligator Weed in their waterways because of inadequate resourcing, and this situation is far more acute in the Sydney Basin than in the Hunter. Given the limitation of funding, some LGAs are implementing annual control programmes against Alligator Weed with up to three herbicide treatments per year, but infestations of Alligator Weed are notorious for being recalcitrant to this standard treatment routine.

Inadequate coordination of control efforts across all LGAs and lack of clarity on LGA boundaries, has led to infestations in some waterways receiving treatment, while others receive little or no treatment. This has led to the ineffective containment of the expansion within the 'core' regions. In some cases, diffused responsibilities and inadequate priority given to relatively small infestations by various jurisdictions, has exacerbated the problem.

The current coordination of control efforts of all declared weeds in the Sydney Basin is attempted through the four Regional Weed Committees, which were set up by NSW DPI. However, the Committees have responsibility for coordinating the management of a number of major weed

species, and this dilutes the high-intensity 'on-ground' coordination of efforts and monitoring that needs to be dedicated to managing the expansion of Alligator Weed.

Given that a 'Hawkesbury-Nepean Alligator Weed Management Task Force' existed and functioned effectively as a coordinating body until 2004, it is necessary to review the situation in the Sydney Basin and make improvements.

In the Hunter region, renewed efforts are already underway to set up a Committee of weed managers (Laing, M., Hunter Councils, 2008, *pers. communication*). The task facing the new effort would include building on what has been achieved thus far with new initiatives and strategies to resolve long-standing management issues and make progress on more effective management of Alligator Weed across the wider Hunter region.

The new initiative in the Hunter includes canvassing within the region for additional funding and resources and a funding application to the NSW Environmental Trust under the Waterways rehabilitation programme.

Inadequate Priority and Legislative position

An issue that has clearly emerged during the study is the insufficient priority given to Alligator Weed- an invader that has long been recognised as posing possibly the largest threat to Australian waterways and landscapes. This inadequate recognition- a gross underestimation of a 'colonising species' with wide ecological amplitude- is apparent at both State and Local Government levels.

It is a common view that leadership, action 'on the ground' and resourcing during the past two decades have not matched the threat posed by Alligator Weed, given that a large part of Australia has been demonstrated to have the climate suitability for its growth.

Until the amendments, which came into effect in 2004, under the *NSW Noxious Weeds Act 1993*, Alligator Weed was declared a **W1** noxious weed throughout most of NSW, That classification meant that the presence of Alligator Weed needed to be notified to the Local Control Authority and the weed had to be 'fully and continuously suppressed and destroyed'.

The amended declaration of Alligator Weed as a **Class 3** noxious weed within 'core' infestation areas in NSW means that 'the plant must be fully and continuously suppressed and destroyed'. Although the actual wording has not changed much, the amended classification reflects the NSW DPI's view that Alligator Weed has spread widely and is deeply entrenched in the 'core' regions. It also suggests a lack of confidence in the likelihood of eradication.

Most weed managers agree that the early goal of management of an invader like Alligator Weed must be effective containment, rather than eradication. However, it could be argued that in so far as managing a potential 'national threat' posed by an invader, the amended view of downgrading Alligator Weed to a **Class 3** declared weed is not in line with the demonstrable capacity of the invader to spread far and wider, adversely impacting waterways and landscapes, and thence impacting on Australia's economy.

After the amendment, there is strong evidence that several State agencies and authorities assign less priority to managing Alligator Weed (and other Class 3 weeds in general) in drainage basins and natural assets, which they own and manage, because of this downgrading.

Declaring Alligator Weed as a Class 3 weed is clearly a major impediment to requiring all jurisdictions to cooperate in taking collective and uniform stringent action that is commensurate with the threat posed by the invader. Taking a co-operative approach, combining the efforts of all arms of Government, State Departments, agencies and authorities and the community at large is regarded as essential in tackling Alligator Weed across the two large regions.

NSW DPI is currently undertaking a review of aquatic weeds in the State (Charlton, S., NSW DPI, 2008, *pers. communication*), and the status of Alligator Weed is likely to be reviewed during this process. It may be necessary; at least for a given period of time (such as the next 10 years), to consider Alligator Weed as a special case, and declare it in a manner that requires mandatory action to be taken by all affected landowners, agencies and the community.

Such a change will give the multiple Stakeholders the confidence, which is currently lacking, that the complex management issues are nothing new to practitioners of Weed Science, and can be collectively resolved and consistent action taken across both regions.

Inconsistency in management performance

An important factor that affects the overall effectiveness of the Alligator Weed management approach in the 'core' regions is the absence of clarity around the boundaries of some of the LGAs that share significant weed infestations. The issue becomes particularly significant, as different Contractors undertake herbicide treatments.

To exemplify, in the Sydney Basin, the heavily infested South Creek flows through Penrith and Blacktown LGAs. Although a single Control Authority/Contractor- HRCC, deals with these, in several other areas, different Contractors are involved. For instance, in dealing with the Upper Nepean infestations, the different reaches of the river are managed by Camden, Liverpool and Wollondilly Councils. These raise issues of consistency in approach to treatments. The performance across LGAs is generally highly variable, and the results are manifestly obvious.

Issues related to inconsistent approaches (such as delaying herbicide treatments to allow biological agents to do maximum damage) have resulted in highly variable performances, particularly in the Sydney Basin, and have been compounded by lack confidence in what works and what does not.

The way forward, supported by all Stakeholders, is to establish uniform treatment regimes, implement these stringently with adequate resourcing, and monitor performance with agreed, reporting protocols, which need to be quantitative. This requires laying heavy emphasis on relevant technical issues surrounding the well-known control options.

Establishing 'Baseline', Mapping and On-going Monitoring

An important element is the need for more accurate information, building on the current knowledge of infested locations and their attributes. When resources available for managing this invader are particularly inadequate, the control efforts need to be more focused and targeted, as well as be measurable. This can only be achieved by improving the status of the 'baseline' knowledge on the infestations (for instance, 'baseline as of 2008'), which can then be monitored for change over time.

Dedicating future resources to on-going mapping, to build a more comprehensive picture, is an acute need in the Sydney Basin, and there are gaps in the Hunter region as well that need to be filled. In both regions, there are clusters of dedicated Weed Officers, whose historical knowledge of waterways and infested sites need to be harnessed to achieve this task.

Future mapping also has to be uniform across the broader areas, so that effectiveness of control programmes can be measured and compared. The regional guidelines for weed mapping, adapted by the Sydney Weeds Committees from the national guidelines, are suitable for this (Coventry, R., NSW DPI, 2008; *pers. communication*) and their adoption should be encouraged.

Several LGAs have new and expanding infestations, in both lands and waterways owned and managed by State agencies. To map these effectively, cooperation, as well as participation of Stakeholders is essential.

Planning Management Action, Implementation at 'local level' and Monitoring

'Think Globally, but Act Locally' is a well-known adage in Weed Science. Reviewing the history of Alligator Weed management efforts over the past two decades, it is evident that this maxim needs to be re-emphasized, to win the battle against such an aggressive coloniser.

The Study revealed that a great deal of strategic planning has already occurred over the past two decades, initially at the National level (ARMCANZ, 2000), and then at the State level (NSW DPI, 1999). Planning at the regional level, covering both Sydney and Hunter Regions (NSW DPI, 2004), and at the catchment level (NSW DPI, 2001) complemented the National and State level efforts.

Although generic in nature, the intent of the higher-level planning is to take a broader strategic approach to managing the invasive species. The elements covered by the 'Strategic Plans' reflect sound principles of NRM management in Australia, and have relevance for the current and future management of the invader. In particular, the 'Hawkesbury Nepean Alligator Weed Task Force' implemented a good deal of its Strategic Plan whilst it was functional until about 2004.

There is general consensus among weed managers that the support for implementation of the Strategic Plans has been lukewarm at best, at all levels. The real challenge therefore, is to translate Strategic Plans to Action Plans.

There has also been no formalized process to assign responsibilities and monitor outcomes. Findings of the 2007 audit on aquatic Weeds of National Significance (WoNS), which included Alligator Weed, in terms of effectiveness of implemented programmes, are possibly an indication of how well the National level efforts have progressed[3].

Notwithstanding the efforts of control authorities and several individual Councils in both regions, what is glaringly missing are **Local Implementation Plans**, which should have logically followed the Strategic Plans. In the absence of a highly effective biological control agent, successful management of an invader like Alligator Weed can only be achieved by 'location-specific' or 'site-specific' or 'asset-specific' weed management planning approaches.

For this planning to occur, on-going mapping and monitoring are essential, as previously discussed. Comprehensive details are required on the infested sites, their extent, nature of adjacent vegetation, ownership of lands and waterways and what integrated approaches might be applicable to individual locations and jurisdictions.

It is known that the NSW DPI's noxious weeds grants, disbursed through Noxious Weeds Advisory Committee (NWAC) Grants, are intended to apply to local weed control plans that are submitted as part of the grant process. No grant funds are allocated without a plan.

Providing assistance to LGAs to produce the plans and coordinating the grant application process are among the functions performed by the Regional Weed Committees. Annual reporting is also required on implementation of the Regional Weed Management Plans, with reporting on achievement of each action. However, what is lacking is the ability to audit, or indeed monitor the effectiveness of the control actions under these plans.

Following agreed guidelines, the Local Implementation Plans need to adopt integrated approaches to tackle 'site-specific' issues, as well as issues of broader catchment, such as sources of urban run-off and wastewater discharges, which cause nutrient enrichment of waterways. Many Weed Officers are cognizant of the fact that dominance of a 'colonising species' like Alligator Weed in many urban creeks is a manifestation of human impacts, including nutrient enrichment of waterways- an inevitable outcome of urban development.

The way forward is to follow up on Regional Weed Management Plans with implementation plans for each LGA, which must then report back annually on achieved outcomes on a prescribed format. Audits of performance, based on expected outcomes of the integrated management approaches adopted, are required at least biannually, to be accountable for responsibly expending public funds.

For the past 10 years or so, there has been no independent measurement of performance of Contractors, or how well the implemented programmes have performed.

Notwithstanding the considerable progress that has been made by diligent efforts of some LGAs, the mind-set that reliance of getting three herbicide treatments per year by any Contractor satisfies the regulatory requirement is manifestly flawed and needs to be reviewed if the war against Alligator Weed is to be won in the future.

[3] This information was not available at the time of writing the Report.

Research and Development Needs

There is still debate among researchers and weed managers as to what further R&D is needed to improve Alligator Weed management in Australia. The CRC-led Alligator Weed Management research programme identified several key 'knowledge gaps' in Alligator Weed biology, ecology and response to control. Whilst acknowledging these 'gaps' in know-how, Chandrasena *et al*. (2004) pointed out that the main obstacle to effective 'on-ground' management in Australia was lack of a well-coordinated, implementation strategy that had to follow the well-intended Strategic Plans.

Not all 'gaps' have been filled by research over the past five years, but some have been. There is now published literature on several of the 'biology and ecology' related questions that had previously been considered 'impediments' to effectively manage Alligator Weed

For instance, recent research (Schooler *et al.*, 2007; 2008; Wilson *et al.*, 2007) has covered issues such as biomass production, seasonality, rate of growth, factors controlling growth and resource allocation under aquatic and terrestrial habits and shoot/stolon production. Some work has already been done on the effect of continued defoliation on carbohydrate reserves, longevity, viability and behaviour of nodes and buds from the stems and root systems.

On the control-related research, several promising, new biological control agents are still under evaluation at CSIRO Entomology laboratories (Schooler, S., CSIRO, 2008; *pers. communication*).

Weed managers agree that there would be high reliance on herbicides for several more years. The availability of non-selective 'Bi-Active' Glyphosate and the highly selective, Metsulfuron-Methyl, should improve control efforts across the State over the next few years.

However, there are several significant gaps in knowledge, particularly regarding the use of Glyphosate in Alligator Weed management. The following sections highlight some of these aspects that need further research.

Control-related: Herbicides

There is a persistent view that Glyphosate does not translocate well within Alligator Weed. This is regarded as a main reason for its ineffectiveness in many situations. There is also a view that Glyphosate-treated Alligator Weed fragments more easily, and spread could occur as a result. However, the 'on-ground' ineffectiveness of Glyphosate treatments is not uniform, and at various locations, multiple applications of Glyphosate have provided good control of Alligator Weed.

As discussed by Chandrasena et al (2004), given that Alligator Weed is very susceptible to Glyphosate, the contributory factors for inadequate 'on-ground' success with Glyphosate are likely to be related to 'mode of action' (i.e. uptake and translocation).

Based on discussions, high on the list of potential contributory factors that requires further research, are the following:

⇒ **Plant factors-**

Leaf surface characteristics, related to habit, increased cuticle impermeability and hardiness in plants as a response to drought stress; Calcium and other deposits on leaves.

⇒ **Formulation factors- Source water**

Common di- and tri-valent cations in the source water, like Ca^{++}, Mg^{++} and Fe^{+++} as well as clay particles inactivate Glyphosate through chelation and other chemical interactions.

⇒ **Formulation factors- Additives**

As one of the most hydrophilic herbicides available, Glyphosate is well known to require some assistance by an additive, to adjust its hydrophilic-lipophylic balance and to achieve a high degree of cuticular penetration.

The absence of additives in the 'Bi-active' formulation is possibly the major cause of the overall ineffectiveness of Glyphosate, as inadequate uptake leads to insufficient translocation.

A range of new generation, biodegradable additives (polymers like starch, and other carbohydrate based gums) is available. Some have been registered overseas (i.e. USA) for use with Glyphosate in waterways, and Australian research needs to investigate these options.

Glyphosate is also well known to cause an array of sub-lethal effects in plants. Increased fragmentation in a clonal species like Alligator Weed is quite possibly such an effect. There are hormone-mimic chemicals, which are used to prevent fragmentation and formation of abscission layers in horticultural crops. Future research should explore the practicability of using such chemicals in combination treatments with Glyphosate, to prevent fragmentation of large Alligator Weed populations.

⇒ **Environmental factors-**

Alligator Weed thrives on nutrient-rich sediments in urban waterways. The allocation of resources to above ground stems and subterranean parts under different nutrient regimes could determine the effectiveness of long-term control.

⇒ **Effective treatment regimes-**

A treatment regime is the combination of one or multiple and/or sequential treatments that apply control pressure on a weed population. It incorporates the herbicide dose, how and when the dose is to be delivered, and how often.

The standard three treatments per year recommendation is largely a practical one, possibly based on the experience that Contractors can only get through three treatments in a year, covering all infested sites. Other underlying factors are the obvious costs of treatments, and possibly the reluctance to rely too heavily on herbicides in sensitive aquatic habitats.

There is evidence that multiple applications with relatively short gaps between treatments could increase the control pressure on Alligator Weed populations, and cause collapse. The short gaps allow the targeting of sections of a large population that may not have received adequate herbicide in the previous treatments. Research needs to investigate 'short-gap' multiple treatments more thoroughly for wider adoption.

However, the integration of control options, particularly for containment of spread (such as the use of barriers like weed matting), needs to be supported with effectiveness demonstrations.

Increasing Community Awareness and Engagement

The importance of increasing community awareness of the threats posed by Alligator Weed is well recognized in both Sydney and Hunter regions, and regular educational campaigns are conducted. Various types of educational material (i.e. brochures, pamphlets and posters) are available, and to a degree, have been disseminated widely in all regions.

The value of community education and awareness is undisputed, but the effectiveness of the initiatives is difficult to assess. Often, the campaigns end up being 'preaching to the converted', and therefore, need to be refreshed, from time to time, to attract a wider audience. In a new management initiative, community awareness campaigns need to continue, although a more targeted approach appears necessary- i.e. developing educational material that addresses particular situations faced by stakeholders, such as the Road Traffic Authority, Rail Authority, water utilities in both regions, and their Contractors.

The previously successful campaign against 'backyard infestations' (Gunasekera *et al.*, 2002; Meyer et al., 2007) point to the resource intensiveness and commitment required, to make a difference. An 'educational sub-committee' functioning for a period, could develop the required material, targeting particular operational practices. Participation of agency stakeholders must be achieved, to give them ownership of the outcomes.

In dealing with vast terrestrial infestations in private landholdings, mainly in Port Stephens and Maitland LGAs, community engagement is necessary, and for this, new strategies are warranted.

The model of engaging landholders through incentive schemes is well established within the funding frameworks and coordination work undertaken by CMAs. An example is the Hawkesbury-Nepean CMA's highly successful programme of riverbank rehabilitation, whereby private landholders can apply for grants up to $ 20,000 to protect and restore creek and riverbanks in the Hawkesbury Nepean catchment. Landholders are expected to provide 'in-kind' contributions to any undertaking, as part of the funding agreement. Similar incentive schemes exist in the Hunter region as well, and appear to be the only way to make a difference in tackling the problem.

Inter-agency Cooperation and Multiple Stakeholder Cooperation

The study revealed that the attention paid to an invader like Alligator Weed by various State Agencies and public authorities is highly variable and often inadequate. The activities of several State-owned entities have caused the spread of Alligator Weed through contaminated earth-moving equipment and movement of fill material. As discussed in the Report, these disturbances continue unabated, posing the biggest risks of further Alligator Weed spread.

Agencies, which need to be engaged in a strategic management initiative, should include those managing highways, rail corridors, water utilities and the Defence Estate.

Natural resource management, particularly weed management, is based on models of multiple stakeholder engagement and 'whole-of-government' cooperative approaches. However, it is necessary to emphasize that leadership is required to garner goodwill, invoke effective partnerships and obtain commitment from multiple stakeholders, and work cooperatively to reduce the potentially national threat. Having the legislative requirements to back the call for cooperation is also regarded as a must.

A Final Word

There is still a widely expressed sentiment that Alligator Weed management is rarely successful or even possible. However, the experiences of treatment and containment in the Hunter Rivers, and several urban creeks and wetlands in Sydney, and at specific locations, indicate that the pessimistic view is not justified. Poor planning and lack of performance-based implementation in many situations have exacerbated the effect of resource deficiencies.

After nearly two decades of research in Australia, It is the author's belief that even eradication of local infestations from infested parcels of land, ponds or creeks is possible with well-planned and committed programmes. A much higher level of success in 'maintenance management' or containment is also achievable by integrated actions.

Whilst more effective biological control agents and treatment regimes are awaited, to win the war against Alligator Weed, a more dedicated effort and leadership is needed. A much more clear commitment from all Stakeholders would allow better access to sharing of resources, funding, expertise, public involvement and review. Such a commitment will ease the organisational lethargy, lack of resources and inadequate priority attached to Alligator Weed.

Above all, the success of integrating any of the control options available to stop the further spread of the weed in any geographical jurisdiction depends on an outcome-oriented resolve to rigorously monitor the effectiveness of control actions, report on overall success and learn from experiences.

This Study, it is hoped, is the beginning of a new strategic initiative towards incrementally arresting the spread of Alligator Weed, leading towards its containment in the first instance, and eventually managing the nation-wide threat.

5 References

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Appendix A – Risk Assessments- Sydney Basin

Auburn LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Duck Creek	316552.49	6252142.2	4	51% to 75%	3	2	2	2	1	0	2	0	3	1	16
AW-Aquatic	Null	Duck Creek	316426.8	6251748.2	5	51% to 75%	3	2	2	2	1	0	2	0	3	1	16
AW-Aquatic	Null	Duck Creek	316363.17	6249275.7	4	51% to 75%	2	2	2	2	1	0	2	0	3	1	16
AW-Aquatic	AW-Terrestrial	Carnarvon GC	318729.58	6250009	100	51% to 75%	2	2	2	3	0	2	2	0	3	2	18
AW-Aquatic	Null	Duck River, Granville	316594.16	6253607.9	12	26% to 50%	2	2	2	2	1	1	2	0	2	2	16
AW-Aquatic	Null	Duck River, Granville	316575.99	6253236.7	10	26% to 50%	2	2	2	2	1	1	2	0	2	2	16
AW-Aquatic	AW-Terrestrial	Duck River, Granville	316571.94	6253111.2	20	26% to 50%	2	2	2	2	1	1	2	0	2	2	16
AW-Aquatic	AW-Terrestrial	Duck River, Granville	316677.67	6253738.1	12	26% to 50%	2	2	2	2	1	1	2	0	2	2	16
AW-Aquatic	Null	Duck River, Granville	316688.06	6253852.6	10	26% to 50%	2	2	2	2	1	1	2	0	2	2	16
AW-Aquatic	Null	Duck River, Granville	316697.13	6253989.8	12	26% to 50%	2	2	2	2	1	0	2	0	2	2	16

Bankstown LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Amaroo Reserve, Bankstown	313550.9347	6246200.392	60	6% to 25 %	2	2	3	2	0	0	2	0	2	3	16
AW-Aquatic	Null	Amaroo Reserve, Bankstown	313525.3816	6246215.823	40	> 75%	2	2	3	2	0	0	2	0	2	3	16
AW-Aquatic	Null	Amaroo Reserve, Bankstown	313481.7983	6246239.006	10	26% to 50%	2	2	3	2	0	0	2	0	2	3	16
AW-Aquatic	Null	Ashford Reserve, Milperra, UBD 270	314291.1489	6243645.63	40	26% to 50%	1	2	3	2	0	0	2	0	4	3	17
AW-Aquatic	AW-Terrestrial	Ashford Reserve, Milperra, UBD 270	314336.8791	6243636.9	40	26% to 50%	1	2	3	2	0	0	2	0	4	3	17
AW-Aquatic	AW-Terrestrial	Ashford Reserve, Milperra, UBD 270	314371.925	6243626.709	15	26% to 50%	1	2	3	2	0	0	2	0	4	3	17
AW-Aquatic	Null	Ashford Reserve, Milperra, UBD 270	314385.7321	6243621.91	40	26% to 50%	1	2	3	2	0	0	2	0	4	3	17
AW-Aquatic	Null	Ashford Reserve, Milperra, UBD 270	314407.3326	6243609.688	8	51% to 75%	1	2	3	2	0	0	2	0	4	3	17
AW-Terrestrial	AW-Aquatic	Ashford Reserve, Milperra, UBD 270	314397.4765	6243611.274	10	6% to 25 %	1	2	3	2	0	0	3	0	4	3	17
AW-Aquatic	Null	Ashford Reserve, Milperra, UBD 270	314150.6442	6243690.051	40	26% to 50%	1	2	3	2	0	0	2	0	4	3	17
AW-Aquatic	Null	Ashford Reserve, Milperra, UBD 270	314114.9146	6243698.269	40	> 75%	1	2	3	2	0	0	2	0	4	3	17
AW-Aquatic	Null	Ashford Reserve, Milperra, UBD 270	314092.1205	6243703.098	40	51% to 75%	1	2	3	2	0	0	2	0	4	3	17
AW-Aquatic	Null	Ashford Reserve, Milperra, UBD 270	314031.7552	6243725.014	40	> 75%	1	2	3	2	0	0	2	0	4	3	17
AW-Aquatic	AW-Terrestrial	Ashford Reserve, Milperra, UBD 270	314031.5431	6243725.249	40	> 75%	1	2	3	2	0	0	2	0	4	3	17
AW-Aquatic	Null	Ashford Reserve, Milperra, UBD 270	314009.8324	6243732.192	15	51% to 75%	1	2	3	2	0	0	2	0	4	3	17
AW-Aquatic	Null	Ashford Reserve, Milperra, UBD 270	313976.0818	6243738.415	10	26% to 50%	1	2	3	2	0	0	2	0	4	3	17

Bankstown LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Ashford Reserve, Milperra, UBD 270	313960.3	6243739.43	40	> 75%	1	2	3	2	0	0	2	0	4	3	17
AW-Terrestrial	AW-Aquatic	Ashford Reserve, Milperra, UBD 270	313932.9814	6243744.393	12	6% to 25 %	1	2	3	2	0	0	2	0	4	3	17
AW-Aquatic	Null	Ashford Reserve, Milperra, UBD 270	313927.6686	6243743.306	40	> 75%	1	2	3	2	0	0	2	0	4	3	17
AW-Aquatic	Null	Ashford Reserve, Milperra, UBD 270	313907.2745	6243745.671	40	> 75%	1	2	3	2	0	0	2	0	4	3	17
AW-Aquatic	Null	Ashford Reserve, Milperra, UBD 270	313922.8211	6243758.438	6	26% to 50%	1	2	3	2	0	0	2	0	4	3	17
AW-Aquatic	AW-Terrestrial	Ashford Reserve, Milperra	313275.9089	6243516.265	12	6% to 25 %	1	2	3	2	0	0	2	0	4	2	16
AW-Aquatic	AW-Terrestrial	Ashford Reserve, Milperra	312921.214	6243455.685	10	6% to 25 %	1	2	3	2	0	0	2	0	4	2	16
AW-Aquatic	AW-Terrestrial	Ashford Reserve, Milperra	312656.3114	6243221.241	12	6% to 25 %	1	2	3	2	0	0	2	0	4	2	16
AW-Aquatic	Null	Bransgrove Rd, Panania, UBD 270	314190.5804	6242197.866	40	51% to 75%	1	0	4	4	0	0	3	0	4	4	20
AW-Aquatic	Null	Bransgrove Rd, Panania, UBD 270	314186.9507	6242180.436	40	> 75%	1	0	4	4	0	0	3	0	4	4	20
AW-Aquatic	Null	Bransgrove Rd, Panania, UBD 270	314165.0674	6242182.104	40	> 75%	1	0	4	4	0	0	3	0	4	4	20
AW-Aquatic	Null	Bransgrove Rd, Panania, UBD 270	314162.5828	6242199.9	40	> 75%	1	0	4	4	0	0	3	0	4	4	20
AW-Aquatic	Ludwigia	Chullora Wetlands	319459.58	6248207.5	400	51% to 75%	2	2	1	1	1	1	1	0	4	4	17
AW-Aquatic	AW-Terrestrial	Chullora Wetlands	319260.76	6248047.2	1000	51% to 75%	2	2	1	1	1	1	1	0	4	4	17
AW-Aquatic	Null	Concrete Storm Channel, Villawood	313457.29	6249280.396	80	> 75%	3	0	2	0	0	0	2	0	3	3	13
AW-Aquatic	Null	Concrete Storm Channel, Villawood	313305.9766	6249324.746	40	6% to 25 %	3	0	2	0	0	0	2	0	3	3	13
AW-Aquatic	Null	Concrete Storm Channel, Villawood	313278.9852	6249329.228	60	6% to 25 %	3	0	2	0	0	0	2	0	3	3	13
AW-Aquatic	Null	Concrete Storm Channel, Villawood	313240.9023	6249340.236	40	> 75%	3	0	2	0	0	0	2	0	3	3	13
AW-Aquatic	Null	Concrete Storm Channel, Villawood	313170.1929	6249361.074	10	26% to 50%	3	0	2	0	0	0	2	0	3	3	13
AW-Aquatic	Null	Concrete Storm Channel, Villawood	313515.9477	6249165.871	10	26% to 50%	3	0	2	0	0	0	2	0	3	3	13
AW-Aquatic	Null	East Hills UBD 290	314464.9766	6240281.534	25	6% to 25 %	2	0	3	2	0	0	2	0	4	2	15
AW-Aquatic	Null	East Hills UBD 290	314434.614	6240243.234	10	6% to 25 %	2	0	3	2	0	0	2	0	4	2	15
AW-Aquatic	Null	East Hills UBD 290	314426.3299	6240232.348	12	6% to 25 %	2	0	3	2	0	0	2	0	4	2	15
AW-Aquatic	Null	Kelso Park, Kelso Creek	313800.4538	6241697.879	10	26% to 50%	0	2	3	2	0	0	2	0	4	2	15
AW-Terrestrial	AW-Aquatic	Kelso Park, Kelso Creek	313802.6689	6241681.996	3	6% to 25 %	0	2	3	2	0	0	2	0	4	2	15
AW-Aquatic	Null	Kelso Park, Kelso Creek	313805.8745	6241656.827	3	26% to 50%	0	2	3	2	0	0	2	0	4	2	15
AW-Aquatic	AW-Terrestrial	Kelso Park, Kelso Creek	313838.3581	6241528.669	15	26% to 50%	0	2	3	2	0	0	2	0	4	2	15
AW-Aquatic	AW-Terrestrial	Kelso Park, Kelso Creek	313855.4167	6241513.275	25	51% to 75%	0	2	3	2	0	0	2	0	4	2	15
AW-Aquatic	AW-Terrestrial	Kelso Park, Kelso Creek	313954.9892	6241177.281	10	26% to 50%	0	2	3	2	0	0	2	0	4	2	15
AW-Terrestrial	AW-Aquatic	Kelso Park, Kelso Creek	313911.4536	6241190.451	15	6% to 25 %	0	2	3	3	0	0	2	0	4	2	15
AW-Terrestrial	AW-Aquatic	Kelso Park, Kelso Creek	313902.753	6241215.78	40	6% to 25 %	0	2	3	2	0	0	2	0	4	2	15
AW-Terrestrial	AW-Aquatic	Kelso Park, Kelso Creek	313886.4754	6241237.929	40	51% to 75%	0	2	3	2	0	0	2	0	4	2	15
AW-Aquatic	Null	Kelso Park	314739.8315	6241801.047	40	26% to 50%	1	0	3	3	0	0	3	0	4	4	18

Bankstown LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Kelso Park	314720.0437	6241795.473	40	6% to 25 %	1	0	3	3	0	0	3	0	4	4	18
AW-Aquatic	Null	Kelso Park	314694.8326	6241787.023	40	6% to 25 %	1	0	3	3	0	0	3	0	4	4	18
AW-Aquatic	Null	Kelso Park	314575.5667	6241753.064	3	6% to 25 %	1	0	3	3	0	0	3	0	4	4	18
AW-Terrestrial	AW-Aquatic	Kelso Park	314331.6841	6241721.436	4	6% to 25 %	1	0	3	3	0	0	3	0	4	4	18
AW-Aquatic	Null	Kelso Park	314290.5744	6241714.373	5	51% to 75%	1	0	3	3	0	0	3	0	4	4	18
AW-Aquatic	Null	Kelso Park	314277.2675	6241682.499	4	6% to 25 %	1	0	3	3	0	0	3	0	4	4	18
AW-Aquatic	Null	Kelso Park	314260.3742	6241644.465	40	51% to 75%	1	0	3	3	0	0	3	0	4	4	18
AW-Aquatic	Null	Kelso Park	314245.8457	6241596.524	10	51% to 75%	1	0	3	3	0	0	3	0	4	4	18
AW-Aquatic	AW-Terrestrial	Kelso Park	314568.1325	6241800.361	40	> 75%	1	0	3	3	0	0	2	0	4	4	18
AW-Aquatic	Null	Kelso Park	314576.8075	6241839.916	40	51% to 75%	1	0	3	3	0	0	3	0	4	4	18
AW-Aquatic	Null	Kelso Park	314584.8067	6241873.165	40	> 75%	1	0	3	3	0	0	3	0	4	4	18
AW-Aquatic	Null	Lake Gilawarna	313286.8003	6246360.269	5	6% to 25 %	2	2	2	0	2	1	0	0	2	3	14
AW-Aquatic	Null	Lake Gilawarna	313259.4895	6246384.506	8	6% to 25 %	2	2	2	0	2	1	0	0	2	3	14
AW-Aquatic	AW-Terrestrial	Lake Gilawarna	313246.6241	6246417.804	20	51% to 75%	2	2	2	0	2	1	0	0	2	3	14
AW-Terrestrial	AW-Aquatic	Lake Gilawarna	313077.664	6246635.396	50	6% to 25 %	2	2	2	0	2	1	0	0	2	3	14
AW-Terrestrial	AW-Aquatic	Lake Gilawarna	313106.0668	6246593.073	5	26% to 50%	2	2	2	0	2	1	0	0	2	3	14
AW-Terrestrial	Null	Lake Gilawarna, Bankstown	313155.2089	6246229.196	5	26% to 50%	2	2	2	0	2	1	0	0	2	3	14
AW-Aquatic	Null	Salt Pan Reserve, Riverwood	318891.6339	6242495.971	40	6% to 25 %	1	3	3	3	0	0	2	0	4	3	19
AW-Aquatic	Null	Salt Pan Reserve, Riverwood	318878.0723	6242545.344	12	6% to 25 %	1	3	3	3	0	0	2	0	4	3	19
AW-Terrestrial	AW-Aquatic	Salt Pan Reserve, Riverwood	318873.0051	6241861.735	4	6% to 25 %	1	3	3	3	0	0	2	0	4	3	19
AW-Aquatic	AW-Terrestrial	Yeramba Lagoon	315647.6671	6238465.712	40	6% to 25 %	2	0	3	1	1	1	2	0	4	4	18
AW-Aquatic	Null	Yeramba Lagoon	315575.3811	6238458.709	40	> 75%	2	0	3	1	1	1	2	0	4	4	18
AW-Aquatic	Null	Yeramba Lagoon	315722.593	6238725.887	20000	> 75%	3	0	3	1	1	1	2	0	4	4	18
AW-Aquatic	Null	Yeramba Lagoon	315469.6036	6238413.438	40	6% to 25 %	2	0	3	1	1	1	2	0	4	4	18

Baulkham Hills LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Cattai Creek	306907.7	6285053	25	26% to 50%	4	2	2	1	3	0	1	0	3	3	19
AW-Aquatic	Null	Cattai Creek	306923.4	6285028	40	51% to 75%	4	2	2	1	3	0	1	0	3	3	19

Baulkham Hills LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Senegal Tea	Cattai Creek	308184.9	6284557	40	6% to 25 %	4	2	2	1	3	0	1	0	3	3	19
AW-Aquatic	Senegal Tea	Cattai Creek	308771.7	6282639	40	75%	4	2	2	1	3	0	1	0	3	3	19
AW-Aquatic	Null	Cattai Creek	308514.2	6283178	10	6% to 25 %	4	2	2	1	3	0	1	0	3	3	19
AW-Aquatic	Senegal Tea	Cattai Creek	308829.4	6283390	30	> 75%	4	2	2	1	3	0	1	0	3	3	19
AW-Aquatic	Null	Cattai Creek	307263.9	6284597	40	51% to 75%	4	2	2	1	3	0	1	0	3	3	19
AW-Aquatic	Senegal Tea	Cattai Creek	307220.2	6284555	25	51% to 75%	4	2	2	1	3	0	1	0	3	3	19
AW-Aquatic	Null	Cattai Creek	306992.3	6284759	40	51% to 75%	4	2	2	1	3	0	1	0	3	3	19
AW-Aquatic	Null	Cattai Creek	306418.1	6285184	30	51% to 75%	4	2	2	1	3	0	1	0	3	3	19
AW-Aquatic	Null	Cattai Creek	305456.3	6285235	40	> 75%	4	2	2	1	3	0	1	0	3	3	19
AW-Terrestrial	AW-Aquatic	Smalls Crk, D/S Poole Rd	310339.8	6269191	10	6% to 25 %	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Crk, D/S Poole Rd	310280.2	6269194	35	6% to 25 %	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Crk, D/S Poole Rd	310207.9	6269279	20	6% to 25 %	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek, Gumnut Close	310172.1	6269337	20	6% to 25 %	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek, Gumnut Close	310163.6	6269399	40	6% to 25 %	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek, Gumnut Close	310156.4	6269408	20	6% to 25 %	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek, Gumnut Close	310090.4	6269461	40	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek, Gumnut Close	310057.1	6269500	40	> 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek, Gumnut Close	310043.9	6269523	40	> 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek, Gumnut Close	310022.4	6269538	40	> 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek, Gumnut Close	309963.6	6269593	40	> 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek, Gumnut Close	309938.4	6269630	40	6% to 25 %	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek, Curtis Road	309843.6	6269829	80	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek, Curtis Road	309833	6269824	40	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek, Curtis Road	309807.3	6269865	80	> 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek, Curtis Road	309704.5	6270000	90	> 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	Null	Smalls Creek, Curtis Road	309689.2	6270064	20	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek, Curtis Road	309672	6270125	120	> 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Ck, Withers Road Bridge	309412.5	6270548	80	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Crk, D/S Withers Rd	309236.8	6270719	40	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Creek	311474.7	6268805	50	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Creek	311261.1	6268930	40	51% to 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Creek	311245.9	6268934	40	51% to 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek	311230.8	6268931	40	51% to 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Creek	311209.1	6268914	40	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek	311198.1	6268913	40	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek	311169.3	6268902	40	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek	311155.5	6268902	40	51% to 75%	3	2	3	2	0	1	2	0	4	4	21

