

# Gegedzerick Open Day



LANDCARE LEADS THE WAY  
Sat, 25 March 2023

## Station 5 - Erosion Gully Repair + Hand Seeding



For the erosion gully component of this project, we worked on two parallel gullies running down hill. The left (west) gully is 120 m and the right (east) 180 metres in length. A third shallower gully between the two had self-sealed.



In October 2022, we engaged Jindabyne Landscaping to do the mechanical work. In the right gully a scarifier ripped shallow furrows (both sides) in the top edges/sides to open the bare ground up for soil seed contact. We did not scarify the shorter (west) gully.

We purchased a 1 kg bag of native grass seed (containing Red Leg Grass, Poa, Sorghum) and two forbs (New Holland Daisy and Common Everlasting) from Greening Australia. On November 23 2022, we added 500 grams of this native grass seed to the hydromulch tank which contained a liquid mix of pulverised Eucalyptus mulch and blue glue. This mix was then sprayed out over both sides of both gullies.

In addition, we purchased Kangaroo Grass thatch from a local supplier. This was supplied in two forms - 10kg of bulkier chaff containing stalks and florets and 7 kg of more pure seed florets. We manually dispersed this both along one side of the top half of both gullies prior to applying the hydromulch. This gave us trial areas for hydromulching with fine seed in the mix, with and without Kangaroo Grass florets applied directly to a scarified and unscarified surface on the gully flanks and walls.

## Hand seeding between gullies

This work was performed by volunteers between 13-15 September 2022.

In the yellow (grassland) section between the erosion gullies a mix of 250g of native grass mix (same mix that was used in the hydromulcher) was added to various 'carriage' media (e.g. semolina, oatbran, lentils, amaranth, couscous, potting mix) in a 3:1 ratio to make it easier to disperse the seed by hand.

At 75 locations, each marked by a yellow flag, we scraped 3 separate spots in a triangle shape 30cm from the flag. A teaspoon of carrier-seed mix was broadcast in the spot and tamped down by foot. The same procedure, but without seed, was applied to 25 locations, marked by white flags, to act as controls.



In the green ("woodland" section), a tree seed mix (4g of seed, 36g of carrier medium) consisting of 3g Ribbon Gum (*Eucalyptus.viminalis*), 0.5g Blackwood Wattle (*Acacia melanoxydon*) and 0.5g Silver Wattle (*A. dealbata*) was applied at 75 locations marked by red flags. As above, 3 holes were scraped at approximately 30 cm from the flag in a triangle shape and a finger pinch of mixed seed was dropped into two holes and stamped down. Two *Lomandra* seeds were pushed in also. The remainder of the *Lomandra* seed (150g) was thrown into the crevices between the granite boulders in this area. At 25 locations (white flags), no seed was applied.

In the red polygon, a teaspoon of the same grassland mix was added to disturbed patches of the gully side following scraping. No flags were used.