

NSW Weed Risk Management assessment: *Ehrharta erecta*

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		<i>Ehrharta erecta</i>		
		Panic veldtgrass		
		Poaceae		
	Area considered:	Coastal areas of NSW (North Coast, Central Coast and South Coast)		
	Land use:	Nature conservation		
	Density:	Medium density		
		There is a great variability in routine weed management practices along coastal NSW. While significant areas closer to population centres may be intensively managed (for example by hand weeding and/or selective herbicides), the large majority of sites receive little to no routine management. Fire is a common tool that is used for vegetation management, although it is uncommonly used for weed management.		
	Invasiveness		Do not know	
Q1	score	2	0.0	S. Watson pers. comm.
Q2	score	3	0.0	Assumes no management is standard.
Q3	a	2	0.0	Frey (2005).
	b	1	1.0	'Do not know'
	c	2	0.0	Anon (2007b).
	total	5		
Q3	score	3		
Q4	a	0	0.0	Anon (2007a and 2007b).
	b	1	0.0	Frey (2005).
	c	2	0.0	Anon (2007a).
	d	2	0.0	Anon (2007a and 2007b).
	total	5		
Q4	score	2		
Q5	a	0	0.0	R. Randall pers. comm. - previously used as a pasture spp.
	b	1	0.0	Anon (2007a).
	c	0	0.0	Anon (2007a and 2007b).
	d	0	0.0	Anon (2007a and 2007b).
	total	1		
Q5	score	1		

Ehrharta erecta (cont.)

Invasiveness score		11		
Impacts				
Q1	score	1.5	1.5	Do not know'
Q2	score	4	0.0	McIntyre and Ladiges (1985).
Q3	score	1	0.0	J. Rawlings pers. comm.
Q4	score	0	0.0	J. Rawlings pers. comm.
Q5	score	0	0.0	No mention in any references.
Q6	<i>a</i>	0.5	0.5	Do not know'
	<i>b</i>	0.5	0.5	Do not know'
	<i>c</i>	1	0.0	Frey (2005).
	<i>d</i>	0.5	0.5	Do not know'
	<i>e</i>	-1	0.0	Frey (2005).
	<i>f</i>	0	0.0	No mention in any references.
	<i>total</i>	1.5		
Q6	score	1		
Impacts score		7.5		
Potential distribution				
	score	4	0.0	Estimate based on soil type preference (sand).
Comparative weed risk and Uncertainty scores				
Corrected Invasiveness		7.3		
Corrected Impacts		3.9		
Corrected Potential distribution		4.0		
Comparative Weed Risk		116		
		High		
Uncertainty Invasiveness		7.1		
Uncertainty Impacts		27.3		

Ehrharta erecta (cont.)

Uncertainty	Potential Distribution	0.0		
Control costs				
Q1	<i>a</i>	1	0.0	J. Rawling pers. obs.
	<i>b</i>	0	0.0	Anon (2007b).
	<i>c</i>	2	0.0	Anon (2007b).
	<i>d</i>	1	0.0	J. Rawling pers. obs.
	<i>total</i>	4		
Q1	score	2		
Q2	score	1	0.0	J. Rawling pers. obs. - bushland sites have a range of accessibilities.
Q3	<i>a</i>	1	0.0	J. Salmon pers. comm.
	<i>b</i>	4	0.0	J. Stewart pers. comm. - hand weeding
	<i>c</i>	1	0.0	Assumed.
	<i>total</i>	6		
Q3	score	3		
Q4	score	2	0.0	J. Rawling pers. obs.
Control costs score		8		
Persistence				
Q1	score	1.5	1.5	'Do not know'
Q2	score	3	0.0	Frey (2005).
Q3	score	0	0.0	Frey (2005).
Q4	<i>a</i>	1	0.0	Anon (2007a).
	<i>b</i>	1	0.0	Anon (2007a).
	<i>total</i>	2		
Q4	score	2	0.0	
Persistence score		6.5		
Current Distribution				
Q1	score	2	0.0	Assumed.

Ehrharta erecta (cont.)

Q2	score	2	0.0	J. Rawling pers. comm.
Current Distribution score		4		
Comparative Feasibility of Coordinated Control and Uncertainty scores				
Corrected Control costs		6.7		
Corrected Persistence		5.9		
Corrected Current distribution		3.3		
Comparative Feasibility of Coordinated Control		131		
		Negligible		
Uncertainty Control costs		0.0		
Uncertainty Persistence		25.0		
Uncertainty Current distribution		0.0		
Overall Uncertainty score		10		
Positive impacts		Frey (2005) - Previously used as a pasture and soil stabilisation species (NSW DPI, NSW DECC and NSW Farmers).		
Comments		None		

Determining priorities

Weed risk is HIGH

Feasibility of Coordinated control is NEGLIGIBLE

On the Management action matrix the weed falls into 'Manage weed' on the lower left of the matrix

Suggested Management actions of 'Manage weeds'

Aims to reduce the overall economic, environmental and/or social impacts of the weed species through targeted management

Research and develop Integrated Weed Management (IWM) packages for the species, including herbicides and biological control where feasible.

Promote IWM packages to landholders.

Monitor decrease in weed impacts with improved management.

Identify key sites/assets in the geographic area and ensure adequate resourcing to manage the weed species.

References

- Anonymous (2007a). Panic veldtgrass (*Ehrharta erecta*). Eurobodalla Shire Council. Online at <http://www.esc.nsw.gov.au/weeds/Sheets/grasses/G%20Panic%20Veldtgrass.htm> Access date 25 June 2007.
- Anonymous (2007b). *Ehrharta* spp. University of California. Online at <http://ucce.ucdavis.edu/datastore/detailreport.cfm?usernumber=44&surveynumber=182> Access date 25 June 2007.
- Frey (2005). Element Stewardship Abstract for *Ehrharta* spp. Thunb. The Nature Conservancy. 14 pp. Online at <http://incweeds.ucdavis.edu> Access date 6 July 2007.
- McIntyre S. and Ladiges P. Y. (1985). Aspects of the biology of *Ehrharta erecta* Lam. *Weed Research*, 25, 21-32.