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Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	AW-Terrestrial	Smalls Creek	311143.8	6268907	40	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek	311135.7	6268912	40	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek	311127.5	6268921	40	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek	311114.2	6268924	40	51% to 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek	311103.7	6268926	40	51% to 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek	311089.7	6268931	40	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek	311063.3	6268944	40	6% to 25 %	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek	311056.3	6268949	40	6% to 25 %	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek	311007.7	6268979	400	6% to 25 %	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Creek	310688.7	6269127	40	> 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Creek	310700.3	6269123	40	> 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek	310710.9	6269116	100	> 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek	310733.9	6269105	500	51% to 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek	310769.7	6269083	40	> 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek	310560.5	6269106	25	<= 5%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Creek	308242	6273621	40	> 75%	3	2	3	2	0	0	3	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls-Cattai Creeks Confluence	308236.4	6273626	50	> 75%	3	2	3	2	0	0	3	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Crk	308366.6	6273588	50	> 75%	3	2	3	2	0	0	3	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Crk	308359.8	6273540	100	> 75%	3	2	3	2	0	0	3	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Crk	308344.8	6273502	40	> 75%	3	2	3	2	0	0	3	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Crk	308339.2	6273492	50	> 75%	3	2	3	2	0	0	3	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Crk	308335	6273468	40	> 75%	3	2	3	2	0	0	3	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Crk	308332.8	6273447	50	> 75%	3	2	3	2	0	0	3	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Crk	308323.1	6273414	40	> 75%	3	2	3	2	0	0	3	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Crk	308315.8	6273395	50	> 75%	3	2	3	2	0	0	3	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Crk	308303	6273363	40	> 75%	3	2	3	2	0	0	3	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Creek	310580.5	6269132	20	6% to 25 %	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Creek	310616	6269130	40	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Creek	310637.4	6269135	40	6% to 25 %	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek	310646.4	6269129	40	6% to 25 %	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Creek	310659	6269134	15	6% to 25 %	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek	310461.4	6269154	40	<= 5%	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek	310450.7	6269138	10	6% to 25 %	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Creek	310400.3	6269159	20	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Creek	308755.3	6271203	40	6% to 25 %	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Creek	308904.9	6271074	40	> 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek	308943.6	6271064	300	51% to 75%	3	2	3	2	0	1	2	0	4	4	21

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Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Smalls Creek	308982.6	6271017	40	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek	309015.5	6270980	150	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek	309036.2	6270962	40	> 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek	309063.6	6270945	40	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek	309117.5	6270928	40	> 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek	309137.9	6270858	40	51% to 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek	308662.7	6271433	10	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Terrestrial	AW-Aquatic	Smalls Creek	308230.7	6271696	20	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek	308636.6	6271535	12	6% to 25 %	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek	308636.7	6271550	15	6% to 25 %	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek	308628.8	6271558	12	26% to 50%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek	308597.3	6271730	25	6% to 25 %	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Smalls Creek	308594	6271739	40	> 75%	3	2	3	2	0	1	2	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Creek	308171.4	6273098	40	> 75%	3	2	3	2	0	1	2	0	4	4	20
AW-Aquatic	AW-Terrestrial	Smalls Creek	308170	6273112	40	51% to 75%	3	2	3	2	0	1	2	0	4	4	20
AW-Aquatic	AW-Terrestrial	Smalls Creek	308555.8	6272640	40	26% to 50%	3	2	3	2	0	1	2	0	4	4	20
AW-Terrestrial	AW-Aquatic	Smalls Creek	308534.7	6272647	50	51% to 75%	3	2	3	2	0	1	3	0	4	4	21
AW-Aquatic	AW-Terrestrial	Smalls Creek	310868.71	6269044.1	10	6% to 25 %	3	2	3	2	0	0	2	0	4	4	20
AW-Terrestrial	Null	Smalls Creek	310861.57	6269044.1	30	26% to 50%	3	2	3	2	0	0	2	0	4	4	20
AW-Aquatic	AW-Terrestrial	Smalls Creek	310761.63	6269101.2	12	26% to 50%	3	2	3	2	0	0	2	0	4	4	20
AW-Terrestrial	Null	Smalls Creek	310775.91	6269144.1	40	51% to 75%	3	2	3	2	0	0	2	0	4	4	20
AW-Aquatic	AW-Terrestrial	South Creek	292548.5	6264391	25	26% to 50%	4	2	2	0	1	1	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	South Creek	292553.9	6265031	40	26% to 50%	4	2	2	0	1	1	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	South Creek	292564.2	6265587	20	26% to 50%	4	2	2	0	1	1	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Bungarribbee Creek	304495.48	6259163.9	40	6% to 25 %	2	2	4	3	0	0	2	0	3	3	19
AW-Aquatic	Null	Bungarribbee Creek	304418.48	6259269.8	40	6% to 25 %	2	2	4	3	0	0	2	0	3	3	19
AW-Aquatic	AW-Terrestrial	Bungarribbee Creek	304379.98	6259289.1	30	26% to 50%	2	2	4	3	0	0	2	0	3	3	19
AW-Terrestrial	Null	Bungarribbee Creek	304235.6	6259404.6	10	<= 5%	2	2	4	3	0	0	2	0	3	3	19
AW-Aquatic	AW-Terrestrial	Bungarribbee Creek	304197.1	6259366.1	10	51% to 75%	2	2	4	3	0	0	2	0	3	3	19
AW-Aquatic	AW-Terrestrial	Bungarribbee Creek	304168.23	6259414.2	20	> 75%	2	2	4	3	0	0	2	0	3	3	19
AW-Aquatic	Null	Bungarribbee Creek	304206.73	6259250.6	35	51% to 75%	2	2	4	3	0	0	2	0	3	3	19
AW-Aquatic	Null	Blacktown Creek	310473.87	6260381.9	5	26% to 50%	3	2	2	0	0	1	2	0	3	3	16
AW-Aquatic	Null	Bungarribbee Creek	303972.29	6259402.2	4	26% to 50%	2	2	4	3	0	0	2	0	3	3	19
AW-Aquatic	AW-Terrestrial	Bungarribbee Creek	303869.84	6259503.5	10	51% to 75%	2	2	4	3	0	0	2	0	3	3	19
AW-Aquatic	AW-Terrestrial	Bungarribbee Creek	304361.11	6259810.7	10	51% to 75%	2	2	4	3	0	0	2	0	3	3	19
AW-Aquatic	AW-Terrestrial	Bungarribbee Creek	302961.88	6259729.1	15	51% to 75%	2	2	4	3	0	0	2	0	3	3	19
AW-Aquatic	Null	Blacktown Creek	310432.01	6260380.7	12	51% to 75%	3	2	2	0	0	1	2	0	3	3	16

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Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	AW-Terrestrial	Marsden Park	299196.3	6269719	40	26% to 50%	3	2	3	3	0	1	2	0	3	4	21
AW-Aquatic	AW-Terrestrial	Marsden Park	299215.7	6269690	40	6% to 25 %	3	2	3	3	0	1	2	0	3	4	21
AW-Aquatic	AW-Terrestrial	Marsden Park	299238.6	6269674	1000	6% to 25 %	3	2	3	3	0	1	2	0	3	4	21
AW-Aquatic	AW-Terrestrial	Marsden Park	299168.9	6269747	400	> 75%	3	2	3	3	0	1	2	0	3	4	21
AW-Aquatic	Null	Marsden Park	299019	6269931	40	51% to 75%	3	2	3	3	0	0	2	0	3	4	20
AW-Aquatic	Null	Marsden Park	299378.2	6269150	100	51% to 75%	3	2	3	3	0	0	2	0	3	4	20
AW-Aquatic	Null	Marsden Park	298992.6	6269839	200	51% to 75%	3	2	3	3	0	0	2	0	3	4	20
AW-Aquatic	Null	Marsden Park	299918.7	6269882	40	26% to 50%	3	2	3	3	0	0	2	0	3	4	20
AW-Aquatic	Null	Marsden Park	299410.8	6269102	40	26% to 50%	3	2	3	3	0	0	2	0	3	4	20

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Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW- Aquatic	Null	Botany Wetlands	333276.5849	6243097.77	40	6% to 25 %	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands	333332.4482	6243131.672	80	6% to 25 %	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands	333381.7411	6243205.98	40	6% to 25 %	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	AW-Terrestrial	Botany Wetlands	333479.7708	6243254.44	10	6% to 25 %	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands	333119.7151	6243172.993	10	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands	333042.1153	6243013.963	40	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands	333046.0844	6243026.717	40	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands	333184.1903	6243139.902	40	6% to 25 %	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 3a	334754.3612	6243348.032	40	6% to 25 %	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 3a	334788.3167	6243339.919	40	26% to 50%	3	2	2	1	4	2	0	0	4	3	21
AW- Aquatic	Null	Botany Wetlands-Pond 3a	334827.7411	6243349.232	40	6% to 25 %	3	2	2	1	4	2	0	0	4	3	21
AW- Aquatic	AW-Terrestrial	Botany Wetlands-Pond 3a	334843.345	6243390.852	40	51% to 75%	3	2	2	1	4	2	0	0	4	3	21
AW- Aquatic	Null	Botany Wetlands-Pond 3a	334840.0092	6243376.331	40	> 75%	3	2	2	1	4	2	0	0	4	3	21
AW- Aquatic	Null	Botany Wetlands-Pond 3a	334871.298	6243569.591	40	26% to 50%	3	2	2	1	4	2	0	0	4	3	21
AW- Aquatic	Null	Botany Wetlands-Pond 3a	334870.3223	6243576.588	40	> 75%	3	2	2	1	4	2	0	0	4	3	21
AW- Aquatic	Null	Botany Wetlands-P3/3a Channel	334986.0601	6243585.563	25	26% to 50%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 3	335043.5873	6243468.062	40	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 3	335029.1854	6243471.203	12	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 3	335025.7757	6243463.575	10	> 75%	3	2	2	1	4	2	0	0	4	4	22

Botany Bay City LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW- Aquatic	Null	Botany Wetlands-Pond 3	335134.4089	6243474.084	20	6% to 25 %	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 3	335188.0221	6243499.517	40	26% to 50%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 3	335267.8854	6243530.372	8	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 3	335246.0857	6243556.601	40	6% to 25 %	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 3	335245.8614	6243556.752	25	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 3	335290.5435	6243689.191	40	6% to 25 %	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 3	335372.1673	6243700.138	40	51% to 75%	3	2	2	1	4	2	0	0	4	3	21
AW- Aquatic	Null	Botany Wetlands-Pond 3	335377.4687	6243758.506	40	26% to 50%	3	2	2	1	4	2	0	0	4	3	21
AW- Aquatic	Null	Botany Wetlands-Pond 3	335380.3243	6243799.951	20	> 75%	3	2	2	1	4	2	0	0	4	3	21
AW- Aquatic	Null	Botany Wetlands-Pond 3	335371.171	6243841.853	20	6% to 25 %	3	2	2	1	4	2	0	0	4	3	21
AW- Aquatic	Null	Botany Wetlands-Pond 3	335460.6399	6243951.03	25	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 3	335452.6479	6243925.093	12	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 3	335428.759	6243903.581	20	6% to 25 %	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 5	335461.0693	6244018.464	40	6% to 25 %	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 5	335446.9719	6244077.869	20	26% to 50%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 5	335445.1332	6244096.307	12	26% to 50%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 5	335445.9206	6244095.635	25	6% to 25 %	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 5	335424.612	6244244.474	20	26% to 50%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 5	335446.2809	6244271.751	40	26% to 50%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 5	335396.9353	6244340.542	40	40%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 5	335388.6031	6244288.212	40	6% to 25 %	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 4	335316.8042	6244097.853	25	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 4	335309.0082	6244106.619	20	> 75%	3	2	2	1	4	2	0	0	4	3	21
AW- Aquatic	Null	Botany Wetlands-Pond 5	335324.2022	6244139.137	100	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 5	335347.048	6244085.305	200	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 5	335375.26	6244025.577	10	26% to 50%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 5	335324.9252	6243982.962	12	51% to 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	AW-Terrestrial	Botany Wetlands-Pond 5	335303.035	6243990.781	12	6% to 25 %	3	2	2	1	4	2	0	0	4	3	21
AW- Aquatic	AW-Terrestrial	Botany Wetlands-Pond 5	335226.5901	6244037.154	20	6% to 25 %	3	2	2	1	4	2	0	0	4	3	21
AW- Aquatic	Null	Botany Wetlands- islands in P4	335224.5317	6244066.102	12	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 5	335104.8678	6244044.067	10	6% to 25 %	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	AW-Terrestrial	Botany Wetlands-Pond 5	335150.08	6244093.547	40	6% to 25 %	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 5	335160.5825	6244151.41	40	6% to 25 %	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 6	335274.1691	6244432.655	40	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	AW-Terrestrial	Botany Wetlands-Pond 6	335278.8234	6244446.302	40	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW-Terrestrial	AW- Aquatic	Botany Wetlands-Pond 6	335306.6572	6244384.901	8	6% to 25 %	3	2	2	1	4	2	0	0	4	3	21
AW- Aquatic	Null	Botany Wetlands-Pond 6	335313.1969	6244376.008	40	> 75%	3	2	2	1	4	2	0	0	4	3	21

Botany Bay City LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW- Aquatic	Null	Botany Wetlands-Pond 1	334333.1095	6243476.585	12	26% to 50%	3	2	2	1	4	2	0	0	4	3	21
AW-Terrestrial	AW- Aquatic	Botany Wetlands-Pond 1	334312.1728	6243461.565	40	6% to 25 %	3	2	2	1	4	2	0	0	4	3	21
AW- Aquatic	Null	Botany Wetlands-Pond 1	334294.4708	6243454.835	40	26% to 50%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 1	334066.123	6243413.526	40	26% to 50%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 1	333894.1974	6243368.846	40	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 1	333872.1064	6243345.524	40	26% to 50%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	AW-Terrestrial	Botany Wetlands-Pond 1a	333775.1723	6243348.488	200	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	AW-Terrestrial	Botany Wetlands- Pond 1a	333702.8867	6243360.377	200	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands- Pond 1a	333594.4643	6243408.93	40	6% to 25 %	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands- Pond 1a	333621.252	6243429.019	400	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	AW-Terrestrial	Botany Wetlands-Pond 1a	333713.4239	6243457.324	80	51% to 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	AW-Terrestrial	Botany Wetlands-Pond 1a	333547.8133	6243403.762	80	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 1a	333509.8932	6243388.892	40	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Salvinia	Botany Wetlands-Pond 1a	333606.7392	6243348.541	40	6% to 25 %	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 1a	333569.4704	6243318.054	40	6% to 25 %	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 1a	333521.1	6243298.208	40	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 1a	333520.9456	6243298.507	25	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Botany Wetlands-Pond 1a	332836.7932	6242818.518	40	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Engine Pond West	332837.6161	6242814.654	40	> 75%	3	2	2	1	4	2	0	0	4	4	22
AW- Aquatic	Null	Joseph Banks Park, Botany	334562.975	6240983.309	12	26% to 50%	2	3	3	2	0	0	3	0	4	3	20
AW- Aquatic	Null	Joseph Banks Park, Botany	334959.2261	6240817.707	10	6% to 25 %	2	3	3	2	0	0	3	0	4	3	20

Camden LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	AW-Terrestrial	Exeter Pond-Camden	286924.54	6229799.1	4000	26% to 50 %	3	2	2	2	0	0	2	0	3	4	18
AW-Aquatic	AW-Terrestrial	Rileys Creek, Lepington	293687.43	6236136	8	6% to 25 %	3	3	2	2	0	2	2	0	4	2	20
AW-Aquatic	AW-Terrestrial	Rileys Creek, Lepington	294121.07	6235480.8	10	6% to 25 %	3	3	2	2	0	2	2	0	4	2	20
AW-Aquatic	AW-Terrestrial	Catherine Field Road, Camden	293746.73	6236113	3	6% to 25 %	3	2	2	3	0	0	2	0	3	1	16
AW-Aquatic	AW-Terrestrial	Catherine Field Road, Camden	293719.71	6236072.4	5	51% to 75%	3	2	2	3	0	0	2	0	3	1	16
AW-Aquatic	Null	Rileys Creek, Camden	293115.06	6239530.9	15	26% to 50 %	3	3	2	2	0	2	2	0	4	2	20
AW-Aquatic	Null	Rileys Creek, Camden	293115.06	6239530.9	15	26% to 50%	3	2	2	3	0	0	2	0	4	3	20

Campbelltown LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Terrestrial	AW-Terrestrial	Bow Bowing Creek	303781.9767	6236728.229	40	> 75%	3	2	2	2	0	0	2	0	4	3	18
AW-Aquatic	Null	Bow Bowing Creek	303792.9852	6236629.008	40	6% to 25 %	3	2	2	2	0	0	2	0	4	3	18
AW-Aquatic	Null	Bow Bowing Creek	303613.0205	6236647.598	40	6% to 25 %	3	2	2	2	0	0	2	0	4	3	18
AW-Aquatic	Null	Bow Bowing Creek	303543.4672	6236624.311	15	51% to 75%	3	2	2	2	0	0	2	0	4	3	18
AW-Terrestrial	AW-Aquatic	Bow Bowing Creek	303509.0843	6236621.237	40	51% to 75%	3	2	2	2	0	0	2	0	4	3	18
AW-Terrestrial	AW-Aquatic	Bow Bowing Creek	303465.6223	6236581.695	35	26% to 50%	3	2	2	2	0	0	2	0	4	3	18
AW-Aquatic	Null	Bow Bowing Creek	304234.356	6237394.73	40	6% to 25 %	3	2	2	2	0	0	2	0	4	3	18
AW-Aquatic	Null	Bow Bowing Creek	304241.7141	6237501.039	15	> 75%	3	2	2	2	0	0	2	0	4	3	18
AW-Terrestrial	AW-Aquatic	Bow Bowing Creek	305160.8038	6237173.196	5	26% to 50%	3	2	2	2	0	0	2	0	4	3	18
AW-Terrestrial	AW-Aquatic	Bow Bowing Creek	305259.1434	6237222.033	4	6% to 25 %	3	2	2	2	0	0	2	0	4	3	18
AW-Aquatic	Null	Bow Bowing Creek	305181.8632	6237173.48	40	6% to 25 %	3	2	2	2	0	0	2	0	4	3	18
AW- Aquatic	Ludwigia	Bow Bowing Ck, Minto	301986.9425	6234382.145	2	6% to 25 %	3	3	3	4	0	0	2	0	4	3	20
AW-Aquatic	AW-Terrestrial	Bow Bowing Ck, Minto	301693.69	6233802.2	10	51% to 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	Null	Bunbury Currans Creek	305233.4487	6237833.035	40	6% to 25 %	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek	305233.4865	6237833.93	40	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	305211.7137	6237192.459	30	26% to 50%	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	AW-Terrestrial	Bunbury Currans Creek	305270.6007	6237223.816	20	6% to 25 %	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	AW-Terrestrial	Bunbury Currans Creek	305305.4855	6237245.783	8	6% to 25 %	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek Drain	302485.8888	6236851.233	10	26% to 50%	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek Drain	302269.0758	6236644.068	40	26% to 50%	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	303412.132	6237217.441	500	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek	303423.5119	6237206.172	40	26% to 50%	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek	303562.7209	6237220.855	40	6% to 25 %	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek	303579.0916	6237222.965	100	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek	303643.7184	6237252.522	80	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek	303670.0516	6237267.085	80	26% to 50%	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek	303692.268	6237280.531	40	6% to 25 %	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek	303728.5224	6237301.222	40	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek	303655.4535	6237241.499	40	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek	303605.3721	6237225.147	80	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek	303576.2025	6237213.423	40	6% to 25 %	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek	303458.5639	6237189.639	40	6% to 25 %	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek	304047.8733	6237643.744	20	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	AW-Terrestrial	Bunbury Currans Creek	304054.0425	6237696.241	40	6% to 25 %	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	304054.1205	6237696.37	1000	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	304763.0597	6238335.234	20	6% to 25 %	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	304745.9134	6238341.176	40	26% to 50%	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	304709.8904	6238363.038	10	> 75%	3	2	2	1	0	1	1	0	4	3	17

Campbelltown LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Bunbury Currans Creek	304590.3457	6238428.375	40	6% to 25 %	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek	304557.9962	6238426.571	40	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek	304551.124	6238424.136	40	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek	304539.4439	6238425.176	40	6% to 25 %	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	304500.1904	6238417.53	40	51% to 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	304463.8678	6238405.446	40	6% to 25 %	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	304429.3167	6238394.29	40	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek	304398.2831	6238400.705	50	6% to 25 %	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	304130.6677	6237917.985	40	6% to 25 %	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	304113.3423	6237883.066	80	6% to 25 %	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	304103.896	6237783.328	40	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	30412690%	6237796.658	40	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	303776.6992	6236732.728	40	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	303600.5651	6236637.478	30	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	AW-Terrestrial	Bunbury Currans Creek	304244.0486	6237668.526	40	26% to 50%	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek	304243.8658	6237669.025	15	6% to 25 %	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	304179.0052	6237701.727	30	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury Currans Creek	304191.2606	6237697.796	16	6% to 25 %	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	304203.7106	6237099.374	40	51% to 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	304772.5322	6238202.211	40	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	304983.7312	6238084.717	40	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	304872.8406	6238206.968	6	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Bunbury Currans Creek	304809.1887	6238282.108	15	26% to 50%	3	2	2	1	0	1	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Bunbury, Kooringa Reserve	302525.1454	6236882.153	80	<= 5%	3	2	2	4	0	1	2	0	4	3	21
AW-Terrestrial	AW-Aquatic	Bunbury; concrete channel	303869.238	6237431.105	10	> 75%	3	2	2	1	0	1	1	0	4	3	17
AW-Aquatic	Null	Cabramatta Creek	304176.6218	6237067.444	30	> 75%	3	2	2	0	0	2	1	0	4	3	17
AW-Aquatic	Null	Cabramatta Creek	304792.6708	6238268.091	20	51% to 75%	3	2	2	0	0	2	1	0	4	3	17
AW-Terrestrial	AW-Aquatic	Georges River	306848.1741	6237254.788	12	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	AW-Terrestrial	Georges River	306862.9111	6237465.128	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	AW-Terrestrial	Georges River	307062.2927	6238300.905	80	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307061.8462	6238537.168	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307103.2535	6239152.183	120	6% to 25 %	4	3	3	1	3	0	2	0	4	4	24
AW-Terrestrial	AW-Aquatic	Georges River	306209.8861	6234928.067	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aqua	Null	Georges River	307129.1955	6239499.48	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307198.39	6235924.8	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307203.99	6235814.6	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307130.63	6235719.6	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17

Campbelltown LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Georges River	307127.22	6235716.6	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307103.23	6235701.8	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307064.5	6235672.1	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Terrestrial	Null	Georges River	306979.95	6235638.4	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Terrestrial	Null	Georges River	306901.87	6235619.7	6	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306842.21	6235576.7	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306823.94	6235569.6	10	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307178.28	6239633	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306788.9	6235543.4	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306775.74	6236783.4	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306803.42	6236646.6	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306806.81	6236606.8	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306817.16	6236587.8	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306819.84	6236587.1	40	51% to 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306811.5	6236647.7	40	26% to 50%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306798.19	6236670.6	20	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306775.94	6236763.6	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306766.09	6236796.6	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306760.04	6236823.1	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306753.34	6236845.3	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306772.46	6236848.6	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306765.36	6236927	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306764.52	6236954.2	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306811.89	6237090.9	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306816.02	6237134.6	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306828.21	6237192.1	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306840.55	6237288.3	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306854.6	6237280.7	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306844.82	6237320.1	40	26% to 50%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306846.65	6237335.8	40	51% to 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306846.66	6237358.3	60	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306864.91	6237385	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306876.14	6237546.8	50	26% to 50%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306874.84	6237748.6	60	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	AW-Terrestrial	Georges River	306898.75	6237837	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306890.97	6237862.5	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	AW-Terrestrial	Georges River	306916.9	6237874.6	40	> 75%	4	3	0	1	1	0	0	0	4	4	17

Campbelltown LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Georges River	306925.06	6237912.2	40	26% to 50%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306933.87	6237943.9	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306938.67	6237982.9	40	26% to 50%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306963.24	6238038.1	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306952.72	6238063.4	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306979.61	6238107.9	40	51% to 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306994.86	6238144.1	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307038.27	6238247.5	80	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	AW-Terrestrial	Georges River	307023.5	6238258.9	40	51% to 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307030.75	6238279.6	30	26% to 50%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307038.42	6238311.6	40	26% to 50%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	AW-Terrestrial	Georges River	307068.01	6238347.7	40	51% to 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	AW-Terrestrial	Georges River	307048.41	6238368.5	80	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307060.72	6238568.3	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307059.38	6238584.9	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307058.71	6238604.9	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307074.71	6238769.3	80	<= 5%	4	3	0	1	1	0	0	0	4	4	17
AW-Terrestrial	AW-Aquatic	Georges River	307068.53	6238838.3	15	26% to 50%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	AW-Terrestrial	Georges River	307087.32	6238840.3	40	26% to 50%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307071.29	6238879.3	80	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307076.41	6238903.3	80	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Terrestrial	AW-Aquatic	Georges River	307081.01	6238991.5	40	26% to 50%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307124.58	6239183.6	40	> 75%	4	3	3	1	3	0	2	0	4	4	24
AW-Aquatic	Null	Georges River	307101.59	6239192.8	80	6% to 25 %	4	3	3	1	3	0	2	0	4	4	24
AW-Aquatic	Null	Georges River	306618.21	6235473.1	100	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306260.42	6235179.3	100	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306223.7	6235119.3	40	26% to 50%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306211.94	6234942.7	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306232.9	6234806.7	40	26% to 50%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306210.24	6234916.3	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306636.18	6235479.5	40	26% to 50%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306674.86	6235501.8	40	26% to 50%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	306968.15	6236036	20	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307108.2	6239247.4	40	26% to 50%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307133.17	6239293.2	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307136.19	6239271.7	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307126.99	6239245.7	80	> 75%	4	3	0	1	1	0	0	0	4	4	17

Campbelltown LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Georges River	307151.97	6239401.7	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307159.09	6239444.2	40	26% to 50%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307157.34	6239466.3	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307127.23	6239477.2	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307138.59	6239531.7	40	6% to 25 %	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307161.74	6239533	40	51% to 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307169.6	6239607.4	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307141.85	6239600.1	80	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307180.66	6239660.1	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307191.34	6239705.5	80	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307201.27	6239737.6	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Georges River	307176.05	6239793	40	> 75%	4	3	0	1	1	0	0	0	4	4	17
AW-Aquatic	Null	Macquarie Creek	305410.6	6237340.1	40	> 75%	3	0	2	1	0	0	1	0	3	3	15
AW-Aquatic	AW-Terrestrial	Macquarie Creek	306469.09	6237913.8	15	6-25%	3	2	2	0	0	2	1	0	4	3	17
AW-Aquatic	AW-Terrestrial	Macquarie Creek	306264.88	6237770.2	8	6-25%	3	2	2	1	0	0	1	0	3	3	15
AW-Aquatic	AW-Terrestrial	Macquarie Creek	305896.25	6237667.6	10	6-25%	3	2	2	1	0	0	1	0	3	3	15
AW-Aquatic	AW-Terrestrial	Macquarie Creek	306821.11	6238126.9	10	6-25%	3	2	0	0	0	0	0	0	2	3	15
AW-Aquatic	Null	Pond, Glenfield, Cambelltown	305135.5485	6238255.668	30	51% to 75%	2	2	3	1	1	2	0	0	4	3	18
AW-Terrestrial	AW-Aquatic	Redfern Creek, Milton Park	302320.6081	6236701.399	40	26% to 50%	3	2	4	3	0	0	2	0	4	3	21
AW- Aquatic	AW-Terrestrial	Redfern Creek, Ingleburn	303290.8715	6236592.067	10	51% to 75%	3	2	2	4	0	0	2	0	4	3	20
AW- Aquatic	Null	Redfern Creek, Ingleburn	303210.0423	6234673.071	25	6% to 25 %	3	2	2	4	0	0	2	0	4	3	20
AW- Aquatic	AW-Terrestrial	Redfern Creek, Ingleburn	303192.4462	6234655.475	20	<= 5%	3	2	2	4	0	0	2	0	3	1	19
AW- Aquatic	Null	Redfern Creek, Ingleburn	303178.7063	6234553.545	25	6% to 25 %	3	2	2	4	0	0	2	0	4	3	20
AW- Aquatic	Null	Redfern Creek, Ingleburn	303161.1103	6234527.151	8	6% to 25 %	3	2	2	4	0	0	2	0	4	3	20
AW- Aquatic	Null	Redfern Creek, Ingleburn	303149.3795	6234506.622	2	6% to 25 %	3	2	2	4	0	0	2	0	4	3	20
AW- Aquatic	Null	Redfern Creek, Ingleburn	303124.5045	6234402.76	8	6% to 25 %	3	2	2	4	0	0	2	0	4	3	20
AW- Aquatic	AW-Terrestrial	Redfern Creek, Ingleburn	303185.1527	6234839.586	6	6% to 25 %	3	2	2	4	0	0	2	0	4	3	20
AW- Aquatic	AW-Terrestrial	Redfern Creek, Ingleburn	303181.2658	6234930.395	2	6% to 25 %	3	2	2	4	0	0	2	0	4	3	20
AW- Aquatic	AW-Terrestrial	Redfern Creek, Ingleburn	303165.8692	6235015.076	2	26% to 50%	3	2	2	4	0	0	2	0	4	3	20
AW- Aquatic	AW-Terrestrial	Redfern Creek, Ingleburn	302984.7729	6235471.014	9	6% to 25 %	3	2	2	4	0	0	2	0	4	3	20
AW- Aquatic	AW-Terrestrial	Redfern Creek, Ingleburn	302989.9051	6235458.183	9	26% to 50%	3	2	2	4	0	0	2	0	4	3	20
AW- Aquatic	AW-Terrestrial	Redfern Creek, Ingleburn	303030.9626	6235422.258	35	51% to 75%	3	2	2	4	0	0	2	0	4	3	20
AW- Aquatic	AW-Terrestrial	Redfern Creek, Ingleburn	303036.0948	6235386.332	18	26% to 50%	3	2	2	4	0	0	2	0	4	3	20
AW- Aquatic	AW-Terrestrial	Redfern Creek, Ingleburn	303077.1524	6235342.709	18	26% to 50%	3	2	2	4	0	0	2	0	4	3	20
AW- Aquatic	AW-Terrestrial	Redfern Creek, Ingleburn	303123.3421	6235255.462	2	26% to 50%	3	2	2	4	0	0	2	0	4	3	20
AW- Aquatic	AW-Terrestrial	Redfern Creek, Ingleburn	303175.8984	6235204.086	6	26% to 50%	3	2	2	4	0	0	2	0	4	3	20

Campbelltown LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW- Aquatic	Null	Rileys Creek, Lepington	293401.2459	6236366.507	40	51% to 75%	3	3	2	3	0	0	2	0	4	3	20
AW-Terrestrial	AW-Aquatic	Upper Bunbury Creek, Minto	301769.3957	6235004.359	30	26% to 50%	3	2	2	3	0	0	2	0	4	3	19
AW-Terrestrial	AW-Aquatic	Upper Bunbury Creek, Minto	301617.1137	6235123.418	8	6% to 25 %	3	2	2	3	0	0	2	0	4	3	19

Canterbury LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Bardwell Creek, UBD 274	327439.3351	6243625.889	8	26% to 50%	2	0	3	3	0	0	2	0	3	3	16
AW-Aquatic	Null	Bardwell Creek, UBD 274	327430.7494	6243564.467	12	26% to 50%	2	0	2	3	0	0	2	0	4	3	16
AW-Aquatic	Null	Bardwell Creek, UBD 274	327347.1771	6243535.204	10	26% to 50%	2	0	2	3	0	0	2	0	4	3	16
AW-Aquatic	AW-Terrestrial	Wolli Creek, Canterbury	327384.4167	6243939.45	8	26% to 50%	3	0	2	0	0	0	2	0	3	3	13
AW-Aquatic	Null	Wolli Creek, Canterbury	327115.8673	6243948.087	10	26% to 50%	3	0	2	0	0	0	2	0	2	2	13
AW-Aquatic	Null	Wolli Creek, Canterbury	327479.3685	6243774.439	3	26% to 50%	3	0	2	0	0	0	2	0	2	2	11
AW-Aquatic	Null	Wolli Creek, Canterbury	305582.7802	6243917.961	12	26% to 50%	3	0	2	0	0	2	1	0	3	3	14

Fairfield LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	308043.712	6246418.3	40	> 75%	3	2	2	3	0	0	2	0	3	3	16
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	307946.49	6246405.4	40	> 75%	3	2	2	3	0	0	2	0	3	3	16
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	308134.452	6246450.8	18	26% to 50%	3	2	2	3	0	0	2	0	3	3	18
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	308147.415	6246398.9	20	26% to 50%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	308134.452	6246340.6	40	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	308095.563	6246327.6	40	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	308179.822	6246321.1	50	> 75%	3	2	2	3	0	0	2	0	3	4	19

Fairfield LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	308173.341	6246308.2	35	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	308205.748	6246347.1	35	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	Null	Cabramatta Creek	308199.266	6246373	40	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	Null	Cabramatta Creek	308264.081	6246301.7	40	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	Null	Cabramatta Creek	308257.6	6246236.9	30	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	308309.451	6246204.5	30	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	308374.266	6246191.5	35	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	308205.748	6246366.5	35	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	308231.674	6246444.3	35	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	Null	Cabramatta Creek	308290.007	6246496.1	50	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	Null	Cabramatta Creek	308341.858	6246470.2	30	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	Null	Cabramatta Creek	308354.821	6246314.6	35	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	308354.821	6246295.2	40	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	Salvinia	Cabramatta Creek	308357.732	6246218	80	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	308439.615	6246362.1	60	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	308547.6	6246425.7	40	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	308625.744	6246441.7	40	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	308692.975	6246421.2	70	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	307973.397	6246432.3	35	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	307904.762	6246422.2	30	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	307867.411	6246407.3	80	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	307816.988	6246397.9	70	26% to 50%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	307657.6	6246398.1	80	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	307625.852	6246390.7	50	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	Null	Cabramatta Creek	307551.151	6246390.7	40	> 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	307319.658	6246316	12	51% to 75%	3	2	3	3	0	0	2	0	3	4	20
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	307278.801	6246193.6	80	51% to 75%	3	2	3	3	0	0	2	0	3	4	20
AW-Aquatic	Null	Cabramatta Creek	307407.676	6246453.2	30	26% to 50%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	Null	Cabramatta Creek	306962.745	6246055	15	51% to 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	306796.633	6246021.3	25	51% to 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	Null	Cabramatta Creek, Fairfield	306595.9096	6245553.283	20	51% to 75%	3	2	2	3	0	0	2	0	3	4	19
AW-Aquatic	Null	Clear Paddock Creek	308443.637	6249403.9	12	51% to 75%	3	2	3	2	0	0	3	0	3	3	19
AW-Aquatic	AW-Terrestrial	Clear Paddock Creek	308316.178	6249531.4	20	26% to 50%	3	2	3	2	0	0	2	0	4	3	19
AW-Aquatic	AW-Terrestrial	Clear Paddock Creek	308236.03	6249670.7	12	26% to 50%	3	2	3	2	0	0	2	0	4	3	19

