

Upper Deua Landcare. Araluen Creek Restoration Project


Cost Estimates and Priorities








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Soil Conservation Service



Site	Works	Photos	Priority	Cost ex gst
1. Headcutting on side creek at dredge hole.	<ul style="list-style-type: none"> • Install rock ramp in upper headcut to control drop and prevent upstream migration. • Modify drainage in paddock to take water away from lower headcut and discharge safely to main creek. 		Med	\$10,370
2. Bank erosion in main creek at side creek confluence and outside bend	<