

Gegedzerick Open Day



LANDCARE LEADS THE WAY
Sat, 25 March 2023

Station 1 - Vegetation survey enclosures



Twelve 'reo' wire enclosures, 18 metres high and 20 meters in diameter, were constructed in strategic locations in



the woodland area with the help of many volunteers including the Cooma Correctional Centre.



The purpose of these enclosures is to monitor through time the diversity and abundance of ground cover species in the absence of grazing by larger mammals and in response to different treatments such as burning and hand seeding. The method used to describe the vegetation composition was a modified form of that used by McElhinney et al. (2006), as captured in the form shown on the other side of this page for Enclosure B'.

On January 6th 2023, in one half of each ring, three areas of 0.5 metre in diameter were bared using a whipper-snipper, then disturbed with a 3-pronged tool, then hand seeded with 1g of seed from the 'woodland mix'

of Eucalyptus and Acacia as described for Station 5. In the other half of the ring, three areas were likewise bared and disturbed but not seeded.

Through onward vegetation monitoring, we will determine whether soil surface disturbance alone promotes natural regeneration and whether disturbance plus seeding works. This experiment will thus tell us whether regeneration of large areas can be achieved cost effectively.

Gegedzerick Vegetation Surveys Data Entry Form

Site name:	Plot ID:	Date:	Time:	Surveyor/s:
Gegedzerick	B	1/25/2022	4:30:00 PM	MM, LVD

Site/Plot Description (habitat, disturbance, land-use context):	
Long-term grazed TSR. Mainly native modified pasture and dieback affected woodland. Very high growth due to rains. High diversity and recovery of native forbs and grasses	

Plot-Level Vegetation Structure (measured in 20m diameter plot) = % foliage cover to nearest 10%			
Ground layer (0-0.5 m):	70	Shrub layer (>0.5-2 m height):	1
Small tree (> 2-10 m height):	0	Tall tree (> 10 m height):	30

Sub-plot Level Vegetation Structure											
Sub-plot	(# LL%)	CWD%	G%	H%	C%	S%	T%	So%	Total	Pho	Dominant Spp.
1	5	2	10	68	0	0	0	15	100	Yes	Trifolium arvense
2	20	15	30	30	0	0	0	5	100	Yes	Austrostipa scabra ssp. falcata
3	60	15	5	15	0	0	0	5	100	Yes	Austrostipa scabra ssp. falcata
4	10	15	20	55	0	0	0	0	100	Yes	Austrostipa scabra ssp. falcata
5	15	5	20	40	0	0	0	20	100	Yes	Trifolium arvense
6	20	5	5	20	0	0	0	40	100	Yes	Trifolium arvense
7	20	5	30	40	0	0	0	5	100	Yes	Trifolium arvense
8	20	10	20	30	0	0	0	20	100	Yes	Trifolium arvense
9	10	0	55	30	0	0	0	5	100	Yes	Trifolium arvense
10	10	5	30	40	0	0	0	15	100	Yes	Trifolium arvense

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Species richness and abundance						Abundance score	
Species no.	Species name	Abundance	Species no.	Species name	Abundance		
1	Chrysocephalum apiculatum (Common Everlasting)	2	29	*Arctotheca calendula (Capeweed)	1	1	Rare, cover < 5%
2	Austrostipa scabra ssp.	5	30	Dichelechne sp.	1	3	Uncommon, cover < 5%
3	Austrostipa bigeniculata	4	31	Rytidosperma sp.	1	3	Common, cover < 5%
4	Trifolium arvense	6	32	Oxalis paremnana (Grass)	2	4	Very abundant, cover < 5%
5	Cymbonotus sp. (Austral)	1	33	*Chenopodium album	1	5	5%-20% cover
6	Eragrostis curvula (African)	2	34	*Salvia verbenaca (Wild)	1	6	20%-50% cover
7	Aira sp. (Hairgrass - spp)	2	35	*Trifolium dubium (Yellow)	2	7	50%-75% cover
8	Bothriochloa macra	1	36	Vitadina canata var.	2	8	75%-100% cover
9	*Onopordum acanthium	2	37	*Sonchus oleraceus (Sow)	1		
10	Rytidosperma sp. (Wallaby)	1	38	*Echium vulgare (Viper's)	1		
11	Acacia ovina (Sheep's)	2	39				
12	Lactuca serriola (Prickly)	1	40				
13	Hydrocotyle taxiflora	3	41				
14	Poa sp. (Tussock)	2	42				
15	Myosotis discolor	1	43				
16	Eucalyptus viminalis	2	44				
17	*Polycarpon tetraphyllum	2	45				
18	Elymus scaber (Common)	1	46				
19	Solanum prinophyllum	1	47				
20	Wahlenbergia sp. (Bluebell)	3	48				
21	*Rumex acetosella	2	49				
22	Euchiton spp. (Cudweed -)	3	50				
23	Panicum effusum (Hairy)	1	51				
24	*Patorrhagia sp.	2	52				
25	Brachyscome aculeata	2	53				
26	*Taraxacum officinale	2	54				

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27	*Solanum spp. (Solan - sp)	2	55
28	Themeda triandra	1	56

Tree Dieback Severity Score (measured for all live and dead trees > 2 m rooted within each 20 m diameter plot)									
Tree #	Crown Size	Foliar Density	Dead Branches	Epicormic Growth	Foliar Damage	Height (m, to nearest 1 m)	DBH (cm, to nearest 10cm)	Hollow bearing?	Species/notes
1	5	4	4	5	5	14	80	No	E. viminalis
2	4	4	3	3	5	12	38	No	E. viminalis
3	3	4	2	4	5	10	30	No	E. viminalis
4	4	4	3	4	4	12	40	Yes	E. viminalis
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