Fairfield LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	AW-Terrestrial	Clear Paddock Creek	308071.434	6249715.1	12	26% to 50%	3	2	3	2	0	0	2	0	4	3	19
AW-Aquatic	AW-Terrestrial	Clear Paddock Creek	307385.563	6249747	10	26% to 50%	3	2	3	2	0	0	2	0	4	3	19
AW-Aquatic	AW-Terrestrial	Clear Paddock Creek	307180.892	6249861	12	26% to 50%	3	2	3	2	0	0	2	0	4	3	19
AW-Aquatic	AW-Terrestrial	Clear Paddock Creek	307588.136	6249668.8	25	26% to 50%	3	2	3	2	0	0	2	0	4	3	19
AW-Aquatic	AW-Terrestrial	Clear Paddock Creek	307766.475	6249697.2	8	26% to 50%	3	2	3	2	0	0	2	0	4	3	19
AW-Aquatic	AW-Terrestrial	Clear Paddock Creek	307101.792	6249982.4	10	26% to 50%	3	2	3	2	0	0	2	0	4	3	19
AW-Aquatic	AW-Terrestrial	Clear Paddock Creek	306703.151	6250643.1	12	26% to 50%	3	2	3	2	0	0	2	0	4	3	19
AW-Aquatic	AW-Terrestrial	Clear Paddock Creek	306769.555	6250431	12	26% to 50%	3	2	3	2	0	0	2	0	4	3	19
AW-Terrestrial	AW-Aquatic	Former Magic Kingdom, Lansvale	312285.6442	6247112	40	> 75%	0	3	3	3	0	1	3	0	3	4	21
AW-Terrestrial	AW-Aquatic	Former Magic Kingdom, Lansvale	312297.4693	6247105.1	40	> 75%	0	3	3	2	0	1	3	0	3	4	19
AW-Aquatic	AW-Terrestrial	Former Magic Kingdom, Lansvale	312311.9454	6247090.6	1500	> 75%	0	3	3	2	0	1	3	0	3	4	19
AW-Aquatic	AW-Terrestrial	Former Magic Kingdom, Lansvale	312377.2652	6247059.6	2000	> 75%	0	3	3	2	0	1	3	0	3	4	19
AW-Terrestrial	AW-Aquatic	Former Magic Kingdom, Lansvale	312284.3155	6247142.6	40	> 75%	0	3	3	2	0	1	3	0	3	4	19
AW-Aquatic	AW-Terrestrial	Green Valley Crrek, Fairfield	307973.013	6249376.4	12	51% to 75%	3	2	2	3	0	0	2	0	3	2	17
AW-Aquatic	Null	Green Valley Crrek, Fairfield	307845.386	6249369	8	51% to 75%	3	2	2	3	0	0	2	0	3	2	17
AW-Aquatic	Null	Green Valley Crrek, Fairfield	307553.809	6249245.2	6	26% to 50%	3	2	2	3	0	0	2	0	3	2	17
AW-Aquatic	Null	Green Valley Crrek, Fairfield	307327.29	6249103.9	8	51% to 75%	3	2	2	3	0	0	2	0	3	1	16
AW-Aquatic	AW-Terrestrial	Green Valley Crrek, Fairfield	307123.286	6248942.5	12	51% to 75%	3	2	2	3	0	0	2	0	3	2	17
AW-Aquatic	Null	Green Valley Crrek, Fairfield	306959.336	6248826.2	10	26% to 50%	3	2	2	3	0	0	2	0	3	1	16
AW-Aquatic	Null	Green Valley Crrek, Fairfield	306799.119	6248646.1	4	51% to 75%	3	2	2	3	0	0	2	0	3	1	16
AW-Aquatic	Null	Green Valley Crrek, Fairfield	306660.173	6248467.2	4	26% to 50%	3	2	2	3	0	0	2	0	3	1	16
AW-Aquatic	AW-Terrestrial	Green Valley Crrek, Fairfield	306562.526	6248312.1	14	51% to 75%	3	2	2	3	0	0	2	0	3	2	17
AW-Aquatic	AW-Terrestrial	Green Valley Crrek, Fairfield	306423.581	6248133.2	10	26% to 50%	3	2	2	3	0	0	2	0	3	2	17
AW-Aquatic	Null	Green Valley Crrek, Fairfield	306178.277	6247948.1	4	26% to 50%	3	2	2	3	0	0	2	0	3	2	17
AW-Aquatic	Null	Green Valley Crrek, Fairfield	305948.022	6247870.6	4	51% to 75%	3	2	2	3	0	0	2	0	3	1	16
AW-Aquatic	Null	Green Valley Crrek, Fairfield	305875.381	6247652.9	2	> 75%	3	2	2	3	0	0	2	0	3	1	16
AW-Aquatic	Null	Green Valley Crrek, Fairfield	305796.517	6247541.6	2	26% to 50%	3	2	2	3	0	0	2	0	3	1	16
AW-Aquatic	Null	Green Valley Crrek, Fairfield	305637.545	6247340.2	2	26% to 50%	3	2	2	3	0	0	2	0	3	1	16
AW-Aquatic	Null	Green Valley Crrek, Fairfield	305491.132	6247288.9	12	26% to 50%	3	2	2	3	0	0	2	0	3	2	17
AW-Aquatic	Null	Green Valley Crrek, Fairfield	305327.18	6247172.6	10	26% to 50%	3	2	2	3	0	0	2	0	3	2	17
AW-Aquatic	AW-Terrestrial	Green Valley Crrek, Fairfield	305287.126	6247127.6	40	51% to 75%	3	2	3	3	0	0	2	0	3	2	17
AW-Aquatic	Null	Orphan School Creek	308689.813	6249298.2	10	51% to 75%	3	2	3	3	0	0	3	0	3	3	20
AW-Terrestrial	AW-Aquatic	Liverpool Golf club, Fairfield	312321.2341	6246817.1	40	6% to 25 %	1	3	2	2	0	0	3	0	3	3	17
AW-Terrestrial	AW-Aquatic	Liverpool Golf Club, Fairfield	312309.16	6246812.8	40	6% to 25 %	1	3	2	2	0	0	3	0	3	3	17

Fairfield LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	AW-Terrestrial	Orphan School Creek	309137.125	6249036.4	25	51% to 75%	3	2	3	2	0	0	3	0	3	3	19
AW-Aquatic	AW-Terrestrial	Orphan School Creek	309459.25	6248863.3	12	51% to 75%	3	2	3	2	0	0	3	0	3	3	19
AW-Aquatic	Null	Orphan School Creek	310964.658	6248975.3	8	26% to 50%	3	2	3	2	0	0	2	0	3	3	18
AW-Aquatic	Null	Orphan School Creek	310681.847	6248886.8	12	26% to 50%	3	2	3	2	0	0	2	0	3	3	18
AW-Aquatic	Null	Orphan School Creek	310349.801	6248819.4	8	26% to 50%	3	2	3	2	0	0	2	0	3	3	18
AW-Aquatic	Null	Orphan School Creek	310142.938	6248663.3	20	51% to 75%	3	2	3	2	0	0	2	0	3	3	18
AW-Aquatic	Null	Orphan School Creek	309957.193	6248556.4	12	51% to 75%	3	2	3	2	0	0	2	0	3	3	18
AW-Aquatic	Null	Orphan School Creek	309706.823	6248733.7	8	26% to 50%	3	2	3	2	0	0	2	0	3	3	18
AW-Aquatic	AW-Terrestrial	Orphan School Creek	308969.209	6249137.6	16	51% to 75%	3	2	3	2	0	0	2	0	4	3	19
AW-Aquatic	AW-Terrestrial	Orphan School Creek	308859.479	6249167.2	14	51% to 75%	3	2	3	2	0	0	2	0	4	3	19
AW-Aquatic	Null	Prospect Creek	311151.87	6251628.4	10	6% to 25 %	3	2	2	2	0	0	3	0	4	4	20
AW-Aquatic	AW-Terrestrial	Prospect Creek	311003.846	6251825.8	16	6% to 25 %	3	2	2	2	0	0	3	0	4	4	20
AW-Aquatic	AW-Terrestrial	Prospect Creek	310715.51	6252127.8	20	26% to 50%	3	2	2	2	0	0	3	0	4	4	20
AW-Aquatic	AW-Terrestrial	Prospect Creek	310641.865	6252113.1	8	6% to 25 %	3	2	2	2	0	0	3	0	4	4	20
AW-Aquatic	AW-Terrestrial	Prospect Creek	310538.763	6252164.6	8	6% to 25 %	3	2	2	2	0	0	3	0	4	4	20
AW-Terrestrial	Null	Prospect Creek	310582.95	6252223.5	40	26% to 50%	3	2	2	2	0	0	3	0	4	4	20
AW-Terrestrial	AW-Terrestrial	Prospect Creek	310420.932	6252208.8	40	51% to 75%	3	2	2	2	0	0	3	0	4	4	20
AW-Aquatic	AW-Terrestrial	Prospect Creek	310199.998	6252142.5	6	6% to 25 %	3	2	2	2	0	0	3	0	4	4	20
AW-Aquatic	AW-Terrestrial	Prospect Creek	310060.074	6252149.9	4	6% to 25 %	3	2	2	2	0	0	3	0	4	4	20
AW-Terrestrial	Null	Prospect Creek	309885.478	6252462.1	10	51% to 75%	3	2	2	2	0	0	3	0	4	4	20
AW-Aquatic	AW-Terrestrial	Prospect Creek	309839.139	6252599.5	4	6% to 25 %	3	2	2	2	0	0	3	0	4	4	20
AW-Aquatic	AW-Terrestrial	Prospect Creek	309789.862	6252595	12	6% to 25 %	3	2	2	2	0	0	3	0	4	4	20
AW-Aquatic	AW-Terrestrial	Prospect Creek	309333.541	6252719.6	20	51% to 75%	3	2	2	2	0	0	3	0	4	4	20
AW-Aquatic	AW-Terrestrial	Prospect Creek	309370.615	6252682.5	10	6% to 25 %	3	2	2	2	0	0	3	0	4	4	20
AW-Aquatic	AW-Terrestrial	Prospect Creek	309259.393	6252867.9	30	6% to 25 %	3	2	2	2	0	0	3	0	4	4	20
AW-Aquatic	AW-Terrestrial	Prospect Creek	309222.319	6252942	40	> 75%	3	2	2	2	0	0	3	0	4	4	20
AW-Aquatic	AW-Terrestrial	Prospect Creek	311140.608	6249249.6	8	51% to 75%	3	2	3	2	0	0	3	0	3	3	19
AW-Aquatic	AW-Terrestrial	Prospect Creek	311399.5	6249336.7	20	51% to 75%	3	2	3	3	0	0	2	0	3	3	19
AW-Aquatic	Null	Prospect Creek	311297.969	6248610.8	16	26% to 50%	3	2	3	2	0	0	2	0	3	3	18
AW-Aquatic	Null	Prospect Creek	311292.242	6248298.5	12	26% to 50%	3	2	3	3	0	0	2	0	3	3	19
AW-Aquatic	AW-Terrestrial	Prospect Creek	311427.22	6248042.4	8	26% to 50%	3	2	3	3	0	0	3	0	3	3	20
AW-Aquatic	AW-Terrestrial	Prospect Creek	311544.538	6249729.2	10	26% to 50%	3	2	3	3	0	0	2	0	3	3	19
AW-Aquatic	AW-Terrestrial	Prospect Creek	311451.667	6249675.8	20	51% to 75%	3	2	3	3	0	0	2	0	3	3	19
AW-Aquatic	AW-Terrestrial	Prospect Creek	311434.882	6249962.8	12	26% to 50%	3	2	3	3	0	0	2	0	3	3	19

Fairfield LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	AW-Terrestrial	Prospect Creek	311356.137	6250078.2	16	26% to 50%	3	2	3	2	0	0	2	0	3	3	18
AW-Aquatic	Null	Prospect Creek	311344.947	6250269.5	20	51% to 75%	3	2	3	2	0	0	2	0	3	3	18
AW-Aquatic	AW-Terrestrial	Prospect Creek	309084.55	6253014.3	40	51% to 75%	3	2	3	2	0	0	4	0	3	3	20
AW-Aquatic	AW-Terrestrial	Prospect Creek	308942.09	6252988	40	51% to 75%	3	2	3	2	0	0	4	0	3	3	20
AW-Aquatic	AW-Terrestrial	Prospect Creek	308862.998	6253109.3	20	51% to 75%	3	2	3	2	0	0	4	0	3	3	20
AW-Aquatic	AW-Terrestrial	Prospect Creek	308714.248	6253190.7	25	51% to 75%	3	2	3	2	0	0	4	0	3	3	20
AW-Aquatic	AW-Terrestrial	Prospect Creek	311606.323	6249903.8	12	51% to 75%	3	3	3	2	0	0	2	0	3	3	19
AW-Aquatic	AW-Terrestrial	Prospect Creek, Mirambeena	312310.445	6247394.2	12	51% to 75%	3	2	2	2	0	0	3	0	4	4	20
AW-Aquatic	AW-Terrestrial	Prospect Creek, Mirambeena	312038.537	6247666.3	12	51% to 75%	3	2	2	2	0	0	3	0	4	4	20
AW-Aquatic	Null	Prospect Creek, Mirambeena	311826.8662	6248176.701	8	26% to 50%	3	2	2	0	1	1	1	0	4	2	16
AW-Aquatic	Null	Prospect Creek, Mirambeena	311826.384	6248184.943	10	26% to 50%	3	2	2	0	1	1	1	0	4	2	16
AW-Aquatic	AW-Terrestrial	Unnamed Creek, F EastUBD230	311744.406	6250004.9	25	51% to 75%	3	2	3	2	0	0	3	0	3	3	19
AW-Aquatic	AW-Terrestrial	Unnamed Creek, F EastUBD230	311984.975	6249995	16	51% to 75%	3	2	3	2	0	0	3	0	3	3	19
AW-Aquatic	Null	Unnamed Creek, Fairfield East	312839.5309	6249795.635	25	6% to 25 %	3	2	3	0	0	0	3	0	3	3	17
AW-Aquatic	Null	Unnamed Creek, Fairfield East	312961.4808	6249728.503	15	26% to 50%	3	2	3	0	0	0	3	0	3	3	17
AW-Aquatic	Null	Unnamed Creek, Fairfield East	312223.8883	6250051.487	50	51% to 75%	3	2	3	0	0	0	3	0	3	3	17
AW-Aquatic	Null	Unnamed Creek, Fairfield East	312279.9882	6250045.375	40	> 75%	3	2	3	0	0	0	3	0	3	3	17
AW-Aquatic	Null	Unnamed Creek, Fairfield East	312278.8315	6250038.771	40	> 75%	3	2	3	0	0	0	3	0	3	3	17
AW-Aquatic	Null	Unnamed Creek, Fairfield East	312291.3931	6250039.142	50	6% to 25 %	3	2	3	0	0	0	3	0	3	3	17

Hawkesbury LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	AW-Terrestrial	Eastern Creek	298856.5	6275225.9	40	6% to 25 %	3	3	3	2	0	3	2	0	2	3	21
AW-Aquatic	AW-Terrestrial	Eastern Creek	298985.81	6275135.1	40	6% to 25 %	3	3	3	2	0	3	2	0	2	3	21
AW-Aquatic	Null	Eastern Creek	299059.2	6275096.6	12	26% to 50%	3	3	3	2	0	3	2	0	2	3	21
AW-Aquatic	Null	Eastern Creek	299107.81	6274870.9	10	26% to 50%	3	3	3	2	0	3	2	0	2	3	21
AW-Aquatic	Null	Eastern Creek	299100.82	6274829	40	26% to 50%	3	3	3	2	0	3	2	0	2	3	21
AW-Aquatic	AW-Terrestrial	Eastern Creek	298623.78	6275200.3	12	6% to 25 %	3	3	3	2	0	3	2	0	2	3	21

Hawkesbury LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Hawkesbury-Nepean River	303997.1	6284544	10	6% to 25 %	4	4	0	0	4	1	0	1	2	4	20
AW-Aquatic	Null	Hawkesbury-Nepean River	303945.7	6285180	12	6% to 25 %	4	4	0	0	4	1	0	1	2	4	20
AW-Aquatic	Null	Hawkesbury-Nepean River	303925	6286576	4	6% to 25 %	4	4	0	0	4	1	0	1	2	4	20
AW-Aquatic	Senegal Tea	Hawkesbury-Nepean River	304004.3	6287011	30	6% to 25 %	4	4	0	0	4	1	0	1	2	4	20
AW-Aquatic	Null	Hawkesbury-Nepean River	305158.1	6288393	30	> 75%	4	4	0	0	4	1	0	1	2	4	20
AW-Aquatic	Null	Hawkesbury-Nepean River	304059	6285004	40	> 75%	4	4	0	0	4	1	0	1	2	4	20
AW-Aquatic	Null	Hawkesbury River	292793	6283713.9	30	6% to 25 %	4	4	2	0	2	3	0	1	2	4	22
AW-Aquatic	Null	Hawkesbury River	292893.93	6255797.7	40	51% to 75%	4	4	2	0	2	3	0	1	2	4	22
AW-Aquatic	Null	Hawkesbury River	289167.97	6281611.6	12	26% to 50%	4	3	2	0	2	3	0	1	2	4	21
AW-Aquatic	Null	Hawkesbury River	287298.61	6280003.1	12	26% to 50%	4	3	2	0	2	3	0	1	2	4	21
AW-Aquatic	Null	Hawkesbury River	299350.92	6281030.3	4	26% to 50%	4	3	2	0	2	3	0	1	2	4	21
AW-Aquatic	Null	Hawkesbury River	302640.05	6283909.3	8	26% to 50%	4	3	2	0	2	3	0	1	2	4	21
AW-Aquatic	Null	Hawkesbury River	303168.85	6283620	6	26% to 50%	4	3	2	0	2	3	0	1	2	4	21
AW-Aquatic	Ludwigia	Hawkesbury River	298225.72	6279849.2	12	6% to 25 %	4	3	1	0	4	2	1	1	2	3	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	298089.91	6279792.1	18	6% to 25 %	4	3	1	0	4	2	1	1	2	3	22
AW-Aquatic	Ludwigia	Hawkesbury River	297429.37	6279576.8	13	51% to 75%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Ludwigia	Hawkesbury River	297190.94	6279868.7	40	26% to 50%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Ludwigia	Hawkesbury River	297216.78	6279928.2	40	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	297246.46	6279991.8	40	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	297297.33	6280076.6	40	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	297271.9	6280046.9	40	51% to 75%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	AW-Terrestrial	Hawkesbury River	297301.57	6280140.2	20	6% to 25 %	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Ludwigia	Hawkesbury River	298089.75	6281176	13	6% to 25 %	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Ludwigia	Hawkesbury River	298026.16	6281294.7	10	6% to 25 %	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Ludwigia	Hawkesbury River	298133.95	6281996.7	16	26% to 50%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	AW-Terrestrial	Hawkesbury River	297559.79	6282044.9	50	6% to 25 %	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	297390.21	6281994	50	6% to 25 %	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	297318.14	6281981.3	65	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	297279.99	6281960.1	50	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	297216.4	6281938.9	40	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	297177.04	6281935.1	100	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	297138.88	6281969	140	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	297092.25	6281935.1	40	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	296931.15	6281922.4	20	26% to 50%	4	3	1	0	4	2	1	1	2	4	22

Hawkesbury LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Ludwigia	Hawkesbury River	296829.4	6281909.7	80	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	296787.01	6281896.9	35	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	296680.35	6281895.4	35	6% to 25 %	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	296684.59	6281959	30	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	296705.79	6281980.2	25	> 75%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	AW-Terrestrial	Hawkesbury River	296616.76	6281916.6	40	51% to 75%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Null	Hawkesbury River	296527.73	6281929.3	20	26% to 50%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	AW-Terrestrial	Hawkesbury River	296417.51	6281942	40	51% to 75%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Ludwigia	Hawkesbury River	296421.75	6281984.4	35	> 75%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	AW-Terrestrial	Hawkesbury River	298374.41	6279876.7	40	26% to 50%	4	3	2	0	4	2	1	1	2	3	22
AW-Aquatic	Null	Hawkesbury River	298394.41	6279869.2	30	51% to 75%	4	3	2	0	4	2	1	1	2	3	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	297060.88	6279960.9	20	26% to 50%	4	3	2	0	4	2	1	1	2	3	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	297044.21	6279969.2	20	6% to 25 %	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	297335.31	6280340.9	35	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	297805.64	6281103.1	25	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	297994.76	6281467.4	70	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	298041.85	6281561.8	20	51% to 75%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Null	Hawkesbury River	297996.49	6281880.8	15	51% to 75%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Ludwigia	Hawkesbury River	297653.04	6281925.8	10	6% to 25 %	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Senegal Tea	Hawkesbury River	297428.01	6281900.8	10	26% to 50%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Senegal Tea	Hawkesbury River	297236.32	6281859.1	15	26% to 50%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Null	Hawkesbury River	297091.35	6281839.4	12	26% to 50%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Senegal Tea	Hawkesbury River	296791.31	6281856.1	6	6% to 25 %	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Null	Hawkesbury River	296582.94	6281872.8	12	51% to 75%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Ludwigia	Hawkesbury River	296482.93	6281881.1	15	26% to 50%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	AW-Terrestrial	Hawkesbury River	297617.73	6281860.2	5	26% to 50%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Ludwigia	Hawkesbury River	296215.77	6281941	15	6% to 25 %	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Senegal Tea	Hawkesbury River	296057.41	6281974.3	15	6% to 25 %	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Null	Hawkesbury River	295824.04	6282057.6	12	26% to 50%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	AW-Terrestrial	Hawkesbury River	295248.96	6282361.8	40	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Senegal Tea	Hawkesbury River	295165.61	6282420.2	25	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	295082.26	6282470.2	90	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	296430.22	6282018.3	30	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Null	Hawkesbury River	295040.59	6282503.5	80	> 75%	4	3	1	0	4	2	1	1	2	4	22

Hawkesbury LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Senegal Tea	Hawkesbury River	294873.9	6282578.5	60	6% to 25 %	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Senegal Tea	Hawkesbury River	294840.56	6282636.9	80	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	294832.23	6282628.6	80	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	294773.88	6282661.9	100	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Senegal Tea	Hawkesbury River	294673.87	6282728.6	70	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	294632.2	6282761.9	80	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	294222.67	6283049.8	60	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	294130.99	6283124.8	80	6% to 25 %	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	293964.3	6283224.9	90	6% to 25 %	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	293897.62	6283291.5	50	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Senegal Tea	Hawkesbury River	293814.28	6283308.2	10	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	293705.93	6283399.9	50	6% to 25 %	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Senegal Tea	Hawkesbury River	293630.8	6283449	15	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	293380.76	6283515.6	30	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	296425.99	6281963.2	40	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	293347.42	6283540.6	60	6% to 25 %	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	293272.41	6283549	120	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	293230.74	6283607.3	100	26% to 50%	4	3	1	3	2	3	2	1	2	3	25
AW-Aquatic	Ludwigia	Hawkesbury River	293155.73	6283582.3	80	6% to 25 %	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	293072.38	6283624	30	6% to 25 %	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Null	Hawkesbury River	293101.32	6283689.8	50	6% to 25 %	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Null	Hawkesbury River	292951.82	6283669.5	70	6% to 25 %	4	3	1	2	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	293024.36	6283748.9	10	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Senegal Tea	Hawkesbury River	294573.85	6282803.6	80	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Senegal Tea	Hawkesbury River	294507.18	6282845.3	70	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Senegal Tea	Hawkesbury River	294447.71	6282908.1	30	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	294439.37	6282908.1	120	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	294356.03	6282966.5	140	26% to 50%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Senegal Tea	Hawkesbury River	293701.93	6283515	10	26% to 50%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Null	Hawkesbury River	294032.86	6283382.7	10	6% to 25 %	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Null	Hawkesbury River	294099.05	6283250.3	10	26% to 50%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	AW-Terrestrial	Hawkesbury River	294297.61	6283228.2	30	26% to 50%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	AW-Terrestrial	Hawkesbury River	294474.11	6283051.7	25	26% to 50%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	AW-Terrestrial	Hawkesbury River	294474.11	6283029.7	20	26% to 50%	4	3	1	0	4	2	1	1	2	3	21

Hawkesbury LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Ludwigia	Hawkesbury River	296396.31	6281963.2	50	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	294584.42	6282963.5	2	26% to 50%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	AW-Terrestrial	Hawkesbury River	294673.67	6282889.7	10	26% to 50%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	AW-Terrestrial	Hawkesbury River	294735.49	6282822.5	16	26% to 50%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Null	Hawkesbury River	295061.74	6282615.2	10	26% to 50%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Ludwigia	Hawkesbury River	295241.27	6282487.7	40	51% to 75%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Null	Hawkesbury River	295351.31	6282447.2	10	26% to 50%	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	Senegal Tea	Hawkesbury River	295374.47	6282406.7	20	6% to 25 %	4	3	1	0	4	2	1	1	2	3	21
AW-Aquatic	AW-Terrestrial	Hawkesbury River	295397.64	6282406.7	40	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Senegal Tea	Hawkesbury River	295420.8	6282377.7	30	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	295432.39	6282371.9	45	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	295461.34	6282337.2	80	6% to 25 %	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	295510.16	6282297.5	100	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	295568.07	6282239.6	80	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	295591.24	6282257	40	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	295631.78	6282239.6	80	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Null	Hawkesbury River	295637.57	6282233.8	30	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	295666.53	6282239.6	80	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	295660.74	6282274.4	30	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	295658.55	6282280.5	40	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial Water	Hawkesbury River	295698.77	6282217.4	80	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Hyacinth	Hawkesbury River	295734.28	6282237.9	50	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	295737.43	6282197.7	70	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	295751.63	6282176.4	40	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	295776.14	6282153.1	60	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	295854.32	6282121.2	40	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	295913.89	6282133.9	80	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	295939.33	6282142.4	80	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	295964.77	6282095.7	30	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	295981.73	6282129.6	40	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	295977.49	6282125.4	80	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Senegal Tea	Hawkesbury River	296032.6	6282129.6	60	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Null	Hawkesbury River	296028.36	6282087.2	80	> 75%	4	3	1	0	4	2	1	1	2	4	22

Hawkesbury LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	AW-Terrestrial	Hawkesbury River	296108.91	6282044.9	40	> 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	296206.42	6281989.7	40	6% to 25 %	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	296210.66	6281998.2	40	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	296257.29	6282019.4	30	26% to 50%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	296265.77	6282036.4	40	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Null	Hawkesbury River	296282.73	6282040.6	40	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	295994.44	6282125.4	120	51% to 75%	4	3	1	0	4	2	1	1	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	292642.7	6283734.7	10	26% to 50%	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	292265.32	6283707.2	30	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	292336.74	6283829.1	10	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	291973.16	6283718.3	6	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	291717.44	6283681	20	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	291677.43	6283790.8	10	26% to 50%	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	291550.46	6283660.1	12	26% to 50%	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	291443.25	6283575.4	16	26% to 50%	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	291215.71	6283438.9	30	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic		Hawkesbury River	290954	6283311.6	20	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	290690.99	6283206.6	20	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	290511.7	6283196.5	15	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	290552.85	6283075.3	10	26% to 50%	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	290341.54	6283076.8	12	26% to 50%	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	290394.3	6282909.1	12	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	290117.87	6282873.4	20	50% to 75%	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	290161.42	6282671.3	12	50% to 75%	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	290048.22	6282496.6	20	50% to 75%	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	289998.83	6282381.6	12	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	289817.28	6282225.3	8	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	289663.92	6281969.7	12	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	289535.01	6281872.5	20	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	288194.96	6281033.2	14	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	287838.49	6280751.5	12	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	288875.04	6281520.1	8	26% to 50%	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	288625.73	6281319.2	10	26% to 50%	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	288227.8	6281109.7	12	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22

Hawkesbury LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	AW-Terrestrial	Hawkesbury River	287665.65	6280517.8	10	26% to 50%	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	288446.42	6281196.9	20	26% to 50%	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	288017.8	6280873.8	12	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	287156.14	6279796.2	10	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	286920.57	6279672.2	20	26% to 50%	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	286976.06	6279476.8	12	26% to 50%	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	286812.87	6279246.6	10	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	286613.63	6279257.1	12	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	286627.68	6279015.1	20	6% to 25 %	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	286681.89	6278841.7	20	26% to 50%	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	286733.54	6278712.3	10	26% to 50%	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	286358.34	6278712.6	40	26% to 50%	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	286635.06	6278508	12	26% to 50%	4	4	3	1	3	4	1	0	2	4	22
AW-Aquatic	Null	Killarney Chain of Ponds	300363.37	6278065.5	35	51% to 75%	3	2	2	2	1	2	3	1	3	4	23
AW-Aquatic	Null	Killarney Chain of Ponds	300172.21	6277668.1	30	51% to 75%	3	2	2	2	1	2	3	1	3	4	23
AW-Aquatic	Null	Killarney Chain of Ponds	300615.43	6276993.2	25	26% to 50%	3	2	2	2	1	2	3	1	3	4	23
AW-Aquatic	Null	Killarney Chain of Ponds	300372.39	6276587	10	26% to 50%	3	2	2	2	1	2	3	1	3	4	23
AW-Aquatic	Null	Killarney Chain of Ponds	300427.48	6278078.7	40	26% to 50%	3	2	2	2	1	2	3	1	3	4	23
AW-Aquatic	Null	Killarney Chain of Ponds	300912.68	6277570.2	12	26% to 50%	3	2	2	2	1	2	3	1	3	4	23
AW-Aquatic	Null	Killarney Chain of Ponds	300649.67	6279134.6	16	26% to 50%	3	2	2	2	1	2	3	1	3	4	23
AW-Terrestrial	Null	Killarney Chain of Ponds	300456.6056	6278165.188	100	> 75%	3	2	2	1	1	1	1	0	3	4	18
AW-Aquatic	AW-Terrestrial	Killarney Ponds, properties	301536.58	6278422.4	25	26% to 50%	3	2	2	2	1	1	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Killarney Ponds, properties	303156.57	6277184.4	40	26% to 50%	3	2	2	2	1	1	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Killarney Ponds, properties	302322.76	6276974	20	26% to 50%	3	2	2	2	1	1	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Killarney Ponds, properties	302037.2	6277551.4	40	51% to 75%	3	2	2	2	1	1	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Killarney Ponds, properties	300517.86	6276437.1	40	51% to 75%	3	2	2	2	1	1	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Killarney Chain of Ponds	301993.88	6277716.7	2000	> 75%	3	2	2	1	1	1	1	0	3	4	18
AW-Terrestrial	AW-Aquatic	Killarney Chain of Ponds	301888.34	6277769.4	1000	26% to 50%	3	2	2	1	1	1	1	0	3	4	18
AW-Aquatic	AW-Terrestrial	Killarney Chain of Ponds	301895.4995	6277795.848	1000	> 75%	3	2	2	1	1	1	1	0	3	4	18
AW-Aquatic	AW-Terrestrial	Killarney Chain of Ponds	300434.2746	6276566.366	150	26% to 50%	3	2	2	1	1	1	1	0	3	4	18
AW-Aquatic	AW-Terrestrial	Killarney Chain of Ponds	300437.8808	6278174.423	150	> 75%	3	2	2	1	1	1	1	0	3	4	18
AW-Aquatic	AW-Terrestrial	Killarney Chain of Ponds	300438.8249	6278185.387	1500	> 75%	3	2	2	1	1	1	1	0	3	4	18
AW-Aquatic	AW-Terrestrial	McKenzies Creek	301433.66	6278534.9	40	51% to 75%	3	2	2	1	1	1	1	0	3	4	18
AW-Aquatic	AW-Terrestrial	McKenzies Creek Pond	301941.64	6278163.2	25	26% to 50%	3	2	2	1	1	1	1	0	3	4	18

Hawkesbury LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	AW-Terrestrial	McKenzies Creek Pond	301940.4	6278182.4	40	> 75%	3	2	2	1	1	1	1	0	3	4	18
AW-Aquatic	AW-Terrestrial	McKenzies Creek large pond	301974.97	6278240	1000	> 75%	3	2	2	1	1	1	1	0	3	4	18
AW-Aquatic	AW-Terrestrial	McKenzies Creek	300635.6101	6279210.073	1000	> 75%	3	2	2	1	1	1	1	0	3	4	18
AW-Aquatic	AW-Terrestrial	McKenzies Creek	300656.4797	6279208.393	40	> 75%	3	2	2	1	1	1	1	0	3	4	18
AW-Aquatic	Null	McKenzie Creek, UBD 87	303081.4527	6277868.757	20	51% to 75%	3	2	3	2	0	1	2	0	3	3	19
AW-Aquatic	Null	McKenzie Creek, UBD 87	302118.8817	6278522.579	30	6% to 25 %	3	2	3	2	0	1	2	0	3	3	19
AW-Aquatic	Null	McKenzie Creek, UBD 87	303129.47	6277650.9	25	26% to 50%	3	2	3	2	0	1	2	0	3	3	19
AW-Aquatic	Null	McKenzie Creek, UBD 87	303293.84	6277300.4	12	26% to 50%	3	2	3	2	0	1	2	0	3	3	19
AW-Aquatic	Null	McKenzie Creek, UBD 87	302682.45	6278218.9	10	6-25%	3	2	3	2	0	1	2	0	3	3	19
AW-Aquatic	Ludwigia	South Creek	298824.75	6279035	12	> 75%	4	2	2	2	0	0	2	0	2	2	16
AW-Aquatic	Ludwigia	South Creek	298290.53	6279304.3	30	26% to 50%	4	2	2	2	0	0	2	0	2	3	17
AW-Aquatic	Ludwigia	South Creek	298314.71	6279358.7	8	6% to 25 %	4	2	2	2	0	0	2	0	2	2	16
AW-Aquatic	Null	South Creek	299713.05	6279853.8	5	26% to 50%	4	2	2	2	0	0	2	0	2	2	16
AW-Aquatic	Null	South Creek	299555.35	6279983.6	5	26% to 50%	4	2	2	2	0	0	2	0	2	2	16
AW-Aquatic	Ludwigia	South Creek	299302.18	6280246	5	26% to 50%	4	2	2	2	0	0	2	0	2	2	16
AW-Aquatic	Ludwigia	South Creek	298651.63	6279022.2	8	26% to 50%	4	2	2	2	0	0	2	0	2	2	16
AW-Aquatic	Ludwigia	South Creek	298227.74	6279318	16	26% to 50%	4	2	2	2	0	0	2	0	2	2	16
AW-Aquatic	AW-Terrestrial	South Creek	298166.05	6278563.1	30	> 75%	4	2	2	2	0	0	2	0	2	3	17
AW-Aquatic	Ludwigia	South Creek	298146.81	6278518.2	5	6% to 25 %	4	2	2	2	0	0	2	0	2	2	16
AW-Aquatic	AW-Terrestrial	South Creek	298471.68	6274985.1	40	> 75%	4	2	2	2	0	0	2	0	2	3	17
AW-Aquatic	Null	South Creek	298504.76	6274800.4	30	> 75%	4	2	2	2	0	0	2	0	2	3	17
AW-Aquatic	Null	South Creek	298548.06	6273853.7	40	> 75%	4	2	2	2	0	0	2	0	2	3	17
AW-Aquatic	Null	South Creek	298773.3	6274344.7	40	> 75%	4	2	2	2	0	0	2	0	2	3	17
AW-Aquatic	Null	South Creek	298824.85	6274379.1	30	> 75%	4	2	2	2	0	0	2	0	2	3	17
AW-Aquatic	AW-Terrestrial	Yarramundi Lagoon	286354.51	6276961.3	80	26% to 50%	4	2	2	1	2	2	1	0	4	3	21
AW-Aquatic	AW-Terrestrial	Yarramundi Lagoon	287208.72	6278419.3	120	26% to 50%	4	2	2	1	2	2	1	0	4	3	21
AW-Aquatic	AW-Terrestrial	Yarramundi Lagoon	288578.3	6279821.8	80	26% to 50%	4	2	2	1	2	2	1	0	4	3	21
AW-Aquatic	AW-Terrestrial	Yarramundi Lagoon	293041.47	6283068.1	40	26% to 50%	4	2	2	1	2	2	1	0	4	3	21
AW-Aquatic	AW-Terrestrial	Yarramundi Lagoon	292356.05	6283113.7	80	26% to 50%	4	2	2	1	2	2	1	0	4	3	21
AW-Aquatic	AW-Terrestrial	Yarramundi Lagoon	291046.3	6281416	100	26% to 50%	4	2	2	1	2	2	1	0	4	3	21
AW-Aquatic	AW-Terrestrial	Yarramundi Lagoon	291614.59	6281918.5	40	26% to 50%	4	2	2	1	2	2	1	0	4	3	21
AW-Aquatic	AW-Terrestrial	Yarramundi Lagoon	293414.1	6283115.6	40	26% to 50%	4	3	2	0	4	2	1	1	2	4	22

