

Impact Assessment Record

Scientific Name: Lachenalia reflexa

Common name: yellow soldier

QUESTION	COMMENTS	RATING	CONFIDENCE
Social			
1. Restrict human access?	Low growing plant reaching up to 100mm (CRC for Australian Weed Management 2003). Weed would not restrict human access.	L	M
2. Reduce tourism?	'Can reduce the recreational enjoyment of bushland by people' (CRC for Australian Weed Management 2003). May have a minor effect on aesthetics.	ML	M
3. Injurious to people?	Weed not documented as having any injurious or toxic effects.	L	M
4. Damage to cultural sites?	Plant not recorded as having an effect on cultural sites.	L	M
Abiotic			
5. Impact flow?	Terrestrial species.	L	M
6. Impact water quality?	Terrestrial species.	L	M
7. Increase soil erosion?	Plant dies off during summer months (CRC for Australian Weed Management 2003) so would leave some ground exposed although low probability of low scale soil movement.	L	M
8. Reduce biomass?	'Replaces native herbs and annuals in both disturbed and relatively intact bushland' (CRC for Australian Weed Management 2003). Plants die off during summer months. May be periods where biomass is slightly decreased.	MH	M
9. Change fire regime?	Although fire tolerant, no evidence to suggest that the weed would effect the frequency or intensity of fires.	L	M
Community Habitat			
10. Impact on composition (a) high value EVC	EVC= Coastal Mallee Scrub (E); CMA=Glenelg Hopkins; Bioreg=Glenelg Plain; CLIMATE potential=M. '.. around Perth where it appears to be replacing the herbaceous and annual components of the native understorey' (CRC for Australian Weed Management). Displaces all species within the groundcover layer.	H	M
(b) medium value EVC	EVC= Heathy herbrich woodland (D); CMA=Glenelg Hopkins; Bioreg=Glenelg Plain; CLIMATE potential=M. '.. around Perth where it appears to be replacing the herbaceous and annual components of the native understorey' (CRC for Australian Weed Management). Displaces all species within the groundcover layer.	H	M
(c) low value EVC	EVC= Heathy woodland (LC); CMA=Glenelg Hopkins; Bioreg=Glenelg Plain; CLIMATE potential=M. '.. around Perth where it appears to be replacing the herbaceous and annual components of the native understorey' (CRC for Australian Weed Management). Displaces all species within the groundcover layer.	H	M
11. Impact on structure?	'.. around Perth where it appears to be replacing the herbaceous and annual components of the native understorey' (CRC for Australian Weed Management). Major effect on understorey.	MH	M

Impact Assessment Record

Scientific Name: Lachenalia reflexa

Common name: yellow soldier

QUESTION	COMMENTS	RATING	CONFIDENCE
12. Effect on threatened flora?	This species is not documented as posing an additional risk to threatened flora.	MH	L
Fauna			
13. Effect on threatened fauna?	This species is not documented as posing an additional risk to threatened fauna.	MH	L
14. Effect on non-threatened fauna?	Weed not documented to have an effect on non-threatened fauna species.	L	M
15. Benefits fauna?	Weed not documented to provide support to desirable species.	H	M
16. Injurious to fauna?	Weed not documented to be toxic or have spines or burrs which may affect indigenous fauna.	L	M
Pest Animal			
17. Food source to pests?	Not documented as a food source for pest species.	L	M
18. Provides harbor?	Weed not documented to provide harbour for pest species.	L	M
Agriculture			
19. Impact yield?	Not a weed of agriculture.	L	M
20. Impact quality?	Not a weed of cropping.	L	M
21. Affect land value?	Weed not known to have an effect on land value.	L	M
22. Change land use?	Weed not known to cause change in priority of land use.	L	M
23. Increase harvest costs?	Not a weed of cropping.	L	M
24. Disease host/vector?	Not a known host or vector for disease of agriculture.	L	M

Impact Assessment Record

Scientific Name: *Lachenalia reflexa*

Common name: yellow soldier

References cited:

Brown, K., Brooks, K., Madden, S. & Marshall, J. 2002, 'Control of the exotic bulb, yellow soldier (*Lachenalia reflexa*) invading a banksia woodland, Perth, Western Australia', *Ecological Management & Restoration*, vol. 3, no. 1, pp. 28–36.

CRC for Australian Weed Management 2003, *Weed management guide: Yellow soldier* (*Lachenalia reflexa*), CRC for Australian Weed Management and Commonwealth Department of the Environment and Heritage, viewed 10 Jan 2006, http://www.weeds.crc.org.au/documents/wmg_lachenalia.pdf

Revisions

Date	Revised by	Revision
------	------------	----------