

Impact Assessment Record

Scientific name: *Senecio angulatus* L. f. _____

Common name: Cape ivy (mile a minute, climbing groundsel)

QUESTION	COMMENTS	RATING	CONFIDENCE
Social			
1. Restrict human access?	Can from thickets of more than 20 metres in diameter (Blood 2001). As it is a vine however its growth would largely be over existing vegetation and not likely to close a vehicles track, it may impede access along a walking track.	MH	M
2. Reduce tourism?	Unremarkable ornamental species could alter aesthetics (Blood 2001).	ML	MH
3. Injurious to people?	Does contain toxic compounds, however not reported as toxic to people.	L	M
4. Damage to cultural sites?	Unremarkable ornamental species could alter aesthetics (Blood 2001).	ML	L
Abiotic			
5. Impact flow?	The similar <i>Delaria oderata</i> can impact upon flood mitigation strategies (Bossard, Randell & Hoshovsky 2000).	M	L
6. Impact water quality?	No reported evidence that this species impacts on water quality factors such as dissolved oxygen or temperature. However the plant contains Pyrrolizidine alkaloids that are toxic to fish and may be released into the water (Bossard, Randell & Hoshovsky 2000; Porter & Geissman 1962)	M	L
7. Increase soil erosion?	Unknown specifically for this species, however a similar species <i>Delaria oderata</i> can contribute to soil erosion on hillsides (Bossard, Randell & Hoshovsky 2000).	M	L
8. Reduce biomass?	It is able to cover and smother vegetation in the lower strata (<6m) (Newton 1996). This would reduce the living biomass.	MH	MH
9. Change fire regime?	Has supposed fire retardant properties (Blood 2001). Could therefore reduce the fire intensity.	ML	MH
Community Habitat			
10. Impact on composition (a) high value EVC	EVC= Valley Grassy Forest (V); CMA= Glenelg Hopkins; Bioreg= Greater Grampians; VH CLIMATE potential. Forming thickets of more than 20m in diameter, it is able to cover the lower strata with copious growth and smothering and therefore displacing species (Blood 2001; Newton 1996).	H	MH
(b) medium value EVC	EVC= Grassy Dry Forest (D); CMA= Glenelg Hopkins; Bioreg= Greater Grampians; VH CLIMATE potential. Forming thickets of more than 20m in diameter, it is able to cover the lower strata with copious growth and smothering and therefore displacing species (Blood 2001; Newton 1996).	H	MH

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(c) low value EVC	EVC= Lowland Forest (LC); CMA= Glenelg Hopkins; Bioreg= Greater Grampians; VH CLIMATE potential. Forming thickets of more than 20m in diameter, it is able to cover the lower strata with copious growth and smothering and therefore displacing species (Blood 2001; Newton 1996).	H	MH
11. Impact on structure?	Forming thickets of more than 20m in diameter, it is able to cover the lower strata with copious growth and smothering and therefore displacing species (Blood 2001; Newton 1996).	MH	MH
12. Effect on threatened flora?	Its ability to smother native vegetation is of concern in areas where it is invading small and threatened areas of undisturbed native vegetation (Newton 1996).	MH	MH
Fauna			
13. Effect on threatened fauna?	Unknown.	MH	L
14. Effect on non-threatened fauna?	Unknown to what extent this species has, it may cause significant alteration of habitat; reducing plant species richness and diversity and therefore diversity of food and shelter available.	M	L
15. Benefits fauna?	Nothing reported. Insects may visit flowers, dense foliage may provide some shelter.	M	L
16. Injurious to fauna?	Like other <i>Senecio</i> species its foliage contains a Pyrrolizidine alkaloid which can be toxic if eaten (Jessop & Toelken 1986; Porter & Geissman 1962). Unknown toxicity.	M	M
Pest Animal			
17. Food source to pests?	Visited by bees (Butz Huryn & Moller 1995).	ML	H
18. Provides harbor?	Dense foliage could provide shelter.	M	M
Agriculture			
19. Impact yield?	Has been linked to stock poisoning (Jessop & Toelken 1986). There have been very few reports however.	ML	M
20. Impact quality?	Unknown if the Pyrrolizidine alkaloid it contains effects the quality of the output.	M	L
21. Affect land value?	There is no evidence of this.	L	M
22. Change land use?	There is no evidence of this.	L	M

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23. Increase harvest costs?	Stock may need managed so as to avoid exposure and it may have some impact in forestry.	M	L
24. Disease host/vector?	No evidence of this reported.	L	M