Holroyd LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Cnr Junction Street, Harris Park	315299.0005	6255484.045	8	26% to 50%	3	3	3	2	0	0	2	0	3	3	19
AW-Aquatic	AW-Terrestrial	Junction Street, Harris Park	315147.6555	6255257.028	25	51% to 75%	3	3	4	3	0	0	2	0	2	3	20
AW-Aquatic	AW-Terrestrial	Cnr Junction Street, Harris Park	315071.9829	6255408.373	25	51% to 75%	3	3	3	2	0	0	2	0	3	3	19
AW-Aquatic	Null	Cnr Junction Street, Harris Park	315299.0005	6255257.028	12	26% to 50%	3	3	3	2	0	0	2	0	3	3	19
AW-Aquatic	Null	Cnr Junction Street, Harris Park	315374.6731	6255257.028	6	26% to 50%	3	3	3	2	0	0	2	0	3	3	19
AW-Aquatic	AW-Terrestrial	Pendle Hill Creek	310644.4548	6258327.369	15	6% to 25 %	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	Null	Pendle Hill Creek	310332.2373	6257560.333	8	6% to 25 %	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	AW-Terrestrial	Pendle Hill Creek	310305.3201	6257458.646	10	6% to 25 %	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	Null	Pendle Hill Creek	310293.3569	6257422.756	20	26% to 50%	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	Null	Pendle Hill Creek	310454.8602	6257745.763	12	26% to 50%	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	Null	Pendle Hill Creek	310041.0066	6256895.981	10	26% to 50%	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	Null	Pendle Hill Creek	310058.9514	6256943.834	10	26% to 50%	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	AW-Terrestrial	Pendle Hill Creek	310091.8502	6257024.585	25	26% to 50%	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	Null	Pendle Hill Creek	310118.7675	6257057.484	6	26% to 50%	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	Null	Pendle Hill Creek	310115.8407	6257120.693	5	26% to 50%	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	AW-Terrestrial	Pendle Hill Creek	310136.7763	6257153.592	10	51% to 75%	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	Null	Pendle Hill Creek	310160.7027	6257216.399	12	6% to 25 %	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	Null	Pendle Hill Creek	310181.6383	6257282.196	20	26% to 50%	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	Null	Pendle Hill Creek	310172.4515	6257253.168	6	26% to 50%	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	AW-Terrestrial	Pendle Hill Creek	310203.6057	6257340.47	18	26% to 50%	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	Null	Pendle Hill Creek	310246.9899	6257383.855	10	26% to 50%	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	Null	Pendle Hill Creek	310023.8713	6256819.86	10	6% to 25 %	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	Null	Pendle Hill Creek	309986.6849	6256720.697	4	26% to 50%	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	Null	Pendle Hill Creek	309807.5614	6256567.543	4	26% to 50%	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	Null	Pendle Hill Creek	310551.59	6259719.4	6	51% to 75%	3	3	2	1	0	0	2	0	3	3	17
AW-Aquatic	Null	Pendle Hill Creek	310518.13	6259251.7	4	51% to 75%	3	3	2	1	0	0	2	0	3	3	17

Lane Cove LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Macquarie University	327218.6379	6259738.2	2	26% to 50%	0	2	2	0	0	1	1	0	4	2	12
AW-Aquatic	Null	Macquarie University	324289.1638	6261808.8	10	6% to 25 %	1	3	3	2	0	0	0	3	4	3	18
AW-Aquatic	Null	Lanecove River	328482.01	6259376.5	2	26% to 50%	3	2	2	0	1	1	1	0	4	2	16

Liverpool LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	308027.7271	6240199.467	8	> 75%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	Null	Anzac Creek, Moorebank	309791.2371	6242777.536	40	26% to 50%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	309750.1796	6242880.18	45	6% to 25 %	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	309773.641	6242707.152	50	26% to 50%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	309758.9776	6242645.565	40	51% to 75%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	309770.7083	6242607.44	40	51% to 75%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	309808.3282	6242513.495	40	> 75%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	309771.4535	6242952.229	35	51% to 75%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	309771.4534	6243032.604	75	51% to 75%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	309800.6808	6243167.781	12	51% to 75%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	309837.2151	6243218.929	60	6% to 25 %	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	309793.374	6243343.145	40	51% to 75%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	309829.9082	6243306.611	40	51% to 75%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	309803.832	6243428.213	40	51% to 75%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	309825.7525	6243596.27	4	6% to 25 %	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	309818.4457	6243669.339	10	26% to 50%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	309781.9114	6243720.487	40	51% to 75%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	307671.5169	6240172.145	4	26% to 50%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	307449.7914	6240063.099	30	51% to 75%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	308185.3108	6240214.267	30	51% to 75%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	308352.1187	6240236.051	4	51% to 75%	3	4	3	4	0	0	2	0	2	4	22

Liverpool LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range	
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	307801.7296	6240203.79	8	51% to 75%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	307911.5188	6240174.207	10	26% to 50%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	Null	Anzac Creek, Moorebank	308517.5237	6240281.764	12	26% to 50%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	AW-Terrestrial	Anzac Creek, Moorebank	308632.9649	6240360.566	12	51% to 75%	3	4	3	4	0	0	2	0	2	4	22
AW-Aquatic	Null	Badgerys Creek	292333.4578	6249558.826	40	> 75%	3	2	2	2	0	1	3	0	4	3	20
AW-Aquatic	Ludwigia	Benedict Earth Moving; Paine Park	311792.5419	6243866.26	3000	> 75%	0	3	4	0	0	2	3	0	4	4	20
AW-Aquatic	Null	Benedict Earth Moving; Paine Park	311821.4709	6243869.88	40	> 75%	0	3	4	0	0	2	3	0	4	4	20
AW-Aquatic	AW-Terrestrial	Bents Basin, Wallacia	281146.424	6242900.482	40	6% to 25 %	4	2	2	2	0	1	2	0	4	4	21
AW-Aquatic	AW-Terrestrial	Bents Basin, Wallacia	281163.8185	6242977.205	40	6% to 25 %	4	2	2	2	0	1	2	0	4	4	21
AW-Aquatic	Null	Bents Basin, Wallacia	281063.415	6243023.389	50	51% to 75%	4	2	2	2	0	1	2	0	4	4	21
AW-Aquatic	AW-Terrestrial	Bonds Creek, Fourth Ave, Liverpool	297121.0817	6244195.466	30	> 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Bonds Creek, Fourth Ave, Liverpool	296539.2229	6244700.116	40	> 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Bonds Creek, Fourth Ave, Liverpool	296438.8716	6244606.686	35	> 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	Null	Bonds Creek, Fourth Ave, Liverpool	296225.8925	6244683.901	40	51% to 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Bonds Creek, Liverpool	297939.6883	6241484.844	30	> 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Bonds Creek, Liverpool	297941.5558	6241404.539	40	> 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Bonds Creek, Liverpool	297937.8208	6241451.228	10	26% to 50%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Bonds Creek, Liverpool	297072.4193	6241560.394	30	> 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Bonds Creek, Liverpool	297072.4193	6241543.586	25	> 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Bonds Creek, Liverpool	297070.5518	6241625.757	35	51% to 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Bonds Creek, Liverpool	297074.2869	6241579.069	25	> 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Bonds Creek, Liverpool	297007.2742	6241969.173	40	> 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Bonds Creek, Liverpool	297042.8841	6242076.003	40	> 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	Null	Bonds Creek, Liverpool	297068.3944	6242070.329	35	> 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	Null	Bonds Creek, Liverpool	297111.6492	6242056.488	25	51% to 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Bonds Creek, Liverpool	297321.145	6242242.35	35	> 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Bonds Creek, Liverpool	297308.6159	6242474.017	50	> 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Bonds Creek, Liverpool	297265.361	6242581.289	30	> 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	Null	Bonds Creek, Liverpool	297620.2854	6241925.114	60	> 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Bonds Creek, Liverpool	297733.2913	6241806.143	80	> 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Bonds Creek, Liverpool	297152.3326	6242751.003	60	> 75%	3	2	2	4	0	0	2	0	2	4	19
AW-Aquatic	AW-Terrestrial	Bonds Creek, Liverpool	297038.1397	6242918.832	40	26% to 50%	3	2	2	4	0	0	2	0	2	4	19

Liverpool LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range	
AW-Aquatic	AW-Terrestrial	Bonds Creek, Liverpool	297098.6965	6242828.862	70	> 75%	3	2	2	4	0	0	2	0	2	4	19	
AW-Aquatic	AW-Terrestrial	Bonds Creek, Tenth Ave, Liverpool	296952.8126	6243163.848	40	> 75%	3	2	2	4	0	0	2	0	2	4	19	
AW-Aquatic	AW-Terrestrial	Bonds Creek, Tenth Ave, Liverpool	296933.7805	6243250.357	15	51% to 75%	3	2	2	4	0	0	2	0	2	4	19	
AW-Aquatic	AW-Terrestrial	Bonds Creek, Tenth Ave, Liverpool	296382.4801	6243953.175	40	> 75%	3	2	2	4	0	0	2	0	2	4	19	
AW-Aquatic	AW-Terrestrial	Bonds Creek, Tenth Ave, Liverpool	296348.2145	6244247.645	30	> 75%	3	2	2	4	0	0	2	0	2	4	19	
AW-Aquatic	AW-Terrestrial	Bonds Creek, Tenth Ave, Liverpool	296315.5268	6244303.809	40	> 75%	3	2	2	4	0	0	2	0	2	4	19	
AW-Aquatic	Null	Bonds Creek, Tenth Ave, Liverpool	296270.5417	6244348.794	100	> 75%	3	2	2	4	0	0	2	0	2	4	19	
AW-Aquatic	AW-Terrestrial	Bonds Creek, Tenth Ave, Liverpool	296268.8116	6244409.351	10	6% to 25 %	3	2	2	4	0	0	2	0	2	4	19	
AW-Aquatic	AW-Terrestrial	Bonds Creek, Tenth Ave, Liverpool	296210.9771	6244508.398	40	> 75%	3	2	2	4	0	0	2	0	2	4	19	
AW-Aquatic	AW-Terrestrial	Bonds Creek, Tenth Ave, Liverpool	296195.4054	6244539.541	30	> 75%	3	2	2	4	0	0	2	0	2	4	19	
AW-Aquatic	Null	Bonds Creek, Tenth Ave, Liverpool	296186.4508	6244571.893	40	> 75%	3	2	2	4	0	0	2	0	2	4	19	
AW-Aquatic	AW-Terrestrial	Bonds Creek, Tenth Ave, Liverpool	296233.1661	6244443.858	60	> 75%	3	2	2	4	0	0	2	0	2	4	19	
AW-Aquatic	AW-Terrestrial	Brickmakers Creek	308716.0849	6246205.935	80	> 75%	3	2	2	2	0	0	2	0	2	4	17	
AW-Aquatic	AW-Terrestrial	Brickmakers Creek	308669.3964	6246123.763	80	> 75%	3	2	2	2	0	0	2	0	2	4	17	
AW-Aquatic	AW-Terrestrial	Brickmakers Creek	308684.3367	6246140.571	35	> 75%	3	2	2	2	0	0	2	0	2	4	17	
AW-Aquatic	Null	Brickmakers Creek	308619.8807	6246073.928	35	> 75%	3	2	2	2	0	0	2	0	2	4	17	
AW-Aquatic	AW-Terrestrial	Brickmakers Creek	308618.0131	6245988.021	80	> 75%	3	2	2	2	0	0	2	0	2	4	17	
AW-Aquatic	AW-Terrestrial	Brickmakers Creek	308655.4821	6245944.583	70	> 75%	3	2	2	2	0	0	2	0	2	4	17	
AW-Aquatic	AW-Terrestrial	Brickmakers Creek	308711.5082	6245868.014	50	51% to 75%	3	2	2	2	0	0	2	0	2	4	17	
AW-Aquatic	AW-Terrestrial	Brickmakers Creek	308625.1951	6245801.413	40	> 75%	3	2	2	2	0	0	2	0	2	4	17	
AW-Aquatic	Null	Brickmakers Creek, Liverpool	306803.7811	6243848.562	12	> 75%	3	2	3	2	0	0	2	0	2	3	17	
AW-Aquatic	Null	Brickmakers Creek, Liverpool	306915.7251	6243987.186	12	51% to 75%	3	2	3	2	0	0	2	0	2	3	17	
AW-Aquatic	AW-Terrestrial	Brickmakers Creek, Liverpool	307395.2487	6244819.679	25	51% to 75%	3	2	3	2	0	0	2	0	2	4	17	
AW-Aquatic	AW-Terrestrial	Brickmakers Creek, Liverpool	307423.4379	6244953.397	40	51% to 75%	3	2	3	2	0	0	2	0	2	4	17	
AW-Aquatic	Null	Brickmakers Creek, Liverpool	307482.619	6245172.972	35	51% to 75%	3	2	3	2	0	0	2	0	2	4	17	
AW-Aquatic	AW-Terrestrial	Brickmakers Creek, Liverpool	307581.1983	6245334.823	40	51% to 75%	3	2	3	2	0	0	2	0	2	4	17	
AW-Aquatic	AW-Terrestrial	Brickmakers Creek, Liverpool	307770.5379	6245381.926	25	51% to 75%	3	2	3	2	0	0	2	0	2	4	17	
AW-Aquatic	Null	Brickmakers Creek, Liverpool	307886.6859	6245448.755	20	51% to 75%	3	2	3	2	0	0	2	0	2	4	17	
AW-Aquatic	AW-Terrestrial	Brickmakers Creek, Liverpool	308143.612	6245571.85	35	> 75%	3	2	3	2	0	0	2	0	2	4	17	
AW-Aquatic	Null	Brickmakers Creek, Liverpool	308285.7908	6245604.186	20	> 75%	3	2	3	2	0	0	2	0	2	4	17	
AW-Aquatic	AW-Terrestrial	Brickmakers Creek, Liverpool	308552.5794	6245763.875	12	51% to 75%	3	2	3	2	0	0	2	0	2	4	17	
AW-Aquatic	AW-Terrestrial	Brickmakers Creek, Liverpool	306686.8176	6243778.974	8	51% to 75%	3	2	3	2	0	0	2	0	2	4	17	

Liverpool LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range	
AW-Aquatic	Null	Brickmakers Creek, Liverpool	306971.2189	6244109.513	20	26% to 50%	3	2	3	2	0	0	2	0	2	4	17
AW-Aquatic	Null	Brickmakers Creek, Liverpool	306889.2668	6243952.835	12	26% to 50%	3	2	3	2	0	0	2	0	2	4	17
AW-Aquatic	AW-Terrestrial	Brickmakers Creek	306374.7699	6243396.823	40	6% to 25 %	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306350.7368	6243372.685	20	26% to 50%	2	2	1	0	0	0	1	0	4	3	13
AW-Terrestrial	AW-Aquatic	Brickmakers Creek	306348.5916	6243361.821	40	6% to 25 %	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306321.2101	6243357.493	40	> 75%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306308.322	6243354.163	40	> 75%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306244.1022	6243328.05	20	26% to 50%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306410.0719	6243451.395	40	51% to 75%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306509.2493	6243668.792	40	26% to 50%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306563.844	6243704.348	40	6% to 25 %	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306181.4646	6243090.974	40	> 75%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306177.0724	6243126.56	40	> 75%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306188.7931	6243170.723	40	> 75%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306172.3525	6243070.111	40	> 75%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306162.3948	6242996.419	40	26% to 50%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306384.5133	6243417.041	10	51% to 75%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306260.6179	6243339.117	40	> 75%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306213.8358	6243291.748	40	6% to 25 %	2	2	1	0	0	0	1	0	4	3	13
AW-Terrestrial	AW-Aquatic	Brickmakers Creek	306333.3497	6243343.383	3	6% to 25 %	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306438.3622	6243484.99	20	51% to 75%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306457.8633	6243523.027	3	> 75%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306463.6971	6243550.735	30	6% to 25 %	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306467.1315	6243584.198	40	26% to 50%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306468.6597	6243606.629	50	> 75%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306493.8253	6243652.792	40	> 75%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306585.0941	6243713.926	60	26% to 50%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306183.0292	6243222.517	40	6% to 25 %	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306201.4219	6243248.173	40	> 75%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306166.3683	6243038.089	40	> 75%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306115.7947	6242872.231	25	26% to 50%	2	2	1	0	0	0	1	0	4	3	13
AW-Aquatic	Null	Brickmakers Creek	306085.2981	6242843.845	10	6% to 25 %	2	2	1	0	0	0	1	0	4	3	13

Liverpool LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range	
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	308994.1973	6246368.812	30	> 75%	3	2	2	3	0	0	2	0	3	4	19	
AW-Aquatic	AW-Terrestrial	Cabramatta Creek	308977.3894	6246342.666	60	> 75%	3	2	2	3	0	0	2	0	3	4	19	
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	306521.2589	6245392.832	70	51% to 75%	3	2	3	3	0	0	2	0	3	4	20	
AW-Aquatic	Null	Cabramatta Creek, Liverpool	306530.4223	6245441.393	40	51% to 75%	3	2	3	3	0	0	2	0	3	4	20	
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	306381.8787	6245312.635	25	51% to 75%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	Null	Cabramatta Creek, Liverpool	306217.1666	6245254.966	8	51% to 75%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	306199.5406	6245145.878	10	> 75%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	306255.1076	6245017.062	20	51% to 75%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	Null	Cabramatta Creek, Liverpool	306249.3918	6244704.563	8	51% to 75%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	306050.8857	6244608.895	40	26% to 50%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	305926.2731	6244481.535	50	51% to 75%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	306690.2885	6245786.927	15	51% to 75%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	Null	Cabramatta Creek, Liverpool	305796.7561	6244437.932	10	51% to 75%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	305520.8515	6244433.783	50	26% to 50%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	305330.8059	6244398.642	70	51% to 75%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	Null	Cabramatta Creek, Liverpool	305159.7863	6244448.66	25	51% to 75%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	304704.3963	6244434.001	25	> 75%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	Null	Cabramatta Creek, Liverpool	304303.1718	6244314.455	10	> 75%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	Null	Cabramatta Creek, Liverpool	304030.0102	6244058.325	6	51% to 75%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	303661.8768	6243988.741	80	26% to 50%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	Null	Cabramatta Creek, Liverpool	303383.8086	6243816.369	70	51% to 75%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	Null	Cabramatta Creek, Liverpool	303179.6368	6243612.302	30	51% to 75%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	Null	Cabramatta Creek, Liverpool	302865.67	6243437.825	10	> 75%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	302538.3866	6243490.699	60	51% to 75%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	302339.1709	6243406.989	8	26% to 50%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	301848.4126	6242765.887	12	51% to 75%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	301532.2403	6242219.053	25	51% to 75%	3	2	2	3		0	2	0	3	4	19	
AW-Aquatic	Null	Cabramatta Creek, Liverpool	301280.8088	6241591.957	20	26% to 50%	3	2	2	3		0	2	0	3	3	19	
AW-Aquatic	Null	Cabramatta Creek, Liverpool	300700.9593	6238988.422	20	26% to 50%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	301246.4079	6241974.172	40	51% to 75%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	Null	Cabramatta Creek, Liverpool	299923.0746	6238534.563	12	51% to 75%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	Null	Cabramatta Creek, Liverpool	300077.2333	6238567.617	20	51% to 75%	3	2	2	3		0	2	0	3	3	18	

Liverpool LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	302200.4339	6243110.696	25	> 75%	3	2	2	3		0	2	0	3	3	18
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	301244.1163	6241193.57	35	> 75%	3	2	2	3		0	2	0	3	3	18
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	301179.3316	6241069.702	40	51% to 75%	3	2	2	3		0	2	0	3	3	18
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	301360.4605	6242076.911	12	> 75%	3	2	2	3		0	2	0	3	3	18
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	308073.9234	6245531.753	10	51% to 75%	3	2	2	3		0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Liverpool	308188.6702	6245622.512	12	51% to 75%	3	2	2	3		0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Warick Farm	308777.2511	6246370.296	30	> 75%	3	2	2	3		0	2	0	3	4	19
AW-Aquatic	Null	Cabramatta Creek, Warick Farm	308816.4693	6246368.429	40	> 75%	3	2	2	3		0	2	0	3	4	19
AW-Aquatic	Null	Cabramatta Creek, Warick Farm	308883.7007	6246368.429	80	> 75%	3	2	2	3		0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Warick Farm	308934.1242	6246392.707	80	> 75%	3	2	2	3		0	2	0	3	4	19
AW-Aquatic	Null	Cabramatta Creek, Warick Farm	309022.7255	6246493.426	80	> 75%	3	2	2	3		0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Warick Farm	309067.5464	6246502.764	80	> 75%	3	2	2	3		0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Warick Farm	309181.1371	6246527.943	60	> 75%	3	2	2	3		0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Warick Farm	309171.7994	6246481.254	100	51% to 75%	3	2	2	3		0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Warick Farm	309181.1371	6246623.187	60	> 75%	3	2	2	3		0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Warick Farm	309266.0468	6246635.364	60	> 75%	3	2	2	3		0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Warick Farm	309410.9813	6246582.477	35	> 75%	3	2	2	3		0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Warick Farm	309712.5043	6246580.981	40	26% to 50%	3	2	2	3		0	2	0	3	4	19
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Warick Farm	309724.7021	6246462.025	20	51% to 75%	3	2	2	3		0	2	0	3	3	18
AW-Aquatic	Null	Cabramatta Creek, Warick Farm	309672.4111	6246598.355	35	51% to 75%	3	2	2	3		0	2	0	3	3	18
AW-Aquatic	Null	Cabramatta Creek, Warick Farm	309766.7009	6246467.904	10	51% to 75%	3	2	2	3		0	2	0	3	3	18
AW-Aquatic	AW-Terrestrial	Cabramatta Creek, Warick Farm	309852.4544	6246526.234	10	26% to 50%	3	2	2	3		0	2	0	3	3	18
AW-Terrestrial	AW-Aquatic	Chipping Norton Lake Parklands	312192.2699	6245477.86	60	6% to 25 %	4	2	3	3	0	0	1	0	2	4	19
AW-Terrestrial	AW-Aquatic	Chipping Norton Lake Parklands	312261.0932	6245460.767	40	6% to 25 %	4	2	3	3	0	0	1	0	2	4	19
AW-Terrestrial	AW-Aquatic	Chipping Norton Lake Parklands	312349.6229	6245471.659	40	6% to 25 %	4	2	3	3	0	0	1	0	2	4	19
AW-Terrestrial	AW-Aquatic	Chipping Norton Lake Parklands	312378.6375	6245469.045	40	6% to 25 %	4	2	3	3	0	0	1	0	2	4	19
AW-Terrestrial	AW-Aquatic	Chipping Norton Lake Parklands	312375.4668	6245456.356	50	6% to 25 %	4	2	3	3	0	0	1	0	2	4	19
AW-Aquatic	AW-Terrestrial	Chipping Norton Lake Parklands	312482.1123	6245433.739	2000	> 75%	4	2	3	3	0	0	1	0	2	4	19
AW-Terrestrial	Null	Chipping Norton Lake Parklands	312490.0279	6245440.545	100	26% to 50%	4	2	3	3	0	0	1	0	2	4	19
AW-Aquatic	Null	Chipping Norton Lake Parklands	312519.2423	6245433.244	40	> 75%	4	2	3	3	0	0	1	0	3	4	19
AW-Aquatic	Null	Chipping Norton Lake Parklands	312548.5429	6245431.133	40	> 75%	4	2	3	3	0	0	1	0	2	4	19
AW-Aquatic	Null	Chipping Norton Lake Parklands	312566.8507	6245430.753	40	> 75%	4	2	3	3	0	0	1	0	2	4	19

Liverpool LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range	
AW-Aquatic	Null	Chipping Norton Lake Parklands	312595.8864	6245435.947	40	6% to 25 %	4	2	3	3	0	0	1	0	2	4	19	
AW-Aquatic	Null	Chipping Norton Lake Parklands	312646.615	6245442.772	40	6% to 25 %	4	2	3	3	0	0	1	0	2	4	19	
AW-Terrestrial	AW-Aquatic	Chipping Norton Lake Parklands	312663.435	6245532.786	40	6% to 25 %	4	2	3	3	0	0	1	0	2	4	19	
AW-Terrestrial	AW-Aquatic	Chipping Norton Lake Parklands	312620.9477	6245489.147	40	6% to 25 %	4	2	3	3	0	0	1	0	2	4	19	
AW-Terrestrial	AW-Aquatic	Chipping Norton Lake Parklands	312510.0247	6245479.993	40	6% to 25 %	4	2	3	3	0	0	1	0	2	4	19	
AW-Terrestrial	AW-Aquatic	Chipping Norton Lake Parklands	312399.2329	6245472.205	40	6% to 25 %	4	2	3	3	0	0	1	0	2	4	19	
AW-Aquatic	Null	Chipping Norton Lake Parklands	312441.649	6245427.141	40	6% to 25 %	4	2	3	3	0	0	1	0	2	4	19	
AW-Aquatic	Null	Chipping Norton Lake Parklands	312401.4516	6245420.268	40	> 75%	4	2	3	3	0	0	1	0	2	4	19	
AW-Aquatic	Null	Chipping Norton Lake Parklands	312379.0461	6245420.797	200	> 75%	4	2	3	3	0	0	1	0	2	4	19	
AW-Aquatic	Null	Chipping Norton Lake Parklands	312335.74	6245416.92	40	6% to 25 %	4	2	3	3	0	0	1	0	2	4	19	
AW-Aquatic	Null	Chipping Norton Lake Parklands	312296.4772	6245414.453	40	6% to 25 %	4	2	3	3	0	0	1	0	2	4	19	
AW-Aquatic	Null	Chipping Norton Lake Parklands	312265.1834	6245412.485	40	6% to 25 %	4	2	3	3	0	0	1	0	2	4	19	
AW-Aquatic	Null	Chipping Norton Lake Parklands	312234.9079	6245412.317	40	6% to 25 %	4	2	3	3	0	0	1	0	2	4	19	
AW-Aquatic	AW-Terrestrial	Chipping Norton Lake Island	310915.4996	6246791.921	300	51% to 75%	3	2	2	2		0	2	0	3	4	20	
AW-Aquatic	AW-Terrestrial	Clinches Pond, Moorebank	309018.2362	6243116.695	20	51% to 75%	3	2	2	2		0	2	0	3	3	17	
AW-Terrestrial	Null	Clinches Pond, Moorebank	308949.8119	6243133.29	8	6% to 25 %	3	2	2	2		0	2	0	3	3	17	
AW-Aquatic	AW-Terrestrial	Clinches Pond, Moorebank	309024.9445	6243259.942	10	26% to 50%	3	2	2	2		0	2	0	3	3	17	
AW-Aquatic	AW-Terrestrial	Clinches Pond, Moorebank	309085.0505	6243144.023	40	> 75%	3	2	2	2		0	2	0	3	3	17	
AW-Aquatic	AW-Terrestrial	Clinches Pond, Moorebank	309110.8102	6243101.09	12	26% to 50%	3	2	2	2		0	2	0	3	3	17	
AW-Aquatic	AW-Terrestrial	Dwyer Road, 16, Bringelly, LCC	287789.0441	6244121.046	15	6-25%	2	2	2	2	0	1	3	1	3	2	20	
AW-Aquatic	Salvinia	Dwyer Road-Badgerys Creek	287846.2818	6244427.93	40	26% to 50%	3	2	2	2	0	1	2	0	4	4	20	
AW-Aquatic	Salvinia	Dwyer Road-Badgerys Creek	287827.2339	6244405.423	200	> 75%	3	2	2	2	0	1	2	0	4	4	20	
AW-Aquatic	Null	Dwyer Road-Badgerys Creek	287840.0347	6244438.366	200	> 75%	3	2	2	2	0	1	2	0	4	4	20	
AW-Aquatic	AW-Terrestrial	Edmondson Av, Liverpool	297596.2268	6242814.704	12	> 75%	3	2	2	2		0	2	0	3	2	16	
AW-Terrestrial	Null	Harris Creek, Hammondville	311781.4514	6241044.38	20	6% to 25 %	3	3	2	2		0	2	0	2	3	17	
AW-Terrestrial	Null	Harris Creek, Hammondville	311807.2112	6241016.474	10	6% to 25 %	3	3	2	2		0	2	0	2	2	16	
AW-Aquatic	AW-Terrestrial	Harris Creek, Hammondville	312344.5183	6241112.844	6	6% to 25 %	3	3	2	2		0	2	0	2	2	16	
AW-Aquatic	AW-Terrestrial	Harris Creek, Hammondville	311479.8359	6241134.749	10	51% to 75%	3	3	2	2		0	2	0	2	3	17	
AW-Aquatic	AW-Terrestrial	Harris Creek, Hammondville	311460.5161	6241173.389	40	> 75%	3	3	2	2		0	2	0	2	3	17	
AW-Aquatic	AW-Terrestrial	Harris Creek, Hammondville	311533.8467	6240742.253	40	26% to 50%	3	3	2	2		0	2	0	2	3	17	
AW-Aquatic	AW-Terrestrial	Harris Creek, Hammondville	311518.8202	6240682.147	25	51% to 75%	3	3	2	2		0	2	0	2	3	17	
AW-Aquatic	AW-Terrestrial	Harris Creek, Hammondville	311548.8732	6240705.76	35	51% to 75%	3	3	2	2		0	2	0	2	3	17	

Liverpool LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range	
AW-Terrestrial	AW-Aquatic	Harris Creek, Hammondville	311544.5799	6240787.332	60	6% to 25 %	3	3	2	2		0	2	0	2	3	17	
AW-Terrestrial	Null	Harris Creek, Hammondville	311557.4598	6240804.505	80	> 75%	3	3	2	2		0	2	0	2	3	17	
AW-Aquatic	AW-Terrestrial	Harris Creek, Hammondville	311561.7531	6240825.972	35	> 75%	3	3	2	2		0	2	0	2	3	17	
AW-Aquatic	AW-Terrestrial	Harris Creek, Hammondville	311561.7848	6240862.712	35	> 75%	3	3	2	2		0	2	0	2	3	17	
AW-Aquatic	AW-Terrestrial	Harris Creek, Hammondville	311589.6912	6240903.499	80	51% to 75%	3	3	2	2		0	2	0	2	3	17	
AW-Terrestrial	Null	Harris Creek, Hammondville	311650.7804	6241076.269	20	6% to 25 %	3	3	2	2		0	2	0	2	3	17	
AW-Aquatic	AW-Terrestrial	Harris Creek, Hammondville	311588.7745	6240979.274	25	> 75%	3	3	2	2		0	2	0	2	3	17	
AW-Aquatic	AW-Terrestrial	Harris Creek, Hammondville	311537.5869	6241050.149	35	6% to 25 %	3	3	2	2		0	2	0	2	3	17	
AW-Aquatic	AW-Terrestrial	Harris Creek, Hammondville	311525.7743	6241042.274	35	> 75%	3	3	2	2		0	2	0	2	3	17	
AW-Aquatic	AW-Terrestrial	Harris Creek, Hammondville	311490.3368	6241046.211	15	6% to 25 %	3	3	2	2		0	2	0	2	3	17	
AW-Aquatic	AW-Terrestrial	Harris Creek, Hammondville	311387.9615	6240975.336	25	> 75%	3	3	2	2		0	2	0	2	3	17	
AW-Aquatic	AW-Terrestrial	Harris Creek, Hammondville	311407.6491	6241046.211	20	26% to 50%	3	3	2	2		0	2	0	2	3	17	
AW-Terrestrial	Null	Harris Creek, Hammondville	311439.1492	6240888.711	10	26% to 50%	3	3	2	2		0	2	0	2	3	17	
AW-Aquatic	AW-Terrestrial	Hinchinbrook Creek, Liverpool	302232.3368	6244001.082	50	51% to 75%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	AW-Terrestrial	Hinchinbrook Creek, Liverpool	302297.7724	6243908.858	35	51% to 75%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	AW-Terrestrial	Hinchinbrook Creek, Liverpool	302544.0454	6243599.093	40	51% to 75%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	AW-Terrestrial	Hinchinbrook Creek, near Hoxton Park Airport, LCC	301704.0639	6245230.888	50	51% to 75%	3	2	2	3		0	2	0	3	3	18	
AW-Terrestrial	AW-Aquatic	Hoxton Park Creek, UBD 267	303632.6107	6236968.885	10	> 75%	2	2	2	0	2	3	0	1	4	4	20	
AW-Aquatic	Null	Kemps Creek, Eastwood Rd	295793.0895	6244578.737	10	6% to 25 %	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	AW-Terrestrial	Kemps Creek, Eastwood Rd	295784.4385	6244516.45	8	6% to 25 %	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	Null	Kemps Creek, Eastwood Rd	295779.8303	6244460.174	5	6% to 25 %	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	Null	Kemps Creek, Eastwood Rd	295769.4491	6244373.665	5	6% to 25 %	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	AW-Terrestrial	Kemps Creek, Eastwood Rd	295745.528	6244321.404	40	> 75%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	Null	Kemps Creek, Eastwood Rd	295814.1578	6244551.264	40	> 75%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	AW-Terrestrial	Kemps Creek, Liverpool	296222.4321	6244635.456	25	> 75%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	AW-Terrestrial	Kemps Creek, Liverpool	296173.9867	6244644.106	30	> 75%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	AW-Terrestrial	Kemps Creek, Liverpool	296153.2243	6244654.488	40	> 75%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	Null	Kemps Creek, Liverpool	296141.113	6244621.614	30	> 75%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	AW-Terrestrial	Kemps Creek, Liverpool	296163.6055	6244597.391	40	> 75%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	Null	Kemps Creek, Liverpool	296156.6847	6244687.361	40	> 75%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	Null	Kemps Creek, Liverpool	296156.6847	6244718.505	30	> 75%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	AW-Terrestrial	Kemps Creek, Liverpool	296156.6847	6244747.918	40	26% to 50%	3	2	2	3		0	2	0	3	3	18	

