

# Landcare Benchmarking

Submission date: .....

Reference No. (will be completed by group): .....

Property owner/s: *Rowan Wright* .....

Property occupier/s (if different from owner): ..... *Rowan Wright & Maggie Janstad*.....

Contact person: ..... *Rowan Wright* ..... Telephone: ..... *64588134*.....

Address: ..... *Knockalong, Tombong Rd, Delegate 2633* .....

## Description of debilitated area

Size of debilitated area (ha): ...*< 1 ha*..... Catchment area (ha): .....*80 ha* .....

Map reference (specify the topographic map & E/N grid references): ...*Tombong 8624-S 70E x 12N* .....  
(e.g. *Tombong 8624-S 70E x 12N*)

Describe debilitated area (attach photographs if available) :

...*Active erosion gully 2 metres deep at it's head. Approximately 65 metres long. Situated 8 metres from a subdivision fence. The head of the gully is advancing an average of 1 meter per year* .....

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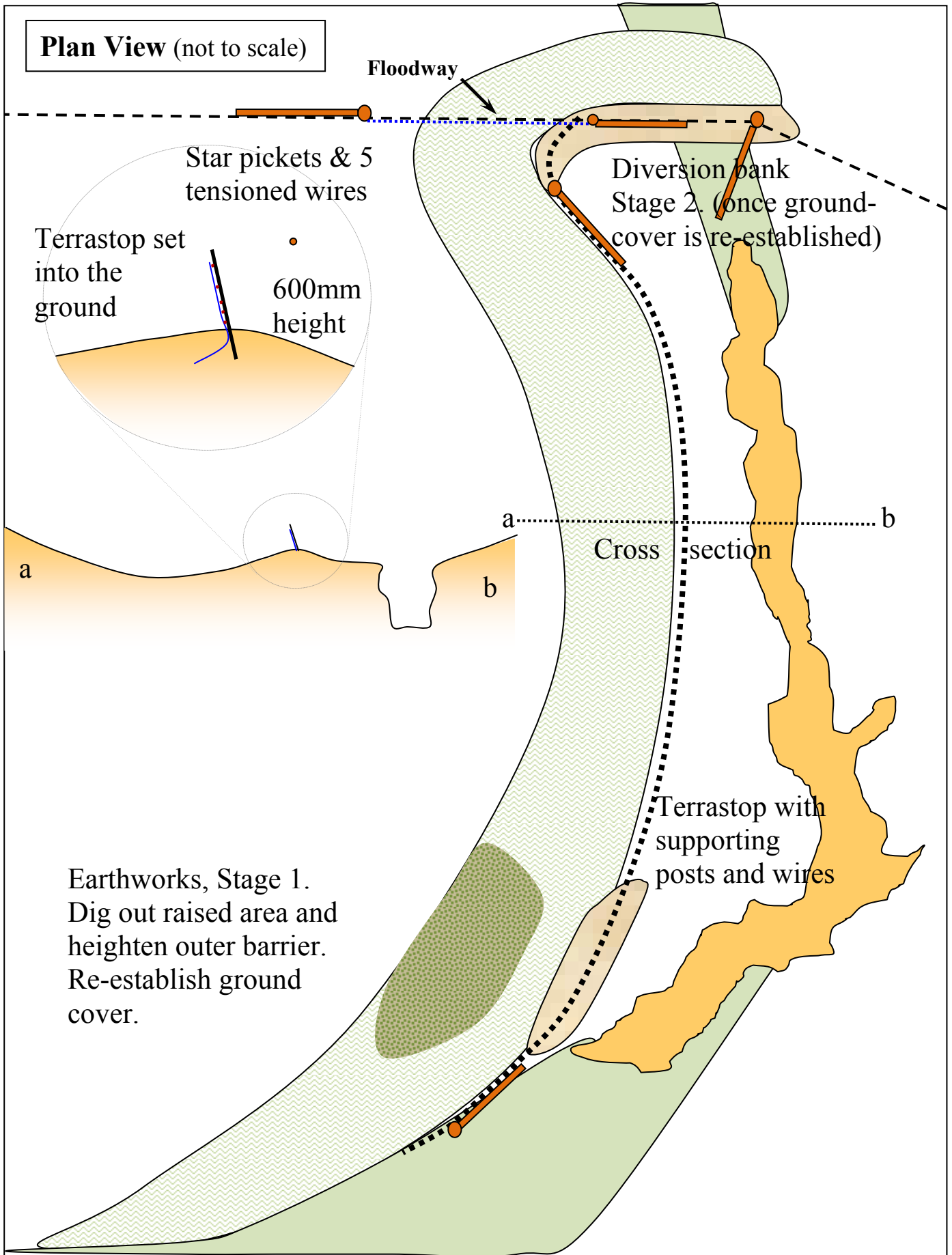
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..... Note number of pages ( / )