Liverpool LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range	
AW-Aquatic	AW-Terrestrial	Kemps Creek, Liverpool	296150.5614	6244784.322	40	> 75%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	AW-Terrestrial	Kemps Creek, Liverpool	296246.509	6244998.505	40	51% to 75%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	AW-Terrestrial	Kemps Creek, Liverpool	296184.222	6244898.153	40	> 75%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	AW-Terrestrial	Kemps Creek, Liverpool	296168.6503	6244875.661	35	> 75%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	Null	Kemps Creek, Liverpool	296165.1899	6244860.089	30	> 75%	3	2	2	3		0	2	0	3	3	18	
AW-Aquatic	Ludwigia	Liverpool STP	310032.6625	6245009.159	40	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309908.4597	6245048.439	4	26% to 50%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309942.0753	6245111.935	35	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309962.6183	6245068.982	30	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309949.5455	6245040.969	30	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Terrestrial	AW-Aquatic	Liverpool STP	309958.8832	6245095.127	40	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309943.9429	6245151.154	25	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309936.4727	6245194.107	35	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309951.413	6245175.432	30	> 75%	2	0	3	1		0	1	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309925.2675	6245225.855	40	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309876.7115	6245249.199	40	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309844.9634	6245267.875	30	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309910.3272	6245241.729	35	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309813.2153	6245209.981	30	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309831.8906	6245239.862	40	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309811.3477	6245167.028	40	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309816.9503	6245133.412	40	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309890.8998	6245059.255	35	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309772.5352	6245152.365	35	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309796.8132	6245128.087	32	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309707.1714	6245187.848	35	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309738.9195	6245150.498	30	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309714.6415	6245159.835	40	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309712.3979	6245225.508	35	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	Ludwigia	Liverpool STP	309633.9613	6245083.575	30	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309775.8942	6245107.853	30	> 75%	2	0	2	1		0	2	0	2	4	13	
AW-Aquatic	AW-Terrestrial	Liverpool STP	309962.3634	6245025.088	40	> 75%	2	0	2	1		0	2	0	2	4	13	

Liverpool LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range	
AW-Terrestrial	AW-Aquatic	Liverpool STP	309982.9063	6245036.293	25	26% to 50%	2	0	2	1		0	2	0	2	4	13
AW-Terrestrial	AW-Aquatic	Georges River	307880.8235	6242904.308	10	51% to 75%	4	2	2	2	1	1	2	0	2	4	20
AW-Terrestrial	AW-Aquatic	Georges River	307897.5398	6242922.417	80	51% to 75%	4	2	2	2	1	1	2	0	2	4	20
AW-Terrestrial	AW-Aquatic	Georges River	307908.6746	6242887.641	40	6% to 25 %	4	2	2	2	1	1	3	0	2	4	20
AW-Terrestrial	AW-Aquatic	Georges River	307875.7225	6242779.555	40	6% to 25 %	4	2	2	0	1	1	0	0	4	4	18
AW-Terrestrial	AW-Aquatic	Georges River	307804.3886	6242787.438	40	6% to 25 %	4	2	2	0	1	1	0	0	4	4	18
AW-Terrestrial	AW-Aquatic	Georges River	307764.693	6242723.995	20	6% to 25 %	4	2	2	0	1	1	0	0	4	4	18
AW-Terrestrial	AW-Aquatic	Georges River	307840.9679	6242829.701	8	6% to 25 %	4	2	2	0	1	1	0	0	4	4	18
AW-Aquatic	Null	Georges River	307213.7959	6239824.308	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307224.8847	6239857.243	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307218.5269	6239916.669	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307186.1586	6239942.772	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307169.5647	6240006.392	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307175.9326	6240137.821	25	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307142.8578	6240168.856	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307175.2433	6240243.669	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307140.3159	6240215.579	10	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307148.901	6240271.281	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307150.0451	6240356.975	10	51% to 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307145.5624	6240393.543	10	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307164.8685	6240413.865	40	26% to 50%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307126.515	6240426.459	10	51% to 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307074.776	6240446.532	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307064.5515	6240652.505	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307095.8142	6240627.745	100	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307090.7843	6240804.447	400	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307065.8612	6240734.398	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307066.9988	6240780.341	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307060.3635	6240899.467	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307058.9354	6240936.65	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307063.836	6240982.28	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307069.8673	6241008.983	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307108.4895	6241028.66	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307119.4809	6241060.249	40	> 75%	4	3	1	1	1	0	0	1	4	4	19

Liverpool LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range	
AW-Aquatic	Null	Georges River	307132.0448	6241116.449	40	51% to 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307123.2532	6241172.988	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307186.2695	6241266.785	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307155.5535	6241334.19	40	51% to 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307197.7627	6241382.574	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307181.8783	6241436.238	40	51% to 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307198.5828	6241484.133	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307226.5617	6241539.206	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307267.9803	6241629.117	40	26% to 50%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307280.9375	6241665.971	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307348.4977	6241758.925	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307388.4813	6241813.126	40	51% to 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307413.4074	6241800.895	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307406.2471	6241834.426	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307466.946	6241884.181	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307479.7717	6241849.148	40	51% to 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307563.1285	6241874.109	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307552.7286	6241858.488	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307545.356	6241868.504	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307603.3638	6241936.452	40	51% to 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307629.7194	6242041.615	40	51% to 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307646.0764	6242093.098	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307648.2054	6242128.839	40	> 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307646.9473	6242149.579	25	26% to 50%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307651.4721	6242169.544	40	51% to 75%	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307645.4897	6242209.399	25	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307637.9753	6242267.511	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307623.0534	6242372.46	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307642.7691	6242432.263	15	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307647.5506	6242473.118	10	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307668.1235	6242692.275	12	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307731.1874	6242746.992	20	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307767.7051	6242814.462	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307819.5619	6242910.254	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19

Liverpool LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range	
AW-Aquatic	Null	Georges River	307975.0988	6243169.013	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307958.7186	6243189.232	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308029.4707	6243231.848	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308040.8879	6243286.886	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308137.2262	6243401.935	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308195.6708	6243456.678	25	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308337.4752	6243640.944	12	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308452.4643	6243888.067	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308463.6418	6243955.784	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308470.4887	6244100.332	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308487.2403	6244217.627	50	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308529.7645	6244153.536	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308512.0177	6244083.202	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308502.7603	6243952.022	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308457.7027	6243790.876	30	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308396.8164	6243667.281	10	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308363.9149	6243612.215	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308311.8763	6243532.98	25	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308189.6242	6243401.547	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308111.3702	6243314.715	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308077.9444	6243280.555	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	308012.2288	6243203.775	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307969.036	6243151.984	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307884.7444	6243021.719	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307821.2483	6242908.285	40	6% to 25 %	4	3	1	1	1	0	0	1	4	4	19
AW-Aquatic	Null	Georges River	307703.6887	6242684.636	20	6% to 25 %	4	3	2	2	1	0	2	0	4	4	22
AW-Aquatic	Null	Georges River	307672.2545	6242619.024	40	6% to 25 %	4	3	2	2	1	0	2	0	4	4	22
AW-Aquatic	Null	Georges River	307649.7724	6242529.788	40	6% to 25 %	4	3	2	2	1	0	2	0	4	4	22
AW-Aquatic	Null	Kemps Creek, Gurner Road	296271.537	6245685.919	40	51% to 75%	3	1	3	2	0	0	2	0	3	3	17
AW-Aquatic	Null	Nepean River, Wallacia	282351.222	6245161.093	10	6% to 25 %	4	2	2	0	0	0	2	0	4	4	20
AW-Aquatic	Null	Nepean River, Wallacia	282110.8748	6245369.748	10	6% to 25 %	4	2	2	0	0	0	2	0	4	4	20
AW-Terrestrial	AW-Aquatic	Nepean River, Wallacia	281225.8895	6246599.595	5	51% to 75%	4	2	2	2	0	0	2	0	4	4	20
AW-Aquatic	Null	Northern Road-Badgerys Creek	287915.3751	6244939.632	40	26% to 50%	3	2	2	2	0	1	2	0	4	4	20
AW-Aquatic	Null	Northern Road-Badgerys Creek	287921.3394	6244923.25	40	6% to 25 %	3	2	2	2	0	1	2	0	4	4	20

Liverpool LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Northern Road-Badgerys Creek	287913.3149	6244977.264	300	> 75%	3	2	2	2	0	1	2	0	4	4	20
AW-Aquatic	Null	Off Kemps Creek on dam, Liverpool	295131.5543	6245927.77	40	> 75%	2	2	2	2	0	1	2	0	4	3	18
AW-Aquatic	AW-Terrestrial	Rosmore, Bringelly Properties	293643.2046	6241902.135	30	51% to 75%	3	2	2	3		2	2	0	4	3	21
AW-Aquatic	AW-Terrestrial	Rosmore, Bringelly Properties	293657.2499	6242063.656	40	> 75%	3	2	2	3		2	2	0	4	3	21
AW-Aquatic	AW-Terrestrial	Rosmore, Bringelly Properties	293625.6481	6241993.429	16	51% to 75%	3	2	2	3		2	2	0	4	3	21
AW-Aquatic	Null	Rosmore, Bringelly Properties	293186.0932	6242493	2	26% to 50%	3	3	2	3		2	2	0	3	1	19
AW-Aquatic	Null	South Creek	293647.2948	6249272.116	40	26% to 50%	4	2	3	2	0	1	2	1	4	4	23
AW-Aquatic	Null	South Creek	293498.36	6248962.756	12	26% to 50%	4	2	3	2	0	1	2	1	4	4	23
AW-Aquatic	Null	South Creek	293482.5931	6248661.183	10	26% to 50%	4	2	3	2	0	1	2	1	4	4	23
AW-Aquatic	Null	South Creek	293474.6172	6248226.443	30	26% to 50%	4	2	3	2	0	1	2	1	4	4	23
AW-Aquatic	Null	South Creek	293652.7606	6248036.431	40	26% to 50%	4	2	3	2	0	1	2	1	4	4	23
AW-Aquatic	Null	South Creek	293866.1433	6247815.076	40	26% to 50%	4	2	3	2	0	1	2	1	4	4	23
AW-Aquatic	Null	South Creek	293915.0165	6247550.691	25	26% to 50%	4	2	3	2	0	1	2	1	4	4	23
AW-Aquatic	Null	South Creek	293930.5991	6247284.359	10	26% to 50%	4	2	3	2	0	1	2	1	4	4	23
AW-Aquatic	Null	South Creek	293846.3083	6247012.183	25	26% to 50%	4	2	3	2	0	1	2	1	4	4	23
AW-Aquatic	Null	South Creek	293527.0288	6246759.661	30	26% to 50%	4	2	3	2	0	1	2	1	4	4	22

Parramatta LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW- Aquatic	AW -Terrestrial	Duck Creek	316526.4989	6252586.879	25	51% to 75%	3	2	2	2	1	0	2	0	3	1	16
AW- Aquatic	Null	Duck Creek	316234.8928	6251469.275	5	51% to 75%	3	2	2	2	1	0	2	0	3	1	16
AW- Aquatic	Null	Duck Creek	316199.8702	6251050.799	2	26% to 50%	3	2	2	2	1	0	2	0	3	1	16
AW- Aquatic	Null	Duck Creek	316285.1577	6250609.612	8	51% to 75%	3	2	2	2	1	0	2	0	3	1	16
AW- Aquatic	AW -Terrestrial	Duck Creek	316080.9467	6250032.515	10	51% to 75%	3	2	2	2	1	0	2	0	3	1	16
AW- Aquatic	AW -Terrestrial	Duck Creek	316166.2405	6249591.329	2	51% to 75%	3	2	2	2	1	0	2	0	3	1	16
AW -Terrestrial	Null	Duck River, Granville	316347.0213	6253404.527	10	6% to 25 %	3	2	2	2	1	0	2	0	3	3	18
AW -Terrestrial	Null	Duck River, Granville	316520.6094	6253370.723	40	6% to 25 %	3	2	2	2	1	0	2	0	3	3	18
AW -Terrestrial	Null	Duck River, Granville	316473.101	6253394.477	40	6% to 25 %	3	2	2	2	1	0	2	0	3	3	18

Parramatta LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW- Aquatic	Null	Duck River, Granville	316473.101	6253418.231	3	6% to 25 %	3	2	2	2	1	0	2	0	3	1	16
AW- Aquatic	Null	Duck River, Granville	316469.9472	6253455.305	5	6% to 25 %	3	2	2	2	1	0	2	0	3	1	16
AW -Terrestrial	Null	Duck River, Granville	316482.756	6253548.774	4	6% to 25 %	3	2	2	2	1	0	2	0	3	1	16
AW- Aquatic	AW -Terrestrial	Duck River, Granville	316461.4824	6253121.904	8	6% to 25 %	3	2	2	2	1	0	2	0	3	1	16
AW- Aquatic	Null	Duck River, Granville	316484.8147	6253063.573	4	6% to 25 %	3	2	2	2	1	0	2	0	3	1	16
AW- Aquatic	Senegal Tea	Duck River, Granville	316554.8118	6252946.912	8	6% to 25 %	3	2	2	2	1	0	2	0	3	1	16
AW- Aquatic	Null	Duck River, Granville	316684.4094	6254155.406	5	6% to 25 %	3	2	2	2	1	0	2	0	3	1	16
AW -Terrestrial	Null	Duck River, Granville	316672.7432	6254155.406	8	6% to 25 %	3	2	2	2	1	0	2	0	3	1	16
AW -Terrestrial	Null	Parramatta Park	314828.976	6257062.299	35	6% to 25 %	3	3	2	2	0	1	1	0	2	3	17
AW -Terrestrial	Null	Parramatta Park	314856.3378	6257062.299	35	> 75%	3	3	2	2	0	1	1	0	2	3	17
AW- Aquatic	AW -Terrestrial	Parramatta Park	314883.6996	6257062.299	2	26% to 50%	3	3	2	2	0	1	1	0	2	3	17
AW- Aquatic	Null	Parramatta Park	314993.1469	6257144.384	10	6% to 25 %	3	3	2	2	0	1	1	0	2	3	17
AW- Aquatic	Null	Parramatta River	314704.3015	6257033.238	4	26% to 50%	3	3	2	2	0	0	1	0	2	3	16
AW- Aquatic	Null	Parramatta River	314637.2502	6257668.514	2	51% to 75%	3	3	2	2	0	0	1	0	2	3	16
AW- Aquatic	Null	Parramatta River	314495.0722	6257879.936	3	51% to 75%	3	3	2	2	0	0	1	0	2	3	16
AW- Aquatic	AW -Terrestrial	Parramatta River	314401.5	6258114.171	3	26% to 50%	3	3	2	2	0	0	1	0	2	3	16
AW- Aquatic	AW -Terrestrial	Pendle Hill Creek	310565.5562	6258639.348	2	26% to 50%	3	2	2	1	0	0	2	0	3	3	16
AW- Aquatic	Null	Pendle Hill Creek	310506.6486	6259135.305	4	26% to 50%	3	2	2	1	0	0	2	0	3	3	16
AW- Aquatic	Null	Pendle Hill Creek	310556.6577	6259647.606	6	26% to 50%	3	2	2	1	0	0	2	0	3	3	16
AW- Aquatic	Null	Pendle Hill Creek	310553.9152	6260036.974	8	51% to 75%	3	2	2	1	0	0	2	0	3	3	16
AW- Aquatic	AW -Terrestrial	Pendle Hill Creek	310635.3707	6260181.556	4	51% to 75%	3	2	2	1	0	0	2	0	3	3	16
AW- Aquatic	AW -Terrestrial	Pendle Hill Creek	310550.1885	6259587.301	20	51% to 75%	3	2	2	1	0	0	2	0	3	3	16
AW- Aquatic	Null	Pendle Hill Creek	310539.9959	6259077.324	12	26% to 50%	3	2	2	1	0	0	2	0	3	3	16
AW- Aquatic	Null	Toongabbie Creek	314319.6249	6258319.126	5	26% to 50%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	Null	Toongabbie Creek	314374.0401	6258242.404	5	51% to 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	AW -Terrestrial	Toongabbie Creek	312965.3583	6258250.066	5	26% to 50%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	Null	Toongabbie Creek	313056.7612	6258395.227	2	51% to 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	AW -Terrestrial	Toongabbie Creek	313179.187	6258522.223	10	> 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	Null	Toongabbie Creek	313250.1018	6258676.175	2	26% to 50%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	Null	Toongabbie Creek	313425.8594	6258916.146	4	51% to 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	Null	Toongabbie Creek	313269.7776	6258167.96	4	26% to 50%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	Null	Toongabbie Creek	313043.749	6258104.828	5	26% to 50%	3	2	2	3	0	0	2	0	2	3	17

Parramatta LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW- Aquatic	AW -Terrestrial	Toongabbie Creek	310886.0438	6260336.01	10	51% to 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	AW -Terrestrial	Toongabbie Creek	311105.6111	6260338.832	12	51% to 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	AW -Terrestrial	Toongabbie Creek	311821.6276	6260220.801	16	51% to 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	AW -Terrestrial	Toongabbie Creek	311931.1196	6260227.189	20	51% to 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	Null	Toongabbie Creek	313451.3103	6259506.893	3	51% to 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	Null	Toongabbie Creek	312662.2279	6259850.365	6	51% to 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	AW -Terrestrial	Toongabbie Creek	313612.7326	6259136.789	12	> 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	Null	Toongabbie Creek	312225.006	6260154.446	18	51% to 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	Null	Toongabbie Creek	311174.4816	6260322.734	8	26% to 50%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	Null	Toongabbie Creek	311510.9869	6260281.619	10	26% to 50%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	AW -Terrestrial	Toongabbie Creek, Westmead	314089.8303	6258262.695	10	6% to 25 %	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	AW -Terrestrial	Toongabbie Creek, Westmead	313924.795	6258330.107	80	> 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	AW -Terrestrial	Toongabbie Creek, Westmead	313955.6164	6258287.344	70	51% to 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	Null	Toongabbie Creek, Westmead	314017.4599	6258290.78	35	51% to 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	AW -Terrestrial	Toongabbie Creek, Westmead	313855.9797	6258314.83	35	51% to 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	AW -Terrestrial	Toongabbie Creek, Westmead	313776.9574	6258252.987	30	> 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	Null	Toongabbie Creek, Westmead	313697.9351	6258252.987	40	> 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	Null	Toongabbie Creek, Westmead	313622.3486	6258215.194	35	> 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	Null	Toongabbie Creek, Westmead	313533.0191	6258228.937	35	> 75%	3	2	2	3	0	0	2	0	2	3	17
AW- Aquatic	AW -Terrestrial	Toongabbie Creek, Westmead	313725.4211	6258208.322	20	51% to 75%	3	2	2	3	0	0	2	0	2	3	17

Penrith LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Badgerys Creek	292164.84	6250465	25	51% to 75%	3	2	3	2	0	0	3	0	4	3	17
AW-Aquatic	Null	Badgerys Creek	292114.76	6249872.2	20	51% to 75%	3	2	2	3	0	0	2	0	2	2	16
AW-Aquatic	Null	Badgerys Creek	292147.04	6250962.4	10	51% to 75%	3	2	2	3	0	0	2	0	2	2	16

Penrith LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Terrestrial	AW-Aquatic	Hawkesbury River	286179.15	6264619.8	12	6% to 25 %	4	4	2	0	2	3	0	1	2	3	21
AW-Aquatic	AW-Terrestrial	Hawkesbury River	286434.55	6278540.5	12	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	286426.6	6278297.2	20	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	286603.85	6278285.5	25	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	286321.74	6278202.9	20	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	286501.53	6278147.1	25	6% to 25 %	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	286488.48	6277991.8	12	6% to 25 %	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	286777.81	6279090.1	16	6% to 25 %	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	286163.66	6277884.7	8	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	286344.73	6277806.9	12	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	285995.36	6277742.5	12	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	286197.15	6277688	20	6% to 25 %	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	286054.68	6277481.1	12	6% to 25 %	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	285974.37	6277344	20	6% to 25 %	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	285778.96	6277288.5	25	6% to 25 %	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	285538.29	6277252.5	12	50% to 75%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	285366.15	6277176.3	10	50% to 75%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	285085.32	6277071.7	12	50% to 75%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	285047.72	6276959.1	10	50% to 75%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	285352.1	6277418.2	12	50% to 75%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	285585.11	6277586.3	10	50% to 75%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	285781.79	6277619.7	40	50% to 75%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	285788.18	6277509.8	25	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	284923.41	6276819.5	10	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	284713.67	6276630.7	12	6% to 25 %	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	284682.46	6276408.2	12	6% to 25 %	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	284545.37	6276488.5	20	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	284388.31	6275773.2	30	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	284397.26	6275619.2	12	6% to 25 %	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	284210.8	6275409.7	40	50% to 75%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	284210.8	6275409.7	25	50% to 75%	4	3	1	3	4	1	0	0	2	4	22

Penrith LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	AW-Terrestrial	Hawkesbury River	284090.33	6275204.1	12	6% to 25 %	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	285588.86	6264245	20	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	285506.21	6264527.1	16	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	285495.96	6264703.1	25	50% to 75%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	285265.75	6264866.3	24	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	285107.93	6264923.3	20	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	284824.55	6264862.6	12	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	284602.03	6264893.8	10	50% to 75%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	284393.6	6264683	8	50% to 75%	4	3	1	2	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	284174.92	6264648.2	10	50% to 75%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	284074.12	6264863	20	50% to 75%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	283732.44	6264666.6	12	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	283441.36	6264737.9	12	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	283758.49	6264977.1	8	6% to 25 %	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	283210.94	6264979.3	12	6% to 25 %	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	282991.59	6265344.7	20	50% to 75%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	282788.1	6265746.9	12	50% to 75%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Ludwigia	Hawkesbury River	282752.38	6266051	20	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	282584.78	6266455.3	25	6% to 25 %	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	282670.15	6266226.2	20	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	282926.46	6267699.6	12	6% to 25 %	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	282919.33	6268131.4	40	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	282926.64	6268005.7	40	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	Null	Hawkesbury River	283040.76	6268210.5	25	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Hawkesbury River	282918.47	6268455.4	20	26% to 50%	4	3	1	3	4	1	0	0	2	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	283261.51	6261465.7	30	51% to 75%	4	4	2	0	3	1	1	1	4	4	24
AW-Aquatic	AW-Terrestrial	Nepean River	283116.48	6261334.6	25	6% to 25 %	4	4	2	0	3	1	1	1	4	4	24
AW-Aquatic	AW-Terrestrial	Nepean River	283039.76	6261264.2	50	6% to 25 %	4	4	2	0	3	1	1	1	4	4	24
AW-Aquatic	AW-Terrestrial	Nepean River	282826.79	6261011.1	40	51% to 75%	4	4	2	0	3	1	1	1	4	4	24
AW-Aquatic	AW-Terrestrial	Nepean River	282756.77	6261000.7	10	6% to 25 %	4	4	2	0	3	1	1	1	4	4	24
AW-Aquatic	AW-Terrestrial	Nepean River	282700.09	6260924	15	6% to 25 %	4	4	2	0	3	1	1	1	4	4	24

Penrith LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Terrestrial	AW-Aquatic	Nepean River	282014.04	6260061.1	50	6% to 25 %	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	281666.21	6259608.8	50	26% to 50%	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	281339.59	6259022.6	20	6% to 25 %	4	4	2	0	3	1	1	0	4	4	23
AW-Terrestrial	AW-Aquatic	Nepean River	281001.67	6258286.2	10	6% to 25 %	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	AW-Terrestrial	Nepean River	280519.88	6257387.9	25	6% to 25 %	4	4	2	0	3	1	1	0	4	4	23
AW-Terrestrial	AW-Aquatic	Nepean River	280098.92	6256643.8	4	6% to 25 %	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	279865.12	6256207.8	20	6% to 25 %	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	279780.43	6256045.6	20	26% to 50%	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	279521.27	6255700.9	16	6% to 25 %	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	AW-Terrestrial	Nepean River	279338.12	6255478.8	30	26% to 50%	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	AW-Terrestrial	Nepean River	279150.99	6255281.7	25	26% to 50%	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	279068.93	6255205.9	10	26% to 50%	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	AW-Terrestrial	Nepean River	278867.14	6255032.6	8	26% to 50%	4	4	2	0	3	1	1	0	4	4	23
AW-Terrestrial	AW-Aquatic	Nepean River	278771.3	6254958.7	20	26% to 50%	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	278659.64	6254893.2	10	6% to 25 %	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	278600.34	6254868.5	10	6% to 25 %	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	AW-Terrestrial	Nepean River	278320.63	6254750.8	5	26% to 50%	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	278147.84	6254663.4	5	6% to 25 %	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	278107.97	6254641	10	6% to 25 %	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	278041.16	6254596.8	4	26% to 50%	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	277981.59	6254564.4	8	26% to 50%	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	277824.99	6254489.4	10	6% to 25 %	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	277777.46	6254454.4	10	6% to 25 %	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	277716.69	6254404.5	22	6% to 25 %	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	AW-Terrestrial	Nepean River	276963.25	6252923.4	30	51% to 75%	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	276867.33	6252212.7	20	51% to 75%	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	276942.14	6251972.3	10	26% to 50%	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	276966.56	6251902.9	30	6% to 25 %	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	277360.99	6251177.1	16	26% to 50%	4	4	2	0	3	1	1	0	4	4	23
AW-Terrestrial	AW-Aquatic	Nepean River	277472.27	6251113.2	15	26% to 50%	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	AW-Terrestrial	Nepean River	277596.47	6251070.5	25	26% to 50%	4	4	2	0	3	1	1	0	4	4	23
AW-Aquatic	Null	Nepean River	277865.87	6251075.6	35	6% to 25 %	4	4	2	0	3	1	1	0	4	4	23
AW-Terrestrial	AW-Aquatic	Nepean River	277981.78	6251098.8	30	> 75%	4	4	2	0	3	1	1	0	4	4	23
AW-Terrestrial	AW-Aquatic	Nepean River	278395.68	6251098.6	40	26% to 50%	4	4	2	0	3	0	1	0	4	4	22
AW-Terrestrial	AW-Aquatic	Nepean River	278583.5	6251112.4	25	26% to 50%	4	4	2	0	3	0	1	0	4	4	22

Penrith LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Nepean River	278662.98	6251129.3	20	> 75%	4	4	2	0	3	0	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	279105.82	6251020.3	75	51% to 75%	4	4	2	0	3	0	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	279155.25	6251030.2	25	51% to 75%	4	2	2	0	3	0	1	0	4	4	20
AW-Aquatic	AW-Terrestrial	Nepean River	279084.7	6251014.2	1000	> 75%	4	2	2	0	3	0	1	0	4	4	20
AW-Aquatic	AW-Terrestrial	Nepean River	278972.87	6250908.5	100	> 75%	4	2	2	0	3	0	1	0	4	4	20
AW-Terrestrial	AW-Aquatic	Nepean River	279002.29	6250860.4	500	26% to 50%	4	2	2	0	3	0	1	0	4	4	20
AW-Aquatic	AW-Terrestrial	Nepean River	279088.12	6250741.7	100	51% to 75%	4	2	2	0	3	0	1	0	4	4	20
AW-Aquatic	AW-Terrestrial	Nepean River	279134.4	6250664.8	400	51% to 75%	4	2	2	0	3	0	1	0	4	4	20
AW-Aquatic	AW-Terrestrial	Nepean River	279180.05	6250577.2	100	26% to 50%	4	2	2	0	3	0	1	0	4	4	20
AW-Aquatic	AW-Terrestrial	Nepean River	278992.5	6250865.6	40	26% to 50%	4	3	2	0	1	0	1	0	4	4	20
AW-Aquatic	AW-Terrestrial	Nepean River	278962.95	6250914.8	40	> 75%	4	3	2	0	2	0	1	0	4	4	20
AW-Aquatic	AW-Terrestrial	Nepean River	278937.08	6250942.9	40	51% to 75%	4	3	2	0	2	0	1	0	4	4	20
AW-Aquatic	AW-Terrestrial	Nepean River	278883.26	6250952.7	80	51% to 75%	4	3	2	0	2	0	1	0	4	4	20
AW-Aquatic	AW-Terrestrial	Nepean River	278903.72	6251004.6	40	51% to 75%	4	3	2	0	2	0	1	0	4	4	20
AW-Aquatic	AW-Terrestrial	Nepean River	278982.63	6251049.2	80	26% to 50%	4	3	2	0	2	1	1	0	4	4	20
AW-Aquatic	AW-Terrestrial	Nepean River	278904.82	6251080.9	40	51% to 75%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	278772.98	6251120.9	80	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	278702.33	6251121.7	40	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	278644.65	6251114.8	100	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	278490.29	6251084.3	40	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	278431.71	6251077.1	40	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	Null	Nepean River	278351.91	6251065.9	40	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	278316.87	6251059.9	40	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	278262.49	6251058.8	40	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	278189.48	6251060.3	70	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	278126.55	6251058.5	12	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	Null	Nepean River	278026.39	6251062.8	15	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	277799.89	6251050.9	15	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	277642.81	6251067.4	10	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	Null	Nepean River	277525.48	6251079.4	12	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	Null	Nepean River	277259.95	6251277	25	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Terrestrial	AW-Aquatic	Nepean River	277070.35	6251663.8	40	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	Null	Nepean River	276946.09	6251892.1	25	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	Null	Nepean River	276923.13	6251949	10	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	278845.3	6255067.1	30	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22

Penrith LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Terrestrial	AW-Aquatic	Nepean River	278936.54	6255140.3	10	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Terrestrial	AW-Aquatic	Nepean River	278966.29	6255170.4	20	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	Null	Nepean River	279215.38	6255397.2	20	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Terrestrial	AW-Aquatic	Nepean River	279452.88	6255680.2	16	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Terrestrial	AW-Aquatic	Nepean River	279607.18	6255877.8	10	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	Null	Nepean River	280833.94	6257921.6	12	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	283494.22	6261866.3	40	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	283950.91	6262302.2	20	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	284353.09	6262703.5	12	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	284490.96	6262826.7	14	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	284633.25	6262972.9	15	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	284797.93	6263135.4	25	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	284991.86	6263349.1	20	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	285032.94	6263396.6	40	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Terrestrial	AW-Aquatic	Nepean River	285093.86	6263483.6	15	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Terrestrial	AW-Aquatic	Nepean River	285241.37	6263701.2	100	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Terrestrial	AW-Aquatic	Nepean River	285293.06	6263796.4	100	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Terrestrial	Null	Nepean River	285323.39	6263860	60	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	285355.17	6263894.9	80	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	285406.79	6263974.5	40	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	285423	6264039.7	40	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Terrestrial	AW-Aquatic	Nepean River	285462.37	6264099.2	25	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	285531.24	6264074.5	12	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	Null	Nepean River	285517.09	6264021.3	80	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	285505.19	6263957	100	51% to 75%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	285469	6263846.8	40	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	Null	Nepean River	285415.33	6263724.2	50	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	285397.46	6263682.5	40	51% to 75%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	285351.53	6263603.3	40	51% to 75%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	285248.68	6263418.4	40	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	285208.64	6263350.8	80	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	285130.49	6263262.5	60	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	Null	Nepean River	285071.75	6263200.3	30	26% to 50%	4	4	2	0	2	1	1	0	4	4	22

Penrith LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Nepean River	284988.55	6263108.2	100	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	284890.21	6263014	100	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	Null	Nepean River	284822.54	6262946.8	40	6% to 25 %	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	Null	Nepean River	284531.24	6262659.6	20	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Terrestrial	AW-Aquatic	Nepean River	284394.07	6262518	15	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Terrestrial	AW-Aquatic	Nepean River	284140.4	6262286.8	15	51% to 75%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	284001.49	6262161.2	100	51% to 75%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	283964.38	6262133.7	40	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	283793.07	6261959.9	30	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Terrestrial	AW-Aquatic	Nepean River	283700.96	6261867.1	100	51% to 75%	4	4	2	0	2	1	1	0	4	4	22
AW-Terrestrial	AW-Aquatic	Nepean River	283554.6	6261722.5	60	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Nepean River	283468.81	6261637.9	40	26% to 50%	4	4	2	0	2	1	1	0	4	4	22
AW-Aquatic	AW-Terrestrial	Ropes Creek	293172.47	6258856.7	40	26% to 50%	4	2	4	2	1	1	2	0	2	4	23
AW-Aquatic	Null	Ropes Creek	293168.43	6258822.1	80	> 75%	4	2	4	2	1	1	2	0	2	4	23
AW-Aquatic	Null	Ropes Creek	293145.82	6258800.9	80	> 75%	4	2	4	2	1	1	2	0	2	4	23
AW-Aquatic	Null	Ropes Creek	293159.51	6258832.6	40	> 75%	4	2	4	2	1	1	2	0	2	4	23
AW-Terrestrial	AW-Aquatic	Ropes Creek	293116.62	6258745.2	80	> 75%	4	2	4	2	1	1	2	0	2	4	23
AW-Aquatic	Null	Ropes Creek, vast	293113.21	6258670.6	100	51% to 75%	4	2	4	2	1	1	2	0	2	4	23
AW-Aquatic	Null	Ropes Creek. vast	293089.98	6258580	100	51% to 75%	4	2	4	2	1	1	2	0	2	4	23
AW-Aquatic	AW-Aquatic	South Creek	292869.11	6260073.8	40	> 75%	4	2	4	2	0	1	2	1	2	4	22
AW-Aquatic	AW-Aquatic	South Creek	292869.48	6260073	1000	> 75%	4	2	4	2	0	1	2	1	2	4	22
AW-Aquatic	AW-Terrestrial	South Creek	293176.02	6257174.7	40	> 75%	4	2	4	2	0	1	2	1	2	4	22
AW-Aquatic	AW-Terrestrial	South Creek	293152.03	6257171	40	> 75%	4	2	4	2	0	1	2	1	2	4	22
AW-Aquatic	AW-Terrestrial	South Creek	293136.83	6257163.6	40	> 75%	4	2	4	2	0	1	2	1	2	4	22
AW-Aquatic	AW-Terrestrial	South Creek	293124.19	6257163.4	40	> 75%	4	2	4	2	0	1	2	1	2	4	22
AW-Aquatic	AW-Terrestrial	South Creek	293113.33	6257166.7	40	> 75%	4	2	4	2	0	1	2	1	2	4	22
AW-Aquatic	AW-Terrestrial	South Creek	293100.56	6257171.7	100	> 75%	4	2	4	2	0	1	2	1	3	4	23
AW-Aquatic	AW-Terrestrial	South Creek	293093.99	6257173.5	200	> 75%	4	2	4	2	0	1	2	1	3	4	23
AW-Aquatic	AW-Terrestrial	South Creek	293054.88	6257185.4	160	> 75%	4	2	4	2	0	1	2	1	3	4	23
AW-Aquatic	AW-Terrestrial	South Creek	292975.2	6257206.8	200	> 75%	4	2	4	2	0	1	2	1	3	4	23
AW-Aquatic	AW-Terrestrial	South Creek	292931.92	6257225.2	200	51% to 75%	4	2	4	2	0	1	2	1	3	4	23
AW-Aquatic	Null	South Creek	292889.48	6257235.2	200	> 75%	4	2	4	2	0	1	2	1	3	4	23

Penrith LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	South Creek	292874.58	6257244.8	1000	51% to 75%	4	2	4	2	0	1	2	1	3	4	23
AW-Aquatic	AW-Terrestrial	South Creek	292654.93	6260253.4	1000	51% to 75%	4	2	4	2	0	1	2	1	3	4	23
AW-Aquatic	Ludwigia	South Creek	292661	6260234.8	40	51% to 75%	4	2	4	2	0	1	2	1	3	4	23
AW-Aquatic	AW-Terrestrial	South Creek	292704	6260186.4	100	> 75%	4	2	4	2	0	1	2	1	3	4	23
AW-Aquatic	AW-Terrestrial	South Creek	293200.89	6258857.5	500	26% to 50%	4	2	4	2	1	1	2	0	3	4	23
AW-Aquatic	AW-Terrestrial	South Creek	292502.28	6260557.2	1000	51% to 75%	4	2	3	2	0	1	2	1	3	4	23
AW-Aquatic	Null	South Creek	292949.45	6254847	100	51% to 75%	4	2	3	2	0	1	2	1	3	4	23
AW-Aquatic	Null	South Creek	293004.98	6253896.3	50	51% to 75%	4	2	4	2	0	1	2	1	3	4	23
AW-Aquatic	Null	South Creek	293735.69	6250296.7	100	51% to 75%	4	2	4	2	0	1	2	1	3	4	23
AW-Aquatic	Null	South Creek	293702.97	6250573.5	40	51% to 75%	4	2	4	2	0	1	2	1	3	4	22
AW-Aquatic	Null	South Creek	293911.52	6250247.3	25	51% to 75%	4	2	3	2	0	1	2	1	3	4	23
AW-Aquatic	Null	South Creek	294137.13	6250035.7	40	51% to 75%	4	2	4	2	0	1	2	1	3	4	23
AW-Aquatic	Null	South Creek	294033.16	6249528.5	20	51% to 75%	4	2	4	2	0	1	2	1	3	4	23
AW-Aquatic	Null	South Creek	292933.94	6257941.1	40	26% to 50%	4	2	4	2	0	1	2	1	2	4	22
AW-Aquatic	Null	South Creek	293474.53	6258427.9	25	26% to 50%	4	2	4	2	0	1	2	1	2	4	22
AW-Aquatic	Null	South Creek	293006.76	6256693.6	40	51% to 75%	4	2	4	2	0	1	2	1	2	4	22
AW-Aquatic	Null	South Creek	293036.56	6256183.2	40	51% to 75%	4	2	4	2	0	1	2	1	2	4	22
AW-Aquatic	Null	South Creek	292450.5	6258425	40	51% to 75%	4	2	4	2	0	1	2	1	2	4	22
AW-Aquatic	AW-Terrestrial	South Creek	292773.41	6259224.3	500	51% to 75%	4	2	4	2	1	1	2	0	2	4	23
AW-Aquatic	AW-Terrestrial	South Creek	292814.72	6259368.2	500	> 75%	4	2	4	2	1	1	2	1	2	4	23
AW-Aquatic	AW-Terrestrial	South Creek	293077.63	6259576.4	500	> 75%	4	2	4	2	1	1	2	1	2	4	23
AW-Aquatic	AW-Terrestrial	South Creek	293195.96	6259941.4	500	> 75%	4	2	4	2	0	1	2	1	2	4	22
AW-Aquatic	AW-Terrestrial	South Creek	292504.88	6260562.9	500	> 75%	4	2	4	2	0	1	2	1	2	4	22
AW-Aquatic	AW-Terrestrial	South Creek	292504.38	6260562.3	1000	26% to 50%	4	2	4	2	0	1	2	1	2	4	22
AW-Aquatic	AW-Terrestrial	South Creek	292503.43	6260538.8	1000	26% to 50%	4	2	4	2	0	1	2	1	2	4	22
AW-Aquatic	AW-Terrestrial	South Creek	293142.06	6259100.4	1000		4	2	4	2	1	1	2	1	2	4	23
AW-Aquatic	AW-Terrestrial	South Creek, vast, pipe line	292849.38	6259393.3	200		4	2	4	2	1	1	2	1	2	4	23
AW-Aquatic	AW-Terrestrial	South Creek	292770.83	6261289.2	12	26% to 50%	4	2	2	2	0	0	2	0	2	3	17
AW-Aquatic	AW-Terrestrial	South Creek	293237.58	6261335.9	10	6% to 25 %	4	2	2	2	0	0	2	0	2	3	17
AW-Aquatic	AW-Terrestrial	Warragamba River	279197.18	6250488.8	80	6% to 25 %	4	2	2	0	2	0	1	0	4	3	18
AW-Aquatic	AW-Terrestrial	Warragamba River	279208.02	6250410.4	20	6% to 25 %	4	2	2	0	2	0	1	0	4	3	18
AW-Aquatic	AW-Terrestrial	Warragamba River	279029.49	6249352.9	40	26% to 50%	4	2	2	0	2	0	1	0	4	4	20

Penrith LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Risk4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	AW-Terrestrial	Warragamba River	279147.58	6249743.6	40	6% to 25 %	4	2	2	0	2	0	1	0	4	4	20
AW-Aquatic	AW-Terrestrial	Warragamba River	279219.62	6250186.9	80	26% to 50%	4	3	2	0	2	0	1	0	4	4	20
AW-Terrestrial	AW-Aquatic	Warragamba-Nepean confluence	279194.1	6250481.4	40	6% to 25 %	4	3	2	0	2	0	1	0	4	4	20
AW-Aquatic	AW-Terrestrial	Warragamba-Nepean confluence	279157.45	6250612.3	80	6% to 25 %	4	3	2	0	2	0	1	0	4	4	20
AW-Aquatic	AW-Terrestrial	Warragamba-Nepean confluence	279094.75	6250730.7	40	26% to 50%	4	3	2	0	2	0	1	0	4	4	20
AW-Terrestrial	AW-Aquatic	Warragamba-Nepean confluence	279028.65	6250814.3	40	26% to 50%	4	3	2	0	2	0	1	0	4	4	20
AW-Aquatic	AW-Terrestrial	Yarramundi Lagoon	286752.67	6277453.9	100	26% to 50%	4	2	2	2	2	2	0	0	4	4	22

Rockdale LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Bicentennial Park, Rockdale	328468.22	6239375.2	25	26% to 50%	3	3	1	3	1	0	3	0	4	3	21
AW-Aquatic	AW-Terrestrial	Bicentennial Park, Rockdale	328641.55	6239466.6	12	26% to 50%	3	3	0	2	1	0	1	0	4	2	15
AW-Aquatic	Null	Bicentennial Park, Rockdale	328445.33	6239211.4	12	26% to 50%	3	3	0	3	1	0	3	0	4	2	18
AW-Aquatic	AW-Terrestrial	Bicentennial Park, Rockdale	328420.55	6239080	10	26% to 50%	3	3	0	3	1	0	3	0	4	2	18

Strathfield LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Strathfield GC-Cooks	321895.27	6249063.9	30	51% to 75%	3	4	2	3	0	2	1	0	3	3	21

Sutherland LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Oyster Bay, Sutherland	321593.22	6235947.4	30	6% to 25 %	2	3	2	3	0	0	3	0	4	3	20
AW-Terrestrial	AW-Aquatic	Captain Cook Oval, Woolooware GC	327976.57	6231888.8	40	6% to 25 %	2	4	3	3	0	0	2	0	4	3	21
AW-Terrestrial	AW-Aquatic	Captain Cook Oval, Woolooware GC	327963.33	6231842.1	80	6% to 25 %	2	4	3	3	0	0	2	0	4	3	21
AW-Terrestrial	AW-Aquatic	Captain Cook Oval, Woolooware GC	327905.93	6231866.7	40	26% to 50%	2	4	3	3	0	0	2	0	4	3	21
AW-Aquatic	AW-Terrestrial	Oyster Bay, Sutherland	321619.68	6236005.1	8	6% to 25 %	2	3	2	3	0	0	3	0	4	3	20
AW-Aquatic	Null	Oyster Bay, Sutherland	321563.32	6235905.7	40	26% to 50%	2	3	2	3	0	0	3	0	4	4	21
AW-Aquatic	Null	Oyster Bay, Sutherland	321543.22	6235888.3	80	> 75%	2	3	2	3	0	0	3	0	4	4	21
AW-Aquatic	Null	Oyster Bay, Sutherland	321547.47	6235821.6	5	26% to 50%	2	3	2	3	0	0	3	0	4	3	20
AW-Aquatic	Null	Oyster Bay, Sutherland	321837.4	6235649.1	5	6% to 25 %	2	3	2	3	0	0	3	0	4	3	20
AW-Aquatic	Null	Oyster Bay, Sutherland	321918.56	6235524.9	5	6% to 25 %	2	3	2	3	0	0	3	0	4	3	20

Wollondilly LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Nepean River	291739.2955	6222531.357	4	6% to 25 %	4	2	2	0	0	0	2	0	4	2	16
AW-Aquatic	Null	Nepean River	291611.158	6222469.484	4	6% to 25 %	4	2	2	0	0	0	2	0	4	2	16
AW-Aquatic	Null	Nepean River	291865.0876	6222452.236	4	6% to 25 %	4	2	2	0	0	0	2	0	4	2	16
AW-Aquatic	Null	Nepean River	292948.1022	6222326.678	5	26% to 50%	4	3	1	0	0	1	2	0	4	3	18
AW-Aquatic	Null	Nepean River	291467.7695	6224672.527	8	26% to 50%	4	3	1	0	0	1	2	0	4	3	18
AW-Aquatic	AW-Terrestrial	Nepean River	279347.0846	6250538.209	25	26% to 50%	4	1	2	2	0	1	0	0	4	4	18
AW-Aquatic	AW-Terrestrial	Nepean River	279663.0344	6250583.227	80	26% to 50%	4	1	2	2	0	1	0	0	4	4	18
AW-Aquatic	AW-Terrestrial	Nepean River	279896.5159	6250676.521	40	26% to 50%	4	1	2	2	0	1	0	0	4	4	18
AW-Aquatic	AW-Terrestrial	Nepean River	279554.109	6250629.957	100	51% to 75%	4	2	2	2	0	2	1	0	4	4	21
AW-Aquatic	AW-Terrestrial	Nepean River	279343.9912	6250591.125	100	51% to 75%	4	2	2	2	0	2	1	0	4	4	21
AW-Aquatic	Null	Nepean River	280641.9731	6250640.454	10	26% to 50%	4	1	2	2	1	1	0	0	4	3	18
AW-Aquatic	Null	Nepean River	281646.5672	6248442.624	25	26% to 50%	4	1	2	2	1	1	0	0	4	3	18
AW-Aquatic	Null	Nepean River	281735.3749	6248739.843	20	26% to 50%	4	1	2	2	1	1	0	0	4	3	18
AW-Aquatic	Null	Nepean River	281684.1616	6249161.612	40	26% to 50%	4	1	2	2	1	1	0	0	4	3	18
AW-Aquatic	Null	Nepean River	281637.5919	6249504.009	25	26% to 50%	4	1	2	2	1	1	0	0	4	3	18

Wollondilly LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Nepean River	281569.2073	6249765.487	16	26% to 50%	4	1	2	2	1	1	0	0	4	3	18
AW-Aquatic	Null	Nepean River	281415.2642	6250128.155	10	26% to 50%	4	1	2	2	1	1	0	0	4	3	18
AW-Aquatic	Null	Nepean River	281219.5653	6251205.175	12	26% to 50%	4	1	2	2	1	1	0	0	4	3	18
AW-Aquatic	Null	Nepean River	281504.2435	6250876.694	20	26% to 50%	4	1	2	2	1	1	0	0	4	3	18
AW-Aquatic	Null	Nepean River	280375.8497	6250651.445	40	26% to 50%	4	1	2	2	1	1	0	0	4	3	18
AW-Aquatic	Null	Nepean River	280164.1876	6250639.072	25	26% to 50%	4	1	2	2	1	1	0	0	4	3	18
AW-Aquatic	Null	Nepean River	281504.079	6250425.373	16	26% to 50%	4	1	2	2	1	1	0	0	4	3	18
AW-Aquatic	AW-Terrestrial	Warragamba River	279218.86	6250335.3	40	6% to 25 %	4	2	2	0	2	0	1	0	4	3	18
AW-Aquatic	AW-Terrestrial	Warragamba River (Dam Wall)	279024.71	6249347.5	80	<= 5%	4	2	2	0	2	0	1	0	4	3	18
AW-Aquatic	AW-Terrestrial	Warragamba River	279077.35	6249393.7	40	6% to 25 %	4	2	2	0	2	0	1	0	4	4	20
AW-Aquatic	AW-Terrestrial	Warragamba River	279130.65	6249612.1	40	26% to 50%	4	2	2	0	2	0	1	0	4	4	20
AW-Aquatic	AW-Terrestrial	Warragamba River	279181.61	6249892.7	40	26% to 50%	4	2	2	0	2	0	1	0	4	4	20
AW-Aquatic	AW-Terrestrial	Warragamba River	279209.68	6250092	40	26% to 50%	4	2	2	0	2	0	1	0	4	4	20

Appendix B – Risk Assessments- Hunter Region

Cessnock LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic		Branxton	346278.8954	6385853.054			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	345193.5619	6386256.514			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	345686.6018	6386066.578			3	2	2	0	0	2	2	1	4	4	21
AW-Aquatic		Branxton	344756.5553	6386801.584			3	2	2	0	0	2	2	1	4	4	20
AW-Aquatic		Branxton	345508.525	6385994.504			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	345421.5516	6386103.499			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	345403.6076	6386171.535			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	345403.6076	6386171.535			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	345374.5919	6386227.533			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	345347.5743	6386251.511			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	345315.5656	6386258.555			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	345294.5518	6386276.527			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	345220.5885	6386266.506			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	345193.5351	6386256.548			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	345165.5433	6386228.498			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	345144.5576	6386220.52			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	345105.5426	6386219.58			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	345018.5588	6386256.487			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	345057.5748	6386281.493			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	345014.6064	6386317.532			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	344973.5621	6386368.572			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	344967.5267	6386376.574			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	344962.6025	6386379.492			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	344916.5345	6386379.551			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic		Branxton	346002.2504	6386009.361			3	2	3	0	0	2	2	2	4	3	21
AW-Aquatic	AW-Terrestrial	Braxton	345959.0382	6386222.869	40	6% to 25 %	4	2	3	0	0	2	0	2	4	3	20
AW-Terrestrial	Null	Branxton	345916.3309	6386220.13	40	6% to 25 %	4	2	3	0	0	2	0	2	4	3	20
AW-Aquatic	AW-Terrestrial	Branxton	345982.0352	6386202.719	20	6% to 25 %	4	2	3	0	0	2	0	2	4	3	20
AW-Terrestrial	AW-Aquatic	Branxton	345981.9762	6386169.795	40	6% to 25 %	4	2	3	0	0	2	0	2	4	3	20
AW-Aquatic		Maitlandvale	360049.044	6386023.052			4	2	2	0	1	1	1	0	4	2	17

Cessnock LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic		Luskintyre Bridge, Lochinvar	353467.3092	6382554.471			4	2	2	0	1	1	1	0	4	2	17
AW-Aquatic		Luskintyre Bridge, Lochinvar	352975.9515	6382199.225			4	2	2	0	1	1	1	0	4	2	17

Gosford LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic		Erina Creek	352897.412	6300358.574			2	2	2	0	0	2	2	0	4	2	16
AW-Aquatic		North Narara	345836.5473	6304311.849			2	2	2	0	0	2	1	0	4	2	15
AW-Aquatic		Goonak Parade	346184.5177	6303767.808			2	2	2	0	0	2	3	0	4	2	21
AW-Aquatic		Carrington Street, Creek	345716.5905	6303087.779			2	2	2	0	0	2	3	0	4	2	17
AW-Aquatic		Narara Creek, Sensory Park	346304.5916	6302387.844			2	2	2	0	0	2	3	0	4	2	17
AW-Aquatic		Wyoming Creek, Chamberlain Rd	347426.6874	6303251.891			2	2	2	0	0	1	3	0	4	2	16
AW-Aquatic		Railway Line, branch Narara Ck	346764.5594	6304663.869			2	2	2	0	0	2	2	0	4	2	16
AW-Aquatic		Pacific Hwy	347728.5606	6304831.805			0	2	2	0	0	3	2	0	4	2	15
AW-Aquatic		Umina Beach, Ettalong Creek	342743.6175	6288494.827			2	2	2	0	0	2	1	0	4	2	15
AW-Aquatic		Woy Woy, Hillview Street	342324.5947	6292115.885			2	2	3	0	0	2	2	0	4	3	18
AW-Aquatic		Pacific Hwy, Parsons Rd, UBD 77, P3	348057.5157	6304882.78			2	2	3	0	0	2	2	0	4	2	17
AW-Aquatic		North Narara	345720.5843	6304424.797			0	3	2	0	0	2	2	0	4	2	15
AW-Aquatic		Wyoming Creek, Day Street	347230.9952	6303282.521			2	2	0	0	0	1	3	0	4	2	14
AW-Aquatic		Wyoming Creek, Alan Davidson Park	347075.363	6303113.103			2	2	0	0	0	1	3	0	4	2	14
AW-Aquatic		Wyoming Creek, Alan Davidson Park	346862.0236	6302935.509			2	2	0	0	0	1	3	0	4	2	14
AW-Aquatic		Wyoming Creek, Pacific Hwy	346541.882	6302774.364			2	2	0	0	0	1	3	0	4	2	14
AW-Aquatic		Wyoming Creek, U/S, UBD 78, C10	348070.1489	6303934.534			2	2	0	0	0	1	3	0	4	2	14
AW-Aquatic		North Narara	345534.1264	6304115.801			2	2	2	0	0	1	3	0	4	2	16
AW-Aquatic		North Narara	345662.3767	6304092.439			2	2	2	0	0	1	3	0	4	2	16
AW-Aquatic		Narara Creek	345799.7581	6304069.222			2	2	2	0	0	1	3	0	4	2	16

Gosford LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic		Narara Creek	345889.4761	6303979.911			2	2	2	0	0	1	3	0	4	2	16
AW-Aquatic		Narara Creek	345919.7015	6303802.542			2	2	2	0	0	1	3	0	4	2	16
AW-Aquatic		Narara Creek	345818.2344	6303673.89			2	2	2	0	0	1	3	0	4	2	16
AW-Aquatic		Narara Creek	345803.267	6303466.764			2	2	2	0	0	1	3	0	4	2	16
AW-Aquatic		Narara Creek	345692.9055	6303323.451			2	2	2	0	0	1	3	0	4	2	16
AW-Aquatic		Narara Creek	345740.1226	6303226.204			2	2	2	0	0	1	3	0	4	2	16
AW-Aquatic		Narara Creek	345832.8775	6303136.942			2	2	2	0	0	1	3	0	4	2	16
AW-Aquatic		Narara Creek	345898.2383	6303047.243			2	2	2	0	0	1	3	0	4	2	16
AW-Aquatic		Narara Creek	345936.2058	6302957.108			2	2	2	0	0	1	3	0	4	2	16
AW-Aquatic		Narara Creek	346013.1035	6302907.518			2	2	2	0	0	1	3	0	4	2	16
AW-Aquatic		Narara Creek	346125.7725	6302905.68			2	2	2	0	0	1	3	0	4	2	16
AW-Aquatic		Narara Creek	346239.8255	6302816.754			2	2	2	0	0	1	3	0	4	2	16
AW-Aquatic		Narara Creek	346367.4907	6302637.302			2	2	2	0	0	1	3	0	4	2	16
AW-Aquatic		Narara Ck, Paddy Clifton Oval	346362.6139	6302561.003			2	2	2	0	0	0	3	0	4	2	15
AW-Aquatic		Wingello Ck, Youth Reserve Corner	347861.9041	6302268.924			2	2	2	0	0	0	3	0	4	2	15
AW-Aquatic		Wingello Creek	347754.7594	6302307.163			2	2	2	0	0	0	3	0	4	2	15
AW-Aquatic		Wingello Creek	347605.8071	6302293.929			2	2	2	0	0	0	3	0	4	2	15
AW-Aquatic		Wingello Creek	347398.1731	6302334.211			2	2	2	0	0	0	3	0	4	2	15
AW-Aquatic		Wingello Creek	347112.2697	6302318.808			2	2	2	0	0	0	3	0	4	2	15
AW-Aquatic		Wingello Creek	346788.5823	6302382.649			2	2	2	0	0	0	3	0	4	2	15
AW-Aquatic		Erina High School	349633.6495	6298935.67			2	2	2	0	0	2	2	0	4	2	16
AW-Aquatic		Nunns Creek, Erina High School	349653.9921	6298801.693			2	2	2	0	0	2	2	0	4	2	16
AW-Aquatic		Fagans Bay, Drain	344694.5826	6300084.367			2	2	2	0	0	2	2	0	4	2	16

Lake Macquarie LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic		Frazer Creek, 163 J6	377011.4871	6347798.895			3	3	4	0	0	3	2	0	4	2	21
AW-Aquatic		Silverdale Pde, 163 L11	377163.9677	6346811.865			3	3	4	0	0	3	4	0	4	4	25
AW-Aquatic		Bean Street, Gateshead 153 M10	377581.0182	6350891.191			3	3	3	0	0	3	3	0	4	3	22
AW-Aquatic		Cambridge Dr, Tickhole Creek, Garden Suburbs, 143 E12	375932.4032	6354234.02			3	3	3	0	0	3	3	0	4	4	23
AW-Aquatic		Hillsborough, Winding Creek, 153 F3	375910.5919	6352456.489			3	3	3	0	0	3	3	0	4	3	22
AW-Aquatic		Off Jonathan Street, Eleebana, 152 N15	373956.3266	6349458.25			3	3	3	0	0	3	3	0	4	3	22
AW-Aquatic		Brush Creek, George Street, 142 G5	372354.0239	6356198.032			3	3	3	0	0	3	3	0	4	3	22
AW-Aquatic		Water course, Aruma Place, 142, J12	372842.6243	6354307.657			3	2	3	0	0	3	2	0	4	3	20
AW-Aquatic		Water course, Aruma Place, 142, J11	372698.6043	6354667.651			3	2	3	0	0	3	2	0	4	3	20
AW-Aquatic		Foreshore Gardens, Croudace Bay Park, 162 J6	373007.949	6347731.305			3	3	2	0	0	2	2	0	4	2	18
AW-Aquatic		Terrestrial site, dumping	354122.8196	6339380.235			0	3	4	0	0	4	3	0	4	3	21
AW-Aquatic		Armstrong Rd, Apollo Dr, 153 J8	376626.4905	6351518.638			3	2	2	0	0	2	2	0	4	2	17
AW-Aquatic		Kerri Close, Charlestown, 153 P11	378071.402	6350358.684			2	2	2	0	0	2	2	0	4	2	16
AW-Aquatic		Arnhem Close, Oakdale Rd, Gateshead, 163 N1	377819.4484	6349010.698			2	2	2	0	0	2	2	0	4	2	16
AW-Aquatic		Crockers Ck, Off Pacific Hwy, Windale, 163 L6	377175.4491	6347622.654			2	2	2	0	0	2	2	0	4	2	16
AW-Aquatic		Detention Basin, Gymea Drive, Garden Suburbs, 143 G14	376447.4507	6353658.655			3	4	4	0	4	2	4	0	4	4	29
AW-Aquatic		Between Cherry Rd & Jonathan St, Eleebana, 152 M15	373727.4249	6349430.712			3	2	2	0	0	2	2	0	4	2	17
AW-Aquatic		Minmi Road, Edgeworth, 142 B3	371250.4507	6356412.69			3	3	3	0	0	3	3	0	4	4	23
AW-Aquatic		Winding Creek, Fredrick Strret, 142 H7	372823.4722	6355394.629			3	2	3	0	0	3	3	0	4	4	23
AW-Aquatic		Dalmeny Dr, Macquarie Hills, 142 J15	373319.4579	6353730.681			3	2	3	0	0	3	3	0	4	4	23
AW-Aquatic		Neeguiba Park Reserve, Macquarie Hills, 142 K14	373384.9525	6353788.66			3	2	3	0	0	3	3	0	4	4	23
AW-Aquatic		Winding Creek, Merewether Street, Cardiff 142 P13	374250.4967	6354082.605			3	2	3	0	0	4	3	0	4	4	24
AW-Aquatic		Oakdale Rd, Nevin Close, Gateshead	377921.6767	6349196.915			3	0	3	1	0	0	0	0	4	2	22
AW-Aquatic		Armstrong Rd, Apollo Dr, 153 J8	376616.1266	6351444.818			3	1	2	0	0	2	1	0	4	2	15

Lake Macquarie LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic		Armstrong Rd, Apollo Dr, 153 J8	376606.3809	6351368.515			3	1	2	0	0	2	1	0	4	2	15
AW-Aquatic		Silverdale Pde, 163 L12	377267.3328	6346650.389			3	2	3	0	0	3	2	0	4	4	21
AW-Aquatic		Government Rd, Cardiff, 143 E13	375898.331	6353943.466			3	2	3	0	0	2	2	0	4	2	18
AW-Aquatic		Gymea Drive, Garden Suburbs, 143 F14	376102.3955	6353837.915			3	2	3	0	0	2	2	0	4	2	18
AW-Aquatic		Gymea Drive, Garden Suburbs, 143 F14	376312.713	6353713.591			3	2	3	0	0	2	2	0	4	2	18
AW-Aquatic		South Creek, Warners Bay, 152, P16	373958.6845	6349595.231			3	2	3	0	0	2	3	1	4	3	21
AW-Aquatic		South Creek, Warners Bay, 152, N16	373871.3734	6349597.683			3	2	3	0	0	2	3	1	4	3	21
AW-Aquatic		South Creek, Warners Bay, 152, M16	373813.7872	6349629.083			3	2	3	0	0	2	3	1	4	3	21
AW-Aquatic		Foreshore & Jetty, opp Valentine Bowling Club, 162 J8	372979.2463	6347333.74			2	4	0	0	0	0	4	0	4	1	15
AW-Aquatic		Winding Creek, Fredrick Strret, 142 H7	372738.0536	6355508.28			4	2	1	0	0	1	2	0	4	2	16
AW-Aquatic		Winding Creek, Fredrick Strret, 142 H7	372683.541	6355583.757			4	2	1	0	0	1	2	0	4	2	16

Maitland LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic		Berry Park, Drain/canal	375080.495	6376012.532			3	2	3	0	0	2	3	0	3	3	19
AW-Aquatic		Duckenfield Rd, UBD 53, E5	375600.4765	6376012.523			4	1	3	1	0	2	3	0	4	1	19
AW-Aquatic		Duckenfield, UBD 31, L16	377285.4559	6377297.591			3	3	2	3	0	2	1	2	4	3	23
AW-Aquatic		Duckenfield, UBD 31, M14	377323.4503	6377802.585			3	3	2	3	0	2	1	2	4	3	23
AW-Aquatic		Duckenfield, UBD 31, M14	377360.4128	6377784.524			3	3	2	3	0	2	1	2	4	3	23
AW-Aquatic		Duckenfield, UBD 31, M14, Scotch Creek	377455.4242	6377467.57			3	3	2	3	0	2	1	2	4	3	23
AW-Aquatic		Hunter River	372446.5711	6378979.393			4	4	0	1	3	0	0	2	4	2	20
AW-Aquatic		Hunter River	372750.4153	6379012.565			4	3	0	0	4	0	0	2	4	3	20
AW-Aquatic		Hunter River	370000.4426	6379262.598			4	3	1	2	2	0	2	0	4	2	20

Maitland LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic		Hunter River	368999.5168	6379131.573			4	3	0	2	3	0	0	2	4	2	20
AW-Aquatic		Hunter River	368971.5121	6379115.568			4	3	0	2	3	0	0	2	4	2	20
AW-Aquatic		Hunter River	381100.428	6373512.571			4	3	0	2	2	2	0	0	4	2	19
AW-Aquatic		Hunter River	367900.4455	6378762.505			4	3	0	3	2	2	0	2	4	1	21
AW-Aquatic		Hunter River	368500.4489	6378812.605			4	3	0	3	2	2	0	2	4	1	21
AW-Aquatic		Hunter River	369000.5112	6379212.534			4	3	0	3	2	2	0	2	4	1	21
AW-Aquatic		Hunter River	369500.4307	6379162.562			4	3	0	3	2	2	0	2	4	1	21
AW-Aquatic		Hunter River	370000.4442	6379312.608			4	3	0	3	2	2	0	2	4	1	21
AW-Aquatic		Hunter River	370250.4339	6379012.599			4	3	0	3	2	2	0	2	4	1	21
AW-Aquatic		Hunter River	370800.4617	6378762.511			4	3	0	3	2	2	0	2	4	1	21
AW-Aquatic		Hunter River	371000.4394	6378362.589			1	3	0	3	2	2	0	2	4	1	21
AW-Aquatic		Hunter River	372000.4243	6378612.606			4	3	0	3	2	2	0	2	4	1	21
AW-Aquatic		Hunter River	372500.47	6378862.546			4	3	0	3	2	2	0	2	4	1	21
AW-Aquatic		Hunter River	372409.4247	6378835.54			4	3	0	3	2	2	0	2	4	1	21
AW-Aquatic		Hunter River	370597.444	6378840.593			4	3	0	3	2	2	0	2	4	1	21
AW-Aquatic		Hunter River	368599.5103	6379019.503			4	3	0	3	2	2	0	2	4	1	21
AW-Aquatic		Hunter River	370458.5099	6378985.597			4	3	0	3	2	2	0	2	4	2	22
AW-Aquatic		Hunter River	382237.4248	6374719.574			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Hunter River	382232.4502	6374704.546			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Hunter River	380433.4537	6375514.533			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Hunter River	380333.4152	6376560.619			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Hunter River	380392.4133	6376641.61			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Hunter River	380458.4607	6376806.513			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Hunter River	376267.4904	6377477.561			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Hunter River	376338.4288	6377094.561			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Hunter River	375813.4243	6376465.607			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Hunter River	372747.4402	6379054.553			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Hunter River	372757.4613	6379062.554			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Hunter River	372758.4241	6379060.571			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Hunter River	372767.4569	6379072.551			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Hunter River	372908.4872	6379178.59			4	3	0	3	3	2	0	3	2	1	21

Maitland LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic		Hunter River	380443.4795	6375514.543			4	3	0	3	3	2	0	3	2	1	21
AW-Aquatic		Hunter River	368971.4316	6379114.569			4	3	0	3	3	2	0	3	2	1	21
AW-Aquatic		Morpeth STP adjacent	373368.714	6376704.387			1	2	2	0	0	3	1	0	4	3	16
AW-Aquatic		Morpeth, drain	371517.4932	6378309.525			3	1	3	0	0	2	3	0	4	2	18
AW-Aquatic		Off Dunmore Rd, Largs, UBD 21, J13	368973.4992	6382221.566			2	2	3	0	0	2	3	1	4	3	20
AW-Aquatic		Off Dunmore Rd, Largs, UBD 21, J13	368916.5133	6382212.498			4	0	3	0	0	2	2	4	2	3	20
AW-Aquatic		Patterson River	369000.4418	6383137.52			4	3	0	3	2	2	0	2	4	1	21
AW-Aquatic		Patterson River	372904.4417	6379311.602			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	373096.4261	6379362.513			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	373130.4332	6379870.584			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	373086.4454	6380180.503			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	372752.4852	6380563.557			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	372626.4438	6380610.511			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	372442.5047	6380639.532			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	372398.4709	6380644.511			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	372356.4736	6380651.512			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	372345.4226	6380650.594			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	372336.4393	6380656.577			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	372314.4378	6380661.506			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	372300.4681	6380661.548			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	372301.4312	6380659.565			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	372288.5108	6380665.497			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	372276.4968	6380666.563			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	372121.4475	6380701.605			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	372008.4516	6380732.529			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	371871.4615	6380755.602			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	371299.4372	6380410.56			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	371299.4276	6380418.544			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	371276.444	6380477.571			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	371276.4472	6380484.557			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	370887.431	6381151.596			4	3	0	3	3	2	0	1	4	1	21

Maitland LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic		Patterson River	370779.5154	6381216.504			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	370500.4744	6381361.572			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	370485.5039	6381373.574			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	370348.4865	6381469.59			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	370207.4854	6381633.527			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369965.4674	6381842.602			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369883.5106	6381821.57			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369648.4551	6381913.521			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369634.4835	6381913.56			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369625.4729	6382071.567			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369626.4539	6382082.558			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369643.4767	6382164.505			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369664.4848	6382321.575			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369629.4848	6382473.587			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369589.4816	6382556.56			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369583.471	6382571.562			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369559.5041	6382611.5			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369536.5014	6382656.551			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369519.5108	6382686.489			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369462.5072	6382778.554			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369321.4801	6382970.533			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369205.4739	6383056.498			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368978.4984	6383201.546			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368916.459	6383212.593			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368971.4867	6383235.496			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368968.4734	6383243.551			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368968.4769	6383257.523			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368982.4973	6383289.532			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369019.4301	6383333.487			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369057.4966	6383362.597			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369098.4447	6383386.533			4	3	0	3	3	2	0	1	4	1	21

Maitland LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic		Patterson River	369266.4685	6383374.549			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369367.4997	6383793.589			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369191.514	6384032.567			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	369122.4896	6384039.532			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368657.4514	6384213.486			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368574.4639	6384297.551			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368384.4451	6384595.545			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368360.482	6384634.482			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368343.4436	6384667.523			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368245.5216	6384823.577			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368239.4681	6384841.571			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368228.4877	6384884.561			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368222.45	6384915.53			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368212.5093	6384922.495			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368147.4726	6385392.573			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368141.4463	6385415.558			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	367965.4941	6385732.582			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	367969.4533	6385773.552			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	367988.4977	6385879.481			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	367991.4328	6385884.51			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368293.5143	6386307.554			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368794.4678	6386512.545			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368762.5149	6387150.5			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	371900.4452	6380754.534			4	3	0	3	3	2	0	1	4	1	21
AW-Aquatic		Patterson River	368973.4522	6383221.55			4	3	0	3	3	2	0	3	2	1	21
AW-Aquatic		Patterson River	368343.4951	6384656.546			4	3	0	3	3	2	0	3	2	1	21
AW-Aquatic		Queens Wharf, Morpeth	370599.4592	6378412.594			3	3	2	0	2	0	2	0	4	2	18
AW-Aquatic		Queens Wharf, Morpeth	370584.487	6378482.591			3	2	2	0	2	0	2	0	4	2	18
AW-Aquatic		Raymond Terrace Rd, Thornton	371306.4463	6373671.137			0	0	4	0	0	4	3	0	4	2	13
AW-Aquatic		Somerset Park, Thornton	373000.4834	6371812.557			3	2	3	0	0	2	2	0	3	4	19
AW-Aquatic		Tarro Swamp, Woodberry	375250.4352	6370262.564			2	2	3	0	0	3	3	0	3	3	19

Maitland LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic		Woodberry Road	375598.1038	6370498.801			1	2	2	0	0	2	2	2	4	4	19
AW-Terrestrial	Null	Woodberry, vast five ha	375757.2461	6370061.932	20000	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Aquatic	Null	Woodberry, vast drain 50 m	375763.8885	6370086.175	1000	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Aquatic	AW-Terrestrial	Woodberry	376706.749	6371165.824	20	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Terrestrial	Null	Woodberry	376492.0634	6371488.223	10	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Aquatic	Null	Woodberry	376765.6533	6371946.387	10	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Aquatic	Null	Woodberry	376772.4854	6371943.424	40	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Aquatic	Null	Woodberry	376764.1187	6371903.055	40	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Terrestrial	Null	Woodberry	376750.094	6371856.554	40	6% to 25 %	2	0	3	0	0	3	3	2	2	4	19
AW-Aquatic	Null	Woodberry drain	376720.7429	6370938.634	40	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Aquatic	Null	Woodberry Rd, Drain, 75 D14	375634.4407	6370093.719	100	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Aquatic	AW-Terrestrial	Woodberry Rd, Vast 2000, 75 D15	375527.3687	6369749.828	2000	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Aquatic	AW-Terrestrial	Woodberry Rd, Vast 2000, 75 D15	375501.4191	6369669.004	2000	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Terrestrial	Null	Woodberry Rd, Vast 2000, 75 D15	375600.4898	6369975.489	5000	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Terrestrial	Null	Woodberry Rd, Vast 2000, 75 D15	375606.5905	6369996.828	5000	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Aquatic	AW-Terrestrial	Woodberry Rd, Vast 5000, 75 D15	375518.0707	6369725.18	5000	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Aquatic	AW-Terrestrial	Woodberry Rd, Woodberry,BW	375646.2386	6370542.133	8000	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Aquatic	AW-Terrestrial	Woodberry, 300 m drain along pipe line	376513.8585	6372437.018	1000	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Terrestrial	Null	Woodberry, padock 100 m	376483.1868	6371495.393	1000	6% to 25 %	2	0	3	0	0	3	3	2	2	4	19
AW-Aquatic	AW-Terrestrial	Woodberry, prroperty infested	376470.5836	6372513.725	40	6% to 25 %	2	0	3	0	0	3	3	2	2	4	19
AW-Aquatic	AW-Terrestrial	Woodberry, prroperty infested	376443.7641	6372613.073	10000	6% to 25 %	2	0	3	0	0	3	3	2	2	4	19
AW-Aquatic	AW-Terrestrial	Woodberry, prroperty infested	376448.4753	6372635.206	10000	6% to 25 %	2	0	3	0	0	3	3	2	2	4	19
AW-Aquatic	Null	Woodberry, prroperty infested	376382.1877	6372757.978	40	6% to 25 %	2	0	3	0	0	3	3	2	2	4	19
AW-Terrestrial	Null	Woodberry, prroperty infested	376185.0646	6372844.408	10000	6% to 25 %	2	0	3	0	0	3	3	2	2	4	19
AW-Terrestrial	Null	Woodberry, prroperty infested	376215.4438	6373018.455	10000	6% to 25 %	2	0	3	0	0	3	3	2	2	4	19
AW-Aquatic	AW-Terrestrial	Woodberry, prroperty infested	376190.9024	6373634.997	20000	6% to 25 %	2	0	3	0	0	3	3	2	2	4	19
AW-Aquatic	Null	Woodberry, prroperty infested	376213.8328	6374757.002	1000	6% to 25 %	2	0	3	0	0	3	3	2	2	4	19
AW-Aquatic	AW-Terrestrial	Woodberry, vast 2 ha	375647.7142	6370390.918	8000	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Terrestrial	Null	Woodberry, vast five acres	375805.9004	6370164.113	20000	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Terrestrial	Null	Woodberry, vast five acres	375806.1511	6370157.088	20000	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Aquatic	AW-Terrestrial	Woodberry, vast five acres	375713.7425	6369978.653	20000	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18