Please sketch a mud map of the debilitated area, or attach relevant map/s and photos. Please include names of waterways (if applicable) and a rough scale & orientation.



Benchmark Reference No. (group to complete): ..... Note number of pages ( / ).

# Proposed Landcare Rehabilitation

Benchmark Reference No. (group to complete): .....

**Would you like a site visit from the Coordinator or technical expert to discuss your issue?**.....

Contact person: ... *Rowan Wright*..... Telephone: ...*64588134*..... E-mail: ...*knock@rowansweb.com*..

**Proposed Rehabilitation:** (please also complete the summary table on the following page):

*Construction of a diversion bank 12 metres above the head of the erosion at the position of the existing fence line. The bank will divert the water to a gradual falling slope that runs parallel to the existing eroded gully. A smaller retaining bank will be built part way down the new flow area to prevent the water flowing back into the lower part of the eroded gully. The earth works in this area needs to be completed and the rehabilitation of ground cover established prior to the commencement of Stage 2. A new fence with a floodgate is to be erected over the diversion bank & spillway area. Topsoil will be spread on the exposed earth areas and grass seed sewn & watered in to start the regeneration process. Parallel with the flow of water, a “fabric” wall will be erected (100metres) on the higher ground. This will increase the volume of the diverted water without disturbing the top surface as would be the case in an earthworks situation. The “wall” will be curved and tensioned between two strainer posts using plain wire, netting & Terrastop 1380.*

Estimated Labour required: ..... *one person* ..... Hours of Labour: ...*50 hours labour*

Description of Machinery required: ... *65 HP Crawler Dozer, Transport machinery, water carrier & pump & hand tools*.....

Description of Materials required: ... *100 metres Geotextile, Star pickets, 500 m of HT wire, strainer post & stays, netting & grass seed* .....

**Attach and number additional pages as required**..... Note number of pages ( / ).

## Present state in eroded gully



**Head of the erosion area. Has advanced 1.5 meters in the last 2 years**



**Lower section of the erosion area**

**Table 1. Summary of FUNDED Activities / Materials / Labour Required for Rehabilitation**

Activity (Fencing, earth moving, tree planting, etc)	Description of materials / costs (eg metres of fencing, number of trees)	Machinery required (and estimated no. of hours and hourly rate)	Hire of Labour	Cost \$
<i>Fencing</i>	<i>400 star posts, @ \$6.22 each, 2 x 50m roll Terrastop1380 @ \$185 roll, 500m HT wire</i>			<i>\$250 + \$370 + \$66 = \$686</i>
<i>Fencing</i>	<i>4 x treated pine strainer posts &amp; stays \$30- \$20 respectfully + netting@\$390/100m roll</i>			<i>\$200+\$390 = \$590</i>
<i>Grass sewing &amp; watering</i>	<i>Native seed, 1 x roll pasture hay, coconut Jutemat 1.83m. x 25m @ \$199/roll</i>			<i>\$60+\$398 = \$458</i>
	<b>Materials</b>	<b>Machinery Costs</b>	<b>Labour</b>	
<b>Sub totals</b>				
			<b>Total</b>	<b>\$1,734</b>





**Upper diversion area with diversion bank. Stage 2.**



**Lower diversion area with bank & restablished grasses. Stage 1.**