Maitland LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	AW-Terrestrial	Woodberry, vast five acres	375684.5945	6369919.804	20000	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Aquatic	AW-Terrestrial	Woodberry, vast five acres	375635.4639	6370391.945	1000	6% to 25 %	2	0	3	0	0	3	3	1	2	4	18
AW-Aquatic	AW-Terrestrial	Woodberry, vast five acres	375650.8937	6370666.739	20000	6% to 25 %	2	0	3	0	0	3	3	2	2	4	19
AW-Terrestrial	Null	Woodberry, vast five acres	375640.1362	6370665.268	1000	6% to 25 %	2	0	3	0	0	3	3	2	2	4	19

Newcastle LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Terrestrial	Null	Boat club 100 m 20 m water tidal	372248.2454	6355879.38	100	26% to 50%	3	3	2	0	2	1	0	0	4	2	17
AW-Aquatic	Null	Dark creek; Sandgate Rd	376811.7936	6359620.936	40	26% to 50%	3	1	2	1	1	1	1	0	4	3	18
AW-Aquatic	Null	Draim treated; Minmi Rd	375869.9589	6359614.734	20	26% to 50%	3	1	3	0	0	2	0	0	4	4	17
AW-Aquatic		Ironbark Creek, Shortland	375967.4255	6360654.67	0		2	1	1	0	0	2	1	0	2	4	13
AW-Aquatic		Ironbark Creek, Shortland	376503.4214	6361710.609	0		2	3	1	0	0	2	1	0	2	4	15
AW-Aquatic		Ironbark Creek, Wallsend	375411.4943	6357202.586	0		3	1	2	1	0	1	2	0	4	2	15
AW-Aquatic		Ironbark Creek, Wallsend	375323.4932	6358318.677	0		3	1	2	1	0	1	2	0	4	2	16
AW-Aquatic		Ironbark Marsh, Shortland	377493.3992	6362442.599	0		2	3	2	1	0	1	2	0	4	3	18
AW-Aquatic	Null	Ironbark Bridge	375900.3379	6359605.489	40	26% to 50%	3	1	2	1	1	1	0	0	4	3	16
AW-Aquatic	Null	Ironbark Bridge	372937.8304	6355595.317	40	26% to 50%	3	1	2	1	1	1	0	0	4	3	16
AW-Aquatic	Null	Ironbark Bridge, Minmi Rd	375900.3343	6359577.096	20	26% to 50%	3	2	2	1	1	1	0	1	4	3	18
AW-Terrestrial	Null	Ironbark Creel-Pipeline	377057.1935	6362358.327	40	>75%	3	2	2	1	2	1	0	0	4	3	18
AW-Terrestrial	Null	Ironbark Creel-Pipeline	377032.3369	6362304.168	40	>75%	3	2	2	1	2	1	0	0	4	3	18
AW-Terrestrial	Null	Ironbark Creel-Pipeline; 100 m	376606.3263	6361288.716	100	26% to 50%	3	1	2	1	0	1	2	0	4	3	17
AW-Aquatic	Null	Ironbark Creel-Pipeline; treated	376706.8798	6361919.792	40	>75%	3	1	2	1	0	1	2	0	4	3	17
AW-Aquatic	Null	Ironbark Creel-Pipeline; treated	376702.6418	6361906.242	100	26% to 50%	3	1	2	1	0	1	2	0	4	3	17
AW-Terrestrial	Null	Minmi Rd, 200 m develop property	375919.0991	6359551.093	100	26% to 50%	2	1	3	0	0	2	2	1	4	4	19
AW-Terrestrial	AW-Aquatic	Minmi Road; vast one ha	376178.0187	6359468.276	10000	26% to 50%	2	1	3	0	0	2	2	1	4	4	19
AW-Terrestrial	AW-Terrestrial	Minmi Road; vast one ha	376193.7951	6359531.499	10000	26% to 50%	2	1	3	0	0	2	2	1	4	4	19
AW-Terrestrial	Null	Minmi Road; vast one ha; trial site	376149.0121	6359685.778	10000	>75%	2	1	3	0	0	2	2	1	4	4	19
AW-Aquatic	AW-Terrestrial	Pipe line	377128.8319	6362391.791	40	6% to 25 %	2	1	3	0	0	1	2	0	4	3	16

AW-Terrestrial	Null	Pipe line	377080.5365	6362352.303	40	6% to 25 %	2	1	3	0	0	1	2	0	4	3	16
AW-Terrestrial	Null	Shortland STP	376186.8051	6361283.94	30000	~10%	2	1	3	0	0	3	0	0	4	4	17
AW-Terrestrial	Null	Shortland STP	376178.4516	6361287.568	30000	~10%	2	1	3	0	0	3	0	0	4	4	17
AW-Aquatic		Shortland STP	376595.4853	6360678.622	40	6-25%	2	1	3	0	0	3	0	0	4	4	17
AW-Aquatic		Shortland STP	376500.4051	6360762.594	40	6-25%	2	1	3	0	0	3	0	0	4	4	17
AW-Aquatic	Null	Shortland Wetland Centre	377894.0334	6361753.908	14	26% to 50%	2	3	2	1	0	1	2	0	4	3	18
AW-Aquatic	Null	Shortland Wetland Centre	377886.7295	6361772.623	100	26% to 50%	2	3	2	1	0	1	2	0	4	4	18
AW-Aquatic	Null	Shortland Wetland Centre	377866.1019	6361736.577	40	6% to 25 %	2	3	2	1	0	1	2	0	4	4	18
AW-Aquatic	Null	Shortland Wetland Centre	377817.3379	6361700.516	40	6% to 25 %	2	3	2	1	0	1	2	0	4	4	18
AW-Aquatic	Null	Shortland Wetland Centre	377798.0423	6361874.412	40	6% to 25 %	2	3	2	1	0	1	2	0	4	4	18
AW-Aquatic	Null	Shortland Wetland Centre	377868.1361	6361912.168	30	6% to 25 %	2	3	2	1	0	1	2	0	4	4	18
AW-Aquatic	Null	Shortland Wetland Centre	377918.3143	6361908.008	40	6% to 25 %	2	3	2	1	0	1	2	0	4	4	18
AW-Aquatic	Null	Shortland Wetland Centre	377920.5619	6361899.219	40	6% to 25 %	2	3	2	1	0	1	2	0	4	4	18
AW-Aquatic	Null	Shortland Wetland Centre	377958.4319	6361904.19	15	6% to 25 %	2	3	2	1	0	1	2	0	4	4	18
AW-Aquatic	Null	Shortland Wetland Centre	377895.2602	6361720.459	12	6% to 25 %	2	3	2	1	0	1	2	0	4	4	18
AW-Aquatic		Shortland Wetlands Centre	377947.4777	6361538.618	20		2	3	2	1	0	1	2	0	4	4	20
AW-Aquatic		Wallsend	375795.4303	6359378.625	20		3	2	2	1	1	1	1	0	4	3	18
AW-Aquatic		Winding Creek	374011.376	6355034.898	40	26% to 50%	3	2	2	0	0	2	0	0	4	3	16

Port Stephens LGA

PSC Id	Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW0310	AW-Terrestrial	AW-Aquatic	Anna Bay	414013.0299	6372993.059		3	2	4	0	0	0	4	0	4	3	20
AW0311	AW-Terrestrial	AW-Aquatic	Anna Bay	414011.2839	6372768.071		3	1	4	0	0	0	4	0	4	3	19
AW0312	AW-Terrestrial	AW-Aquatic	Anna Bay	413967.0177	6372994.189		3	1	2	0	0	0	4	0	4	3	17
AW0313	AW-Terrestrial	AW-Aquatic	Anna Bay	413964.7337	6373062.132		3	1	4	0	0	0	4	0	4	3	19
AW0314	AW-Terrestrial	AW-Aquatic	Anna Bay	412522.7387	6374240.644		3	1	3	0	0	0	4	0	4	4	19
AW0315	AW-Terrestrial	AW-Aquatic	Anna Bay	412542.0449	6374382.982		3	1	3	0	0	0	4	0	4	4	19
AW0316	AW-Terrestrial	Null	Anna Bay	412523.3023	6374316.641		3	1	3	0	0	0	3	1	4	4	19
AW0346	AW-Terrestrial	Null	Anna Bay	414219.5281	6373281.905		3	2	3	2	0	1	3	0	1	3	18
AW0220	AW-Aquatic	Null	Anna Bay, Fern Tree drain	413975.9371	6372998.356		4	0	4	3	0	0	4	4	2	4	25
AW0221	AW-Aquatic	Null	Anna Bay, Fern Tree drain	413871.5637	6373495.285		4	0	4	3	0	0	4	4	2	4	25
AW0222	AW-Aquatic	Null	Anna Bay, Fern Tree drain	412587.2817	6374475.819		3	1	4	0	0	1	4	1	2	4	20
AW0007	AW-Aquatic	Null	Balickera Drain	386617.7161	6385552.267		4	0	2	4	0	0	3	0	4	3	20
AW0008	AW-Aquatic	Null	Balickera Drain	386019.9932	6385645.997		4	0	2	4	0	0	3	0	4	3	20

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PSC Id	Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW0009	AW-Aquatic	Null	Balickera Drain	384347.4318	6385469.491		4	0	2	4	0	0	3	0	4	3	20
AW0010	AW-Aquatic	Null	Balickera Drain	383345.012	6385176.619		4	0	2	4	0	0	3	0	4	3	20
AW0011	AW-Aquatic	Null	Balickera Drain	383857.616	6385408.265		4	0	2	4	0	0	3	0	4	3	20
AW0012	AW-Aquatic	Null	Balickera Drain	385622.1666	6385797.49		4	0	2	4	0	0	3	0	4	3	20
AW0013	AW-Aquatic	Null	Balickera Drain	386393.9277	6385648.043		4	0	2	4	0	0	3	0	4	3	20
AW0158	AW-Aquatic	Null	Balickera Drain	384344.207	6385481.43		4	0	2	4	0	0	4	1	4	3	22
AW0159	AW-Aquatic	Null	Balickera Drain	383936.6006	6385355.757		4	0	2	4	0	0	4	1	4	3	22
AW0160	AW-Aquatic	Null	Balickera Drain	383903.9158	6385339.142		4	0	2	4	0	0	4	1	4	3	22
AW0161	AW-Aquatic	Null	Balickera Drain	383859.4645	6385416.299		4	0	2	4	0	0	4	1	4	3	22
AW0162	AW-Aquatic	Null	Balickera Drain	384109.6442	6385459.011		4	0	2	4	0	0	4	0	4	3	22
AW0163	AW-Aquatic	Null	Balickera Drain	384572.7748	6385609.729		4	0	2	4	0	0	4	0	4	3	22
AW0164	AW-Aquatic	Null	Balickera Drain	384584.5814	6385619.95		4	0	2	4	0	0	4	0	4	3	22
AW0331	AW-Aquatic	Null	Balickera Drain	389298.4106	6383434.964		4	1	4	4	0	0	0	0	4	3	20
AW0351	AW-Aquatic	Null	Balickera Drain	383555.3056	6385319.573		3	1	3	0	0	2	3	0	4	4	20
AW0352	AW-Aquatic	Null	Balickera Drain	383849.3946	6385473.106		3	1	3	0	0	2	3	0	4	4	20
AW0353	AW-Aquatic	Null	Balickera Drain	384001.002	6385864.939		4	1	3	0	0	2	3	0	4	4	20
AW0360	AW-Aquatic	Null	Balickera Drain	387127.8104	6385279.9		4	1	4	4	0	0	0	2	4	4	23
AW0165	AW-Aquatic	Null	Barties Creek, McClement Swamp	376219.2559	6379770.473		4	4	1	1	1	0	4	0	4	2	21
AW0344	AW-Terrestrial	Null	Bobs Farm	407816.6679	6374183.713		3	1	4	0	0	0	0	1	3	4	16
AW0345	AW-Terrestrial	Null	Bobs Farm	407827.01	6374588.839		3	1	4	0	0	0	0	1	3	4	16
AW0350	AW-Terrestrial	Null	Bobs Farm, Kandlebinder's drain	407761.3483	6374518.61		3	0	4	0	0	0	0	1	3	4	15
AW0142	AW-Terrestrial	Null	Bobs Farm, Nelson Bay Rd	407668.483	6374141.919		2	2	4	0	0	0	2	0	4	2	16
AW0066	AW-Terrestrial	Null	Butterwick Rd, Woodville	371143.1259	6384659.682		4	1	3	0	0	2	2	0	4	4	20
AW0068	AW-Terrestrial	Null	Butterwick Rd, Woodville	370405.5579	6384636.782		4	1	3	0	0	2	2	0	4	4	20
AW0359	AW-Terrestrial	Null	Cabbage Tree Rd	391153.2179	6368665.319		3	1	3	0	0	2	0	2	4	3	18
AW0294	AW-Terrestrial	Null	Cabbage Tree Rd, Williamtown	391106.9473	6368468.462		3	3	3	0	0	0	3	0	3	3	19
AW0128	AW-Aquatic	Null	Campvale Drain	393286.9372	6376497.887		4	2	3	0	0	2	2	0	4	3	20
AW0129	AW-Aquatic	Null	Campvale Drain	390921.6694	6374089.438		4	2	3	0	0	2	2	0	4	3	20
AW0130	AW-Aquatic	Null	Campvale Drain	391118.3309	6374265.138		4	2	3	0	0	2	2	0	4	3	20
AW0131	AW-Aquatic	Null	Campvale Drain	393148.5362	6376096.314		4	2	3	0	0	2	2	0	4	3	20
AW0132	AW-Aquatic	Null	Campvale Drain	391367.6691	6374351.842		4	2	3	0	0	2	2	0	4	3	20

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PSC Id	Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW0133	AW-Aquatic	Null	Campvale Drain	391276.1261	6374328.114		4	2	3	0	0	2	2	0	4	3	20
AW0223	AW-Aquatic	Null	Campvale Drain	392985.8574	6375127.341		4	1	4	4	0	0	3	1	4	3	24
AW0224	AW-Aquatic	Null	Campvale Drain	392794.556	6374826.757		4	1	4	4	0	0	3	1	4	3	24
AW0225	AW-Aquatic	Null	Campvale Drain	392836.2157	6374844.542		4	1	4	4	0	0	3	1	4	3	24
AW0226	AW-Aquatic	Null	Campvale Drain	391346.9997	6374334.453		4	1	4	4	0	0	3	1	4	3	24
AW0227	AW-Aquatic	Null	Campvale Drain	391259.4926	6374308.802		4	1	4	4	0	0	3	1	4	3	24
AW0228	AW-Aquatic	Null	Campvale Drain	391135.3233	6374265.459		4	1	4	4	0	0	3	1	4	4	25
AW0138	AW-Aquatic	Null	Campvale Drain, Medowie	393287.9556	6376496.906		4	2	4	0	0	2	2	0	4	2	20
AW0206	AW-Terrestrial	Null	Clarencetown Rd, Woodville	370407.1804	6384656.812		4	0	4	4	0	0	1	4	4	3	24
AW0207	AW-Terrestrial	Null	Clarencetown Rd, Woodville	370039.6483	6384578.886		4	0	4	4	0	0	1	4	4	3	24
AW0208	AW-Terrestrial	Null	Clarencetown Rd, Woodville	370330.7351	6384627.372		4	0	4	4	0	0	1	4	4	3	24
AW0209	AW-Terrestrial	AW-Aquatic	Clarencetown Rd, Woodville	370328.8677	6384620.336		4	0	4	4	0	0	1	4	4	3	24
AW0210	AW-Terrestrial	AW-Aquatic	Clarencetown Rd, Woodville	370483.6998	6384629.254		4	0	4	4	0	0	1	4	4	3	24
AW0211	AW-Terrestrial	AW-Aquatic	Clarencetown Rd, Woodville	370745.0383	6384505.18		4	0	4	4	0	0	1	4	4	3	24
AW0212	AW-Terrestrial	AW-Aquatic	Clarencetown Rd, Woodville	370899.9654	6384562.1		4	0	4	4	0	0	1	4	4	3	24
AW0215	AW-Terrestrial	Null	Clarencetown Rd, Woodville	370234.0332	6384611.549		4	0	4	4	0	0	1	4	4	3	24
AW0216	AW-Terrestrial	Null	Clarencetown Rd, Woodville	370288.8253	6384622.582		4	0	4	4	0	0	1	4	4	3	24
AW0041	AW-Terrestrial	Null	Clarenstown Rd, Woodville	370038.4979	6384586.864		4	2	3	0	1	1	0	1	4	4	20
AW0042	AW-Terrestrial	Null	Clarenstown Rd, Woodville	370292.7109	6384628.655		4	2	3	0	1	1	0	1	4	4	20
AW0044	AW-Aquatic	Null	Clarenstown Rd, Woodville	370306.6495	6384631.918		4	2	3	0	1	1	0	1	4	4	20
AW0045	AW-Aquatic	Null	Clarenstown Rd, Woodville	370222.924	6384617.34		4	2	3	0	1	1	0	1	4	4	20
AW0069	AW-Terrestrial	Null	Clarenstown Rd, Woodville	370429.719	6384628.237		4	1	3	0	0	2	2	0	4	4	20
AW0070	AW-Terrestrial	Null	Clarenstown Rd, Woodville	370462.7826	6384624.86		4	1	3	0	0	2	2	0	4	4	20
AW0082	AW-Terrestrial	Null	Clarenstown Rd, Woodville	370513.1532	6383172.808		4	1	2	0	0	2	0	1	4	2	16
AW0083	AW-Terrestrial	Null	Clarenstown Rd, Woodville	369913.6117	6383254.506		4	1	2	0	0	2	0	1	4	2	16
AW0084	AW-Terrestrial	Null	Clarenstown Rd, Woodville	370680.4028	6384591.962		4	2	4	0	0	2	0	0	4	4	20
AW0189	AW-Terrestrial	Null	Fullerton Cove	387971.9866	6363885.494		2	1	3	0	0	2	4	0	2	4	18
AW0295	AW-Terrestrial	AW-Aquatic	Fullerton Cove	388327.0236	6364885.141		3	2	2	0	0	1	3	2	2	4	19
AW0333	AW-Terrestrial	AW-Aquatic	Fullerton Cove	384982.5333	6365715.745		3	1	4	0	0	0	4	0	2	4	18
AW0361	AW-Terrestrial	AW-Aquatic	Fullerton Cove	388852.6504	6363741.19		2	2	4	0	0	3	0	1	4	4	17
AW0362	AW-Terrestrial	AW-Aquatic	Fullerton Cove	388836.2529	6363603.89		2	1	4	0	0	3	4	1	4	3	22

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PSC Id	Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW0363	AW-Terrestrial	AW-Aquatic	Fullerton Cove	388705.316	6363284.435		2	2	4	0	0	3	0	1	4	4	20
AW0365	AW-Terrestrial	AW-Aquatic	Fullerton Cove	388514.0754	6363825.768		2	1	4	0	0	3	3	1	4	4	22
AW0366	AW-Terrestrial	AW-Aquatic	Fullerton Cove	388455.1581	6363821.653		2	1	4	0	0	3	3	1	4	4	22
AW0367	AW-Terrestrial	AW-Aquatic	Fullerton Cove	388338.005	6363777.437		2	1	4	0	0	3	3	1	4	4	22
AW0368	AW-Terrestrial	AW-Aquatic	Fullerton Cove	388263.852	6363733.035		2	1	4	0	0	3	3	1	4	4	22
AW0369	AW-Terrestrial	AW-Aquatic	Fullerton Cove	388081.1782	6363716.576		2	1	4	0	0	3	3	1	4	4	22
AW0298	AW-Terrestrial	Null	Fullerton Cove Road	390089.4744	6365698.45		3	2	4	0	0	0	3	0	2	4	18
AW0341	AW-Terrestrial	Null	Fullerton Cove Road	391443.7383	6366839.988		3	1	3	0	0	0	3	1	2	4	17
AW0342	AW-Terrestrial	Null	Fullerton Cove Road	391421.7575	6366997.557		3	1	3	0	0	0	3	1	2	4	17
AW0364	AW-Terrestrial	Null	Fullerton Cove, Nelson Bay Rd	388184.0983	6363931.509		2	1	4	0	0	2	3	1	4	4	21
AW0303	AW-Terrestrial	Null	Fullerton Cove, off Nelson Bay Rd	388232.0215	6363671.437		2	2	4	0	0	3	4	0	4	4	23
AW0191	AW-Terrestrial	Null	Fullerton trial site	391513.6496	6367161.281		3	4	3	0	0	1	4	0	2	4	21
AW0192	AW-Terrestrial	Null	Fullerton, dump site	391525.6789	6367212.504		2	1	4	0	0	4	4	0	1	4	20
AW0213	AW-Terrestrial	Null	Glen Urie Close, Woodville	370994.4982	6384586.881		4	0	4	4	0	0	1	4	4	3	24
AW0214	AW-Terrestrial	Null	Glen Urie Close, Woodville	371103.8561	6384620.942		4	0	4	4	0	0	1	4	4	3	24
AW0283	AW-Terrestrial	Null	Grahamstown	387914.2462	6364030.389		2	1	4	0	0	3	3	0	4	3	20
AW0329	AW-Terrestrial	Null	Grahamstown	389417.4206	6374585.97		4	2	2	0	0	1	1	0	4	3	17
AW0146	AW-Aquatic	Null	Grahamstown Dam	389672.8136	6374722.783		4	4	3	4	0	0	4	1	4	4	28
AW0121	AW-Terrestrial	Null	High street, Hinton	373474.2666	6380567.668		4	1	2	0	0	0	2	0	4	1	14
AW0122	AW-Terrestrial	Null	High Street, Hinton	373507.331	6380882.287		4	1	2	0	0	0	2	0	4	1	14
AW0114	AW-Terrestrial	Null	Hinton Rd Hinton	376661.7873	6378946.846		4	1	2	0	0	2	0	0	4	2	15
AW0115	AW-Terrestrial	Null	Hinton Rd Hinton	377102.6161	6379432.152		4	1	2	0	0	2	0	0	4	2	15
AW0116	AW-Terrestrial	Null	Hinton Rd Hinton	376738.2293	6379029.286		4	1	2	0	0	2	0	0	4	2	15
AW0117	AW-Terrestrial	Null	Hinton Rd Hinton	376757.9193	6379151.655		4	1	2	0	0	2	0	0	4	2	15
AW0118	AW-Terrestrial	Null	Hinton Rd Hinton	374371.7829	6380486.601		4	1	2	2	0	2	0	0	4	2	15
AW0119	AW-Terrestrial	Null	Hinton Rd Hinton	376060.4113	6379444.484		4	1	2	0	0	2	0	0	4	2	15
AW0120	AW-Terrestrial	Null	Hinton Rd Hinton	377350.6564	6378581.858		4	1	2	0	0	0	2	0	4	2	15
AW0231	AW-Terrestrial	AW-Aquatic	Hinton Rd, Hinton	374380.6098	6380495.767		4	1	3	2	0	1	0	1	4	4	20
AW0232	AW-Terrestrial	Null	Hinton Rd, Hinton	376889.0385	6379251.126		4	0	3	2	0	0	3	1	4	4	21
AW0233	AW-Terrestrial	Null	Hinton Rd, Hinton	377087.834	6378466.901		4	0	4	4	0	1	0	1	2	4	20
AW0234	AW-Terrestrial	Null	Hinton Rd, Hinton	376816.5993	6378373.784		4	0	4	4	0	1	0	1	2	4	20

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AW0186	AW-Terrestrial	Null	Horizons GC, Salamander Bay	414630.6861	6376708.985		3	4	2	0	0	3	2	0	4	2	20
AW0187	AW-Terrestrial	Null	Horizons GC, Salamander Bay	414458.8378	6376755.73		3	4	2	0	0	3	2	0	4	2	20
AW0188	AW-Terrestrial	Null	Horizons GC, Salamander Bay	414559.9093	6377015.586		3	3	2	3	0	0	4	2	3	3	23
AW0091	AW-Aquatic	Null	Hunter River	380342.1698	6377436.374		4	3	0	0	2	0	0	2	4	1	16
AW0092	AW-Aquatic	Null	Hunter River	380913.5236	6375298.261		4	3	0	0	2	0	0	2	4	1	16
AW0093	AW-Aquatic	Null	Hunter River	380862.4795	6374824.318		4	3	0	0	2	0	0	2	4	1	16
AW0094	AW-Aquatic	Null	Hunter River	380951.2977	6374622.006		4	3	0	0	2	0	0	2	4	1	16
AW0095	AW-Aquatic	Null	Hunter River	381013.6315	6374604.184		4	3	0	0	2	0	0	2	4	1	16
AW0096	AW-Aquatic	Null	Hunter River	382325.1754	6375365.924		4	3	0	0	2	0	0	2	4	1	16
AW0097	AW-Aquatic	Null	Hunter River	380313.3144	6376104.887		4	3	0	0	2	0	0	2	4	1	16
AW0098	AW-Aquatic	Null	Hunter River	380391.456	6375938.37		4	3	0	0	2	0	0	2	4	1	16
AW0099	AW-Aquatic	Null	Hunter River	380721.9696	6375698.624		4	3	0	0	2	0	0	2	4	1	16
AW0100	AW-Aquatic	Null	Hunter River	380246.6045	6377413.57		4	3	0	0	2	0	0	2	4	1	16
AW0101	AW-Aquatic	Null	Hunter River	380282.6467	6377411.251		4	3	0	0	2	0	0	2	4	1	16
AW0102	AW-Aquatic	Null	Hunter River	380276.8378	6377401.142		4	3	0	0	2	0	0	2	4	1	16
AW0103	AW-Aquatic	Null	Hunter River	380291.6053	6377413.42		4	3	0	0	2	0	0	2	4	1	16
AW0104	AW-Aquatic	Null	Hunter River	380248.1136	6377386.6		4	3	0	0	2	0	0	2	4	1	16
AW0105	AW-Aquatic	Null	Hunter River	380117.6384	6377306.14		4	3	0	0	2	0	0	2	4	1	16
AW0106	AW-Aquatic	Null	Hunter River	380097.1375	6377279.754		4	3	0	0	2	0	0	2	4	1	16
AW0107	AW-Aquatic	Null	Hunter River	379522.1404	6377227.9		4	3	0	0	2	0	0	2	4	1	16
AW0108	AW-Aquatic	Null	Hunter River	379052.3985	6377480.021		4	3	0	0	2	0	0	2	4	1	16
AW0109	AW-Aquatic	Null	Hunter River	378775.2421	6377594.784		4	3	0	0	2	0	0	2	4	1	16
AW0110	AW-Aquatic	Null	Hunter River	378431.0356	6377765.279		4	3	0	0	2	0	0	2	4	1	16
AW0111	AW-Aquatic	Null	Hunter River	378158.2738	6377806.128		4	3	0	0	2	0	0	2	4	1	16
AW0112	AW-Aquatic	Null	Hunter River	377447.038	6378084.693		4	3	0	0	2	0	0	2	4	1	16
AW0113	AW-Aquatic	Null	Hunter River	376866.9013	6378304.735		4	3	0	0	2	0	0	2	4	1	16
AW0166	AW-Aquatic	Null	Hunter River	376923.0123	6378245.796		4	4	1	2	2	0	4	0	4	2	23
AW0167	AW-Aquatic	Null	Hunter River	377076.5002	6378272.692		4	4	1	2	2	0	4	0	4	2	23
AW0168	AW-Aquatic	Null	Hunter River	377354.9594	6378194.951		4	4	1	2	2	0	4	0	4	2	23
AW0169	AW-Aquatic	Null	Hunter River	377358.9768	6378194.027		4	4	1	2	2	0	0	2	4	2	21
AW0170	AW-Aquatic	Null	Hunter River	377405.7515	6378152.911		4	4	1	2	2	0	0	1	4	2	20

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AW0171	AW-Aquatic	Null	Hunter River	377449.4712	6378061.739		4	4	1	2	2	0	0	1	4	2	20
AW0172	AW-Aquatic	Null	Hunter River	377548.7735	6377939.618		4	4	1	2	2	0	0	1	4	2	20
AW0173	AW-Aquatic	Null	Hunter River	378241.6943	6377783.704		4	4	1	2	2	0	0	1	4	2	20
AW0174	AW-Aquatic	Null	Hunter River	378255.7266	6377781.969		4	4	1	2	2	0	0	1	4	2	20
AW0175	AW-Aquatic	Null	Hunter River	378468.5872	6377735.989		4	4	1	2	2	0	0	1	4	2	20
AW0176	AW-Aquatic	Null	Hunter River	382378.3296	6375092.943		4	4	1	1	2	0	1	1	4	2	20
AW0177	AW-Aquatic	Null	Hunter River	382361.1879	6374994.624		4	4	2	1	2	0	1	1	4	2	21
AW0178	AW-Aquatic	Null	Hunter River	382351.1366	6374944.437		4	4	2	1	2	0	1	1	4	2	21
AW0179	AW-Aquatic	Null	Hunter River	382338.0865	6374894.193		4	4	2	1	2	0	1	1	4	2	21
AW0180	AW-Aquatic	Null	Hunter River	382315.1538	6374837.763		4	4	2	1	2	0	1	1	4	2	21
AW0181	AW-Aquatic	Null	Hunter River	382261.6871	6374756.757		4	4	2	1	2	0	1	1	4	2	21
AW0182	AW-Aquatic	Null	Hunter River	382235.3213	6374723.26		4	4	2	1	2	0	1	1	4	2	21
AW0183	AW-Aquatic	Null	Hunter River	382194.075	6374683.483		4	4	2	1	2	0	1	1	4	2	21
AW0337	AW-Aquatic	Null	Hunter River	376249.9723	6377772.103		4	1	3	4	1	0	0	1	4	3	21
AW0338	AW-Aquatic	Null	Hunter River	373547.2997	6378605.071		4	1	3	4	1	0	0	1	4	3	21
AW0343	AW-Aquatic	Null	Hunter River	380927.6551	6373015.633		3	1	3	0	1	1	0	1	3	4	17
AW0043	AW-Terrestrial	Null	Iona Lane, Woodville	370222.9052	6384618.339		4	2	3	0	1	1	0	1	4	4	20
AW0140	AW-Terrestrial	Null	James Rd, Medowie	395165.6548	6375284.506		2	2	3	0	0	1	4	4	4	3	23
AW0242	AW-Terrestrial	Null	Lavis Lane, Williamtown	394116.7597	6367828.486		1	4	4	0	0	3	3	0	4	2	21
AW0243	AW-Terrestrial	Null	Lavis Lane, Williamtown	393868.1803	6367437.822		1	4	4	0	0	3	3	0	4	2	21
AW0244	AW-Terrestrial	Null	Lavis Lane, Williamtown	393886.6607	6367148.203		1	4	4	0	0	3	3	0	4	2	21
AW0296	AW-Terrestrial	Null	Lavis Lane, Williamtown	393750.5261	6367948.542		3	2	2	0	0	2	3	1	2	4	18
AW0202	AW-Aquatic	Null	Lemon Tree Pasage Rd drain	398165.4907	6371676.634		4	1	3	0	0	1	4	0	2	3	18
AW0144	AW-Terrestrial	Null	Lemon Tree Passage	408310.7881	6377825.421		2	2	4	0	0	3	4	0	2	2	19
AW0184	AW-Terrestrial	Null	Lemon Tree Passage	409011.1096	6378278.565		3	4	4	0	0	3	4	0	2	4	24
AW0185	AW-Terrestrial	Null	Lemon Tree Passage	409012.8822	6378290.597		3	4	4	0	0	3	4	0	2	4	24
AW0305	AW-Terrestrial	Null	Lemon Tree Passage	409076.2825	6378268.798		2	4	4	0	0	4	4	0	2	2	22
AW0306	AW-Terrestrial	Null	Lemon Tree Passage	409086.3149	6378266.987		2	4	4	0	0	4	4	0	2	2	22
AW0124	AW-Terrestrial	Null	Lemon Tree Passage Rd	408310.7692	6377826.421		2	2	4	0	0	3	3	0	4	2	20
AW0307	AW-Terrestrial	Null	Lemon Tree Passage Road	398442.3667	6372421.776		4	2	4	4	0	0	3	1	4	2	24
AW0143	AW-Aquatic	Null	Mambo Wetlands	414795.2067	6377367.959		3	2	3	0	0	0	4	0	4	2	18

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PSC Id	Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW0126	AW-Aquatic	Null	Mambo, Wetlands	414783.1749	6377422.721		2	2	4	0	0	2	2	0	4	4	20
AW0304	AW-Terrestrial	Null	Marsh Road Junction, Nelson Bay Rd	400293.6203	6371760.865		2	2	3	0	0	4	4	0	2	4	21
AW0145	AW-Terrestrial	Null	Medowie	395281.3426	6376994.499		4	0	3	0	0	0	4	1	4	4	20
AW0139	AW-Terrestrial	Null	Medowie hole	393730.4789	6379008.998		2	3	4	0	0	4	2	0	4	1	20
AW0127	AW-Aquatic	Null	Medowie, Coachwood storm basin	395599.9496	6376854.531		4	3	3	0	0	2	2	0	4	2	20
AW0134	AW-Aquatic	Null	Medowie, Kirrang Drive drains	393262.4116	6377055.366		4	2	3	0	0	1	2	0	4	2	18
AW0135	AW-Aquatic	Null	Medowie, Kirrang Drive drains	393262.1096	6377071.359		4	2	3	0	0	1	2	0	4	2	18
AW0136	AW-Terrestrial	Null	Medowie, Old Farm Rd	391342.1773	6375701.233		2	2	3	3	0	2	2	0	4	2	20
AW0195	AW-Aquatic	Null	Medowie, retention basin	394821.838	6377182.8		3	2	3	0	0	1	4	1	2	4	20
AW0289	AW-Terrestrial	Null	Moxey Close, Williamtown	391788.9248	6368783.337		3	2	3	0	0	0	4	0	4	4	20
AW0302	AW-Terrestrial	Null	Nelson Bay Rd	413334.6405	6373920.052		3	2	4	0	0	0	4	0	3	4	20
AW0193	AW-Terrestrial	Null	Nelson Bay Rd, Fullerton Cove	391581.1618	6366922.582		3	1	3	0	0	2	4	0	3	4	20
AW0330	AW-Terrestrial	Null	Nelson Bay Rd, Salt Ash	399956.5656	6371607.512		3	1	4	3	0	0	4	4	2	4	25
AW0284	AW-Terrestrial	Null	Nelson Bay Rd, Williamtown	391925.1223	6369247.869		3	2	4	0	0	1	3	0	3	3	19
AW0285	AW-Terrestrial	Null	Nelson Bay Rd, Williamtown	391899.2476	6369241.38		3	2	4	0	0	1	3	0	3	3	19
AW0286	AW-Terrestrial	Null	Nelson Bay Rd, Williamtown	391855.8753	6369155.568		3	2	4	0	0	1	3	0	3	3	19
AW0287	AW-Terrestrial	Null	Nelson Bay Rd, Williamtown	392671.6175	6369534.964		3	2	3	0	0	1	4	0	4	4	21
AW0288	AW-Terrestrial	Null	Nelson Bay Rd, Williamtown	392631.6599	6369427.219		3	2	3	0	0	1	4	0	4	4	21
AW0347	AW-Terrestrial	Null	Nelson Bay Road	396052.7224	6370408.83		3	2	4	0	0	0	4	0	1	4	18
AW0348	AW-Terrestrial	Null	Nelson Bay Road	395993.1904	6370278.719		3	1	4	0	0	0	4	0	2	4	18
AW0349	AW-Terrestrial	Null	Nelson Bay Road	397003.7232	6371301.711		3	1	4	0	0	0	4	0	2	4	16
AW0358	AW-Terrestrial	AW-Aquatic	Oakfield Rd, Salt Ash	397395.0989	6371385.102		2	2	3	2	0	2	4	2	4	2	23
AW0155	AW-Terrestrial	Null	Oakfield Road, Salt Ash	397297.8473	6371293.274		2	2	4	0	0	0	4	1	3	4	20
AW0156	AW-Terrestrial	Null	Oakfield Road, Salt Ash	397184.1097	6371280.125		2	2	4	0	0	0	4	1	3	4	20
AW0157	AW-Terrestrial	Null	Oakfield Road, Salt Ash	397289.2652	6371324.108		2	2	4	0	0	0	4	1	3	4	20
AW0297	AW-Terrestrial	Null	Off Cabbage Tree Creek Road	385450.8267	6368551.425		3	1	2	0	0	2	3	1	2	4	18
AW0023	AW-Aquatic	Null	Off New Line Road	382806.408	6378105.864		4	3	2	1	2	1	0	1	4	2	20
AW0235	AW-Aquatic	Null	Pacific Hwy	393559.6255	6386956.933		4	2	2	2	0	0	3	1	4	3	21
AW0354	AW-Terrestrial	Null	Pacific HWY	389298.4106	6383434.964		4	1	4	4	0	0	4	0	4	3	24
AW0203	AW-Terrestrial	Null	Paterson Rd, Woodville	369901.1305	6384553.275		4	0	4	4	0	0	1	4	4	3	24
AW0204	AW-Terrestrial	Null	Paterson Rd, Woodville	369963.2783	6384545.446		4	0	4	4	0	0	1	4	4	3	24

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PSC Id	Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW0051	AW-Terrestrial	Null	Paterson Rd, Woodville	369787.8111	6384517.139		4	1	3	0	1	2	0	1	4	3	20
AW0052	AW-Terrestrial	Null	Paterson Rd, Woodville	369860.3145	6384543.506		4	1	3	0	1	2	0	1	4	3	20
AW0067	AW-Terrestrial	Null	Paterson Rd, Woodville	370388.5827	6384635.462		4	1	3	0	0	2	2	0	4	4	20
AW0046	AW-Aquatic	Null	Paterson River	368945.7882	6386163.283		4	2	3	2	1	1	0	1	4	2	22
AW0047	AW-Aquatic	Null	Paterson River	368329.3985	6385493.664		4	3	0	2	2	1	0	1	4	1	18
AW0048	AW-Aquatic	Null	Paterson River	369258.6945	6383515.161		4	3	0	2	2	1	0	1	4	1	18
AW0049	AW-Aquatic	Null	Paterson River	369209.3509	6383374.229		4	3	0	2	2	1	0	1	4	1	18
AW0050	AW-Aquatic	Null	Paterson River	369245.7341	6383353.915		4	3	0	0	2	1	0	1	4	1	18
AW0053	AW-Aquatic	Null	Paterson River	369530.5852	6383786.288		4	4	0	1	2	2	0	2	4	1	20
AW0054	AW-Aquatic	Null	Paterson River	369536.4164	6383954.398		4	4	0	1	2	2	0	2	4	1	20
AW0055	AW-Aquatic	Null	Paterson River	369483.4013	6384167.4		4	4	0	1	2	2	0	2	4	1	20
AW0056	AW-Aquatic	Null	Paterson River	369473.1976	6384178.208		4	4	0	1	2	2	0	2	4	1	20
AW0057	AW-Aquatic	Null	Paterson River	369438.6254	6384208.556		4	4	0	1	2	2	0	2	4	1	20
AW0058	AW-Aquatic	Null	Paterson River	369421.3864	6384221.232		4	4	0	1	2	2	0	2	4	1	20
AW0059	AW-Aquatic	Null	Paterson River	368656.3397	6384594.816		4	4	0	1	2	2	0	2	4	1	20
AW0060	AW-Aquatic	Null	Paterson River	368677.9918	6384560.223		4	4	0	1	2	2	0	2	4	1	20
AW0061	AW-Aquatic	Null	Paterson River	368865.4324	6384377.754		4	4	0	1	2	2	0	2	4	1	20
AW0062	AW-Aquatic	Null	Paterson River	368989.2564	6384334.088		4	4	0	1	2	2	0	2	4	1	20
AW0063	AW-Aquatic	Null	Paterson River	369166.1937	6384284.422		4	4	0	1	2	2	0	2	4	1	20
AW0064	AW-Aquatic	Null	Paterson River	368517.2416	6384812.196		4	4	0	1	2	2	0	2	4	1	20
AW0065	AW-Aquatic	Null	Paterson River	368546.0044	6384771.738		4	4	0	1	2	2	0	2	4	1	20
AW0071	AW-Aquatic	Null	Paterson River	372942.934	6380744.642		4	4	0	2	2	2	0	1	4	1	20
AW0072	AW-Aquatic	Null	Paterson River	372547.8335	6380856.188		4	4	0	2	2	2	0	1	4	1	20
AW0073	AW-Aquatic	Null	Paterson River	372003.5033	6380979.919		4	4	0	2	2	2	0	1	4	1	20
AW0074	AW-Aquatic	Null	Paterson River	371881.3211	6380989.614		4	4	0	2	2	2	0	1	4	1	20
AW0075	AW-Aquatic	Null	Paterson River	371735.2789	6380885.86		4	4	0	2	2	2	0	1	4	1	20
AW0076	AW-Aquatic	Null	Paterson River	371667.3975	6380826.58		4	4	0	2	2	2	0	1	4	1	20
AW0077	AW-Aquatic	Null	Paterson River	371635.9745	6380742.987		4	4	0	2	2	2	0	1	4	1	20
AW0078	AW-Aquatic	Null	Paterson River	370865.1979	6381473.447		4	4	0	2	2	2	0	1	4	1	20
AW0079	AW-Aquatic	Null	Paterson River	370758.2364	6381524.429		4	4	0	2	2	2	0	1	4	1	20
AW0080	AW-Aquatic	Null	Paterson River	370168.5071	6382093.308		4	4	0	2	2	2	0	1	4	1	20

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PSC Id	Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW0081	AW-Aquatic	Null	Paterson River	369816.1786	6382110.664		4	4	0	2	2	2	0	1	4	1	20
AW0085	AW-Aquatic	Null	Paterson River	373299.7828	6379904.384		4	3	0	3	2	2	0	2	4	1	20
AW0086	AW-Aquatic	Null	Paterson River	372878.7311	6379165.446		4	3	0	0	2	2	0	2	4	1	20
AW0087	AW-Aquatic	Null	Paterson River	372987.2947	6379294.494		4	3	0	0	2	2	0	2	4	1	20
AW0088	AW-Aquatic	Null	Paterson River	373137.9938	6379416.336		4	3	0	0	2	2	0	2	4	1	20
AW0089	AW-Aquatic	Null	Paterson River	373207.968	6379470.656		4	3	0	0	2	2	0	2	4	1	20
AW0090	AW-Aquatic	Null	Paterson River	373229.6016	6379490.064		4	3	0	0	2	2	0	2	4	1	20
AW0245	AW-Aquatic	Null	Paterson River	373005.7218	6379324.841		4	4	0	2	2	1	0	2	4	1	20
AW0246	AW-Aquatic	Null	Paterson River	373198.6884	6379485.481		4	4	0	2	2	1	0	2	4	1	20
AW0247	AW-Aquatic	Null	Paterson River	373234.2224	6380358.142		4	4	0	2	2	1	0	2	4	1	20
AW0248	AW-Aquatic	Null	Paterson River	372485.5543	6380871.013		4	4	0	2	2	1	0	2	4	1	20
AW0249	AW-Aquatic	Null	Paterson River	372463.5434	6380871.598		4	4	0	2	2	1	0	2	4	1	20
AW0250	AW-Aquatic	Null	Paterson River	371792.4849	6380927.939		4	4	0	2	2	1	0	2	4	1	20
AW0251	AW-Aquatic	Null	Paterson River	371767.871	6380907.475		4	4	0	2	2	1	0	2	4	1	20
AW0252	AW-Aquatic	Null	Paterson River	371682.2033	6380783.859		4	4	0	2	2	1	0	2	4	4	20
AW0253	AW-Aquatic	Null	Paterson River	371141.8526	6381279.665		4	4	0	2	2	1	0	2	4	1	20
AW0254	AW-Aquatic	Null	Paterson River	370383.7675	6381761.367		4	4	0	2	2	1	0	2	4	1	20
AW0255	AW-Aquatic	Null	Paterson River	369751.8307	6382712.453		4	4	0	2	2	1	0	2	4	1	20
AW0256	AW-Aquatic	Null	Paterson River	369346.6784	6383250.818		4	4	0	2	2	1	0	2	4	1	20
AW0257	AW-Aquatic	Null	Paterson River	369125.2868	6383430.645		4	4	0	2	2	1	0	2	4	1	20
AW0258	AW-Aquatic	Null	Paterson River	369445.3851	6383584.68		4	4	0	2	2	1	0	2	4	1	20
AW0259	AW-Aquatic	Null	Paterson River	369341.9806	6384242.735		4	4	0	2	2	1	0	2	4	1	20
AW0260	AW-Aquatic	Null	Paterson River	369311.7838	6384253.166		4	4	1	2	2	1	0	2	4	4	20
AW0261	AW-Aquatic	Null	Paterson River	369172.4366	6384271.54		4	4	0	2	2	1	0	2	4	1	20
AW0262	AW-Aquatic	Null	Paterson River	369070.001	6384294.609		4	4	0	2	2	1	0	2	4	1	20
AW0263	AW-Aquatic	Null	Paterson River	368876.8619	6384354.97		4	4	0	2	2	1	0	2	4	1	20
AW0264	AW-Aquatic	Null	Paterson River	368637.2143	6384601.455		4	4	0	2	2	1	0	2	4	1	20
AW0265	AW-Aquatic	Null	Paterson River	368341.0714	6385404.883		4	4	0	2	2	1	0	2	4	1	20
AW0266	AW-Aquatic	Null	Paterson River	368316.3088	6385498.417		4	4	0	2	2	1	0	2	4	1	20
AW0267	AW-Aquatic	Null	Paterson River	368311.0656	6385511.318		4	4	0	2	2	1	0	2	4	1	20
AW0268	AW-Aquatic	Null	Paterson River	368116.2585	6385978.653		4	4	0	2	2	1	0	2	4	1	20

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PSC Id	Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW0269	AW-Aquatic	Null	Paterson River	368143.4594	6386074.167		4	4	0	2	2	1	0	2	4	1	20
AW0270	AW-Aquatic	Null	Paterson River	368939.279	6386721.165		4	4	0	2	2	1	0	2	4	1	20
AW0271	AW-Aquatic	Null	Paterson River	368388.4041	6385015.77		4	4	0	2	2	1	0	2	4	1	20
AW0272	AW-Aquatic	Null	Paterson River	369788.1378	6382643.138		4	4	0	2	2	1	0	2	4	1	20
AW0273	AW-Aquatic	Null	Paterson River	369806.5254	6382463.484		4	4	0	2	2	1	0	2	4	1	20
AW0274	AW-Aquatic	Null	Paterson River	372759.492	6380821.181		4	4	0	2	2	1	0	2	4	1	20
AW0275	AW-Aquatic	Null	Paterson River	372866.3584	6380775.197		4	4	0	2	2	1	0	2	4	1	20
AW0276	AW-Aquatic	Null	Paterson River	372927.0342	6380739.342		4	4	0	2	2	1	0	2	4	1	20
AW0277	AW-Aquatic	Null	Paterson River	371436.8382	6380644.231		4	4	0	2	2	1	0	2	4	1	20
AW0278	AW-Aquatic	Null	Paterson River	368515.0539	6384822.155		4	4	0	2	2	1	0	2	4	1	20
AW0279	AW-Aquatic	Null	Paterson River	372106.0132	6380952.853		4	4	0	2	2	1	0	2	4	1	20
AW0280	AW-Aquatic	Null	Paterson River	372035.7368	6380967.527		4	4	0	2	2	1	0	2	4	1	20
AW0281	AW-Aquatic	Null	Paterson River	372003.6164	6380973.921		4	4	0	2	2	1	0	2	4	1	20
AW0334	AW-Aquatic	Null	Paterson River	368386.9802	6385409.748		4	2	2	2	1	0	0	4	2	3	20
AW0339	AW-Aquatic	Null	Paterson River	369364.7664	6384307.165		4	1	3	4	1	0	0	1	4	3	21
AW0357	AW-Aquatic	Null	Paterson River	369076.3118	6386878.747		4	4	0	2	1	0	0	2	4	4	21
AW0372	AW-Aquatic	Null	Paterson River	370118.4838	6383314.368		3	1	2	0	2	0	4	3	3	4	23
AW0327	AW-Terrestrial	Null	Patterson Rd, Woodville,	369853.9951	6383499.383		4	2	2	0	0	1	2	1	4	4	20
AW0328	AW-Terrestrial	Null	Patterson Rd, Woodville,	369759.5749	6383468.603		4	2	2	0	0	1	2	1	2	4	18
AW0205	AW-Aquatic	Null	Patterson River	369381.0246	6384293.471		4	3	2	2	2	0	0	2	2	3	20
AW0241	AW-Terrestrial	Null	Raymond Terrace	385166.2696	6374134.675		2	2	3	0	1	2	4	1	4	2	21
AW0299	AW-Terrestrial	Null	Raymond Terrace	381827.6134	6374232.582		3	1	4	0	0	1	3	0	2	4	18
AW0300	AW-Terrestrial	Null	Raymond Terrace	381828.2266	6373882.611		3	1	4	0	0	1	3	0	2	4	18
AW0301	AW-Terrestrial	Null	Raymond Terrace	383894.7978	6374322.638		3	2	4	0	0	1	3	0	2	4	18
AW0194	AW-Terrestrial	Null	Raymond Terrace, ROCLA site	381965.4885	6372757.262		3	2	4	2	3	3	3	1	2	4	27
AW0147	AW-Terrestrial	Null	Salt Ash	396738.1147	6371282.69		2	2	4	0	0	0	3	0	3	4	18
AW0148	AW-Terrestrial	Null	Salt Ash	396962.2493	6371379.917		2	2	4	0	0	0	3	0	3	4	18
AW0149	AW-Terrestrial	Null	Salt Ash	397070.0989	6371492.943		2	2	4	0	0	0	2	0	4	4	18
AW0150	AW-Terrestrial	Null	Salt Ash	396802.8758	6371294.914		2	2	4	0	0	0	4	0	4	3	19
AW0151	AW-Terrestrial	Null	Salt Ash	396821.6988	6371251.275		2	2	4	0	0	0	4	1	4	2	19
AW0152	AW-Terrestrial	Null	Salt Ash	397013.1682	6371383.88		2	2	4	0	0	0	4	1	4	2	19

Port Stephens LGA (continued)

PSC Id	Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW0153	AW-Terrestrial	Null	Salt Ash	397038.2675	6371431.349		2	2	4	0	0	0	4	1	4	2	19
AW0154	AW-Terrestrial	Null	Salt Ash	397046.9063	6371397.516		2	2	4	0	0	0	4	1	3	2	18
AW0229	AW-Terrestrial	Null	Salt Ash	397432.7131	6371616.785		3	1	4	0	0	1	4	0	2	4	19
AW0201	AW-Terrestrial	Null	Seaham Road	382158.598	6375555.767		4	1	3	0	0	1	4	1	2	4	20
AW0291	AW-Terrestrial	AW-Aquatic	Seaham Road	381886.988	6375747.627		4	2	3	0	0	0	4	1	2	4	20
AW0292	AW-Terrestrial	Null	Seaham Road	382161.6723	6375551.826		4	2	3	0	0	0	4	1	2	4	20
AW0293	AW-Terrestrial	Null	Seaham Road	382485.17	6375206.955		4	1	2	0	0	0	4	0	4	3	18
AW0317	AW-Aquatic	Null	Seaham, Williams River	381637.3331	6386491.371		4	4	2	0	1	0	0	1	4	4	20
AW0335	AW-Aquatic	Null	Tomago Drain	381531.2966	6366636.352		3	1	4	0	0	1	3	0	4	4	20
AW0336	AW-Aquatic	Null	Tomago Drain	381572.3735	6366051.157		3	1	4	0	0	1	3	1	4	4	21
AW0190	AW-Terrestrial	Null	Trial site, Hetherbrae	380981.549	6372174.691		4	1	2	0	0	0	4	1	2	4	18
AW0217	AW-Aquatic	Null	Tumbledown Creek, Williamstown	381978.0603	6390328.587		4	4	2	4	2	0	4	1	4	1	25
AW0340	AW-Aquatic	Null	Upper Paterson River	369866.8363	6383295.624		4	1	4	4	0	2	3	4	1	4	24
AW0219	AW-Aquatic	Null	Upper Williams River	381443.4356	6386008.742		3	3	2	1	1	0	3	1	2	4	20
AW0318	AW-Aquatic	Null	Upper Williams River	380356.9732	6388903.141		4	4	2	0	1	0	0	1	4	4	20
AW0370	AW-Aquatic	Null	Upper Williams River	382363.1429	6386871.024		3	1	2	0	0	0	4	3	3	4	20
AW0371	AW-Aquatic	Null	Upper Williams River	380614.4241	6387604.049		3	1	2	0	0	0	4	3	3	4	20
AW0373	AW-Aquatic	Null	Wiliams River	383240.6198	6381219.881		4	1	2	0	0	0	4	3	3	4	21
AW0308	AW-Aquatic	Null	Wiliiams River	383277.2039	6383999.41		4	2	4	4	0	0	3	1	4	4	26
AW0309	AW-Aquatic	Null	Wiliiams River	383689.9321	6383641.212		4	1	3	4	0	0	4	1	4	3	24
AW0006	AW-Aquatic	Null	Williams River	379826.8057	6388382.182		4	2	2	0	2	0	0	2	4	4	20
AW0015	AW-Aquatic	Null	Williams River	380772.188	6386342.079		4	1	2	0	1	0	0	1	4	3	17
AW0016	AW-Aquatic	Null	Williams River	380646.5461	6386535.703		4	1	2	0	1	0	0	1	4	4	17
AW0017	AW-Aquatic	Null	Williams River	380340.2044	6386766.922		4	1	2	0	1	0	0	1	4	4	17
AW0018	AW-Aquatic	Null	Williams River	382293.2399	6384424.839		4	1	2	0	1	0	0	1	4	4	17
AW0019	AW-Aquatic	Null	Williams River	381920.9363	6384282.829		4	3	2	0	1	0	0	1	4	4	19
AW0020	AW-Aquatic	Null	Williams River	382828.694	6379150.226		4	3	2	0	2	0	0	2	4	3	20
AW0021	AW-Aquatic	Null	Williams River	383195.6169	6379524.13		4	3	1	0	1	0	0	1	4	4	18
AW0022	AW-Aquatic	Null	Williams River	383516.7665	6379727.178		4	3	1	0	1	0	0	1	4	2	16
AW0024	AW-Aquatic	Null	Williams River	383074.3279	6380705.774		4	3	1	0	1	0	0	1	4	2	16
AW0025	AW-Aquatic	Null	Williams River	383065.7173	6382063.534		4	3	2	1	2	1	0	1	4	2	20

Port Stephens LGA (continued)

PSC Id	Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW0026	AW-Aquatic	Null	Williams River	382815.6434	6384189.698		4	3	1	0	1	0	0	1	4	2	16
AW0027	AW-Aquatic	Null	Williams River	382760.364	6383037.721		4	3	1	0	1	0	0	1	4	4	18
AW0028	AW-Aquatic	Null	Williams River	382685.7299	6382700.332		4	3	1	1	2	0	0	1	4	4	20
AW0029	AW-Aquatic	Null	Williams River	382260.8163	6378668.534		4	3	1	0	1	0	0	1	4	2	16
AW0030	AW-Aquatic	Null	Williams River	382236.2793	6378644.072		4	3	1	0	1	0	0	1	4	2	16
AW0031	AW-Aquatic	Null	Williams River	381939.5909	6378210.089		4	3	1	1	2	0	0	1	4	4	20
AW0032	AW-Aquatic	Null	Williams River	382378.8701	6375381.938		4	3	2	0	1	1	0	1	4	4	20
AW0033	AW-Aquatic	Null	Williams River	382423.7939	6375438.783		4	3	2	0	1	1	0	1	4	4	20
AW0034	AW-Aquatic	Null	Williams River	382844.541	6375662.719		4	3	2	0	1	1	0	1	4	4	20
AW0035	AW-Aquatic	Null	Williams River	383021.2027	6375733.052		4	2	2	0	1	1	0	1	4	4	19
AW0036	AW-Aquatic	Null	Williams River	382793.7844	6375861.749		4	2	2	0	1	1	0	1	4	4	18
AW0037	AW-Aquatic	Null	Williams River	382719.0229	6375849.338		4	2	2	0	1	1	0	1	4	3	18
AW0038	AW-Aquatic	Null	Williams River	382683.0944	6375845.659		4	2	2	0	1	1	0	1	4	3	18
AW0039	AW-Aquatic	Null	Williams River	382605.1453	6375843.187		4	1	1	0	1	1	0	1	4	3	16
AW0040	AW-Aquatic	Null	Williams River	382547.0181	6375850.089		4	1	1	0	1	1	0	1	4	3	16
AW0137	AW-Aquatic	Null	Williams River	381906.0333	6385763.471		4	2	2	0	2	0	2	0	4	2	18
AW0196	AW-Aquatic	Null	Williams River	380326.7006	6388386.594		4	4	2	1	2	0	0	1	2	4	20
AW0197	AW-Aquatic	Null	Williams River	380484.2189	6386659.64		4	2	2	0	1	0	4	1	2	4	20
AW0198	AW-Aquatic	Null	Williams River	380569.6272	6386319.264		4	2	2	0	1	0	4	1	2	4	20
AW0199	AW-Aquatic	Null	Williams River	381920.2213	6386602.694		4	1	3	0	0	0	1	1	2	4	16
AW0236	AW-Aquatic	Null	Williams River	381016.2735	6386177.686		4	2	3	2	2	0	0	1	4	2	20
AW0237	AW-Aquatic	Null	Williams River	380883.4777	6386167.184		4	2	2	0	2	0	4	1	2	4	21
AW0238	AW-Aquatic	Null	Williams River	381452.5073	6386004.913		4	2	2	0	2	0	3	1	2	4	20
AW0239	AW-Aquatic	Null	Williams River	381785.3273	6385748.197		4	2	2	0	2	0	3	1	4	3	21
AW0240	AW-Aquatic	Null	Williams River	380332.5482	6386801.776		4	2	2	0	2	0	2	1	4	4	21
AW0282	AW-Aquatic	Null	Williams River	381814.6581	6384244.827		4	4	0	0	1	0	0	1	4	4	18
AW0319	AW-Aquatic	Null	Williams River	381893.6789	6385729.24		4	4	2	0	1	0	0	1	2	4	18
AW0320	AW-Aquatic	Null	Williams River	381683.1763	6385597.28		4	4	2	0	1	0	0	1	2	4	18
AW0321	AW-Aquatic	Null	Williams River	381917.5911	6385627.696		4	4	2	0	1	0	0	1	2	4	18
AW0322	AW-Aquatic	Null	Williams River	382272.7258	6386203.356		4	4	2	0	1	0	0	1	2	4	18
AW0323	AW-Aquatic	Null	Williams River	380598.6985	6387164.773		4	4	2	0	1	0	0	1	2	4	18

Port Stephens LGA (continued)

PSC Id	Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW0324	AW-Aquatic	Null	Williams River	380184.6264	6387381.964		4	4	2	0	1	0	0	1	2	4	18
AW0325	AW-Aquatic	Null	Williams River	379901.9292	6387950.615		4	4	2	0	1	0	0	1	2	4	18
AW0326	AW-Aquatic	Null	Williams River	379873.5153	6388185.07		4	4	2	0	1	0	0	1	2	4	18
AW0355	AW-Aquatic	Null	Williams River	380306.8161	6389177.184		4	2	3	1	2	0	0	2	4	2	20
AW0356	AW-Aquatic	Null	Williams River	380283.5551	6389031.753		4	2	3	1	2	0	0	2	4	2	20
AW0218	AW-Terrestrial	Null	Williams River bank, East Seaham	380102.443	6388188.38		4	4	1	1	1	0	0	1	2	4	18
AW0200	AW-Aquatic	Null	Williams River, Duncans Properties	381900.5698	6387221.292		4	1	3	0	0	0	1	1	2	4	16
AW0003	AW-Aquatic	Null	Williams River, Duncan's properties	381284.2814	6386282.73		4	1	2	0	1	1	2	1	4	4	20
AW0004	AW-Aquatic	Null	Williams River, Duncan's properties	381939.7156	6386364.074		4	1	2	0	1	1	2	1	4	4	20
AW0014	AW-Aquatic	Null	Williams River, Seaham	381788.2508	6385752.252		4	0	2	4	0	0	3	1	4	2	20
AW0001	AW-Aquatic	Null	Williams River, East Seaham	380938.7485	6387108.181		4	0	2	0	0	0	3	1	4	4	18
AW0005	AW-Aquatic	Null	Williams River, East Seaham Rd	381931.325	6386437.912		4	1	2	0	1	1	2	1	4	4	20
AW0290	AW-Terrestrial	Null	Williams River, Langlands properties	382031.061	6389584.624		4	4	2	0	0	2	0	1	4	3	20
AW0141	AW-Aquatic	Null	Williams river, Langlanes properties	382152.3205	6390154.876		4	4	2	4	0	0	3	1	4	3	25
AW0332	AW-Aquatic	Null	Williams River, opposite Stony Creek	383002.0651	6390537.848		4	4	1	2	1	1	0	1	4	2	20
AW0230	AW-Terrestrial	Null	Wwalalong, High Street	373483.4344	6380929.836		4	1	3	1	0	1	4	1	2	2	19

Port Stephens LGA[4]* (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Terrestrial	Null	David Drive, 81 C8	397646.7334	6371153.888	100	50-75%	2	2	2	0	0	2	2	0	3	3	16
AW-Terrestrial	Null	David Drive, 81 C8	397673.2063	6371316.028	100	50-75%	2	2	2	0	0	2	2	0	3	3	16
AW-Terrestrial	Null	David Drive, 81 C8	397688.306	6371411.399	200	50-75%	2	2	2	0	0	2	2	0	3	3	16
AW-Aquatic	Null	Drain opposite RAF Prop	393027.6065	6368107.135	200	6% to 25 %	2	1	3	0	0	1	0	0	3	3	13

[4] Additional Information collected during recent surveys; these locations are generally well covered in the Port Stephens data set

Port Stephens LGA (continued)

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic	Null	Drain opposite RAF Prop	393018.142	6368108.015	200	6% to 25 %	2	1	3	0	0	1	0	0	3	3	13
AW-Terrestrial	Null	End Oakfield Rd, Salt Ash, 81 B10	397319.5034	6370912.462	40	6% to 25 %	2	2	2	0	0	2	2	0	3	3	16
AW-Terrestrial	Null	End Oakfield Rd, Salt Ash, 81 B10	397259.1943	6370911.836	100	50-75%	2	2	2	0	0	2	2	0	3	3	16
AW-Terrestrial	Null	Oakfield Rd, 81 B	397379.3942	6371341.553	200	50-75%	2	2	2	0	0	2	2	0	3	3	16
AW-Aquatic	Null	Opposite Horizons GC	376611.1979	6371383.535	40	6% to 25 %	2	3	2	2	0	1	3	0	4	2	19
AW-Aquatic	Null	Opposite Horizons GC	414811.4231	6377365.119	40	6% to 25 %	2	3	2	2	0	1	3	0	4	2	19
AW-Aquatic	AW-Terrestrial	Paterson River	369424.045	6383271.191	25	6% to 25 %	3	2	3	2	0	2	2	2	4	2	22
AW-Aquatic	Null	Port Stephens Drive, Drain near Horse Trails, 63 B12	412559.3935	6374523.171	40	6% to 25 %	2	2	2	0	0	2	2	0	3	2	15
AW-Aquatic	Null	Port Stephens Drive, Drain near Horse Trails, 63 B12	412578.6638	6374618.552	40	6% to 25 %	2	2	2	0	0	2	2	0	3	2	15
AW-Aquatic	Null	Port Stephens Drive, Drain near Horse Trails, 63 B12	412593.5349	6374756.738	20	6% to 25 %	2	2	2	0	0	2	2	0	3	2	15
AW-Terrestrial	Null	RAF Site	391389.9205	6366906.823	20000	6% to 25 %	2	1	2	0	0	1	2	2	3	4	17
AW-Terrestrial	Null	RAF Site	393034.1836	6368094.036	1000	6% to 25 %	2	1	2	0	0	1	2	2	3	4	17
AW-Terrestrial	Null	Raymond Terrace	382264.3416	6374747.037	4	6% to 25 %	3	2	1	0	0	1	3	0	4	3	17
AW-Terrestrial	Null	Raymond Terrace	382233.2199	6374700.592	10	6% to 25 %	3	2	1	0	0	1	3	0	4	3	17
AW-Terrestrial	Null	Raymond Terrace	382178.8818	6374658.215	5	6% to 25 %	3	2	1	0	0	1	3	0	4	3	17
AW-Aquatic	Null	Raymond Terrace	382070.0053	6374568.143	20	6% to 25 %	2	1	3	0	0	1	2	0	4	3	16
AW-Aquatic	Null	Raymond Terrace	381988.6567	6374528.441	20	6% to 25 %	2	1	3	0	0	1	2	0	4	3	16
AW-Terrestrial	Null	WALLONG	372722.0828	6380889.379	10	6% to 25 %	2	2	3	1	0	2	0	2	3	3	18
AW-Aquatic	Null	Williams River	381635.4234	6385609.468	4	6% to 25 %	3	3	2	2	2	1	0	2	4	2	21
AW-Aquatic	Null	Williams River	381630.9053	6385611.861	4	6% to 25 %	3	3	2	2	2	1	0	2	4	2	21
AW-Aquatic	Null	Williams River	381612.5047	6385624.059	2	6% to 25 %	3	3	2	2	2	1	0	2	4	2	21
AW-Aquatic	Null	Williams River	381591.7511	6385637.56	2	6% to 25 %	3	3	2	2	2	1	0	2	4	2	21
AW-Aquatic	Null	Williams River	381548.08	6385666.137	2	6% to 25 %	3	3	2	2	2	1	0	2	4	2	21
AW-Aquatic	Null	Williams River	381499.085	6385697.805	40	6% to 25 %	3	3	2	2	2	1	0	2	4	2	21
AW-Aquatic	AW-Terrestrial	Williams Spillway	381636.7778	6385578.728	10	6% to 25 %	3	2	2	0	1	1	0	0	4	2	15
AW-Aquatic	Null	Williams Spillway	381654.8312	6385597.222	10	6% to 25 %	3	2	2	0	1	1	0	0	4	2	15

Singleton LGA

Primary infestation	Associated Infestation	Location/Property Id	Corordinate Jul08_X	Coordinate Jul08_Y	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic		SI107235	345243.5	6386677	Widespread Plant Groups	3	2	3	1	1	2	2	2	4	2	22
AW-Aquatic		SI107771	345269.1	6391069	Isolated Plant Groups	3	2	3	1	1	2	2	2	4	2	22
AW-Aquatic		SI107771	344992.3	6390765	Isolated Plant Groups	3	2	3	1	1	2	2	2	4	2	22
AW-Aquatic		SI125420	352700.9	6389950	Isolated Individual Plants	3	2	3	1	1	2	2	2	4	2	22
AW-Aquatic		SI133297	344961.6	6386705	Isolated Individual Plants	3	2	3	1	1	2	2	2	4	2	22
AW-Aquatic		SI133297	345054.3	6386773	Widespread Plant Groups	3	2	3	1	1	2	2	2	4	2	22
AW-Aquatic		SI45120	352271.6	6387260	Isolated Individual Plants	3	2	3	1	1	2	2	2	4	2	22
AW-Aquatic		SI45294	345267.8	6391157	Isolated Individual Plants	3	2	3	1	1	2	2	2	4	2	22
AW-Aquatic		SI45294	345548.8	6391195	Isolated Individual Plants	3	2	3	1	1	2	2	2	4	2	22
AW-Aquatic		SI45310	346013.6	6391490	Isolated Plant Groups	3	2	3	1	1	2	2	2	4	2	22
AW-Aquatic		SI45658	348188.1	6390470	Isolated Plant Groups	3	2	3	1	1	2	2	2	4	2	22
AW-Aquatic		SI80473	345716.8	6386407	Isolated Individual Plants	3	2	3	1	1	2	2	2	4	2	22
AW-Aquatic		SI80937	345641.1	6391296	Isolated Individual Plants	3	2	3	1	1	2	2	2	4	2	22
AW-Aquatic		SI82826	344582	6386977	Widespread Individual Plants	3	2	3	1	1	2	2	2	4	2	22

Wyong LGA

Primary infestation	Associated Infestation	Location	Corordinate Jul08_X	Coordinate Jul08_Y	Size m2	Density/ Cover	Risk1 (Flood)	Risk2 Recreation Activities	Risk3 Earth Moving	Ris4 Irrigation	Risk5 Commercial Activities	Risk6 Soil/ Waste Dumping	Risk7 Landscaping activities	Risk8 Flood-plain Agric	Risk9 Catchment & Critical Sites	Risk10 Size	Risk Range
AW-Aquatic		Along Canton Beach, properties	363943.5374	6317760.8	20	6% to 25 %	1	2	2	0	0	1	3	0	4	2	15
AW-Aquatic		Along Canton Beach, properties	364205.4963	6317527.8	20	6% to 25 %	1	2	2	0	0	1	3	0	4	2	15
AW-Aquatic		Along Canton Beach, properties	364541.4596	6317103.8	20	6% to 25 %	1	2	2	0	0	1	3	0	4	2	15
AW-Aquatic		Diamond Head Drive	365433.4628	6321626.7	20	6% to 25 %	1	2	2	0	0	1	3	0	4	2	15
AW-Aquatic		Toukley Reserve	364913.4708	6319105.8	20	6% to 25 %	1	2	2	0	0	1	3	0	4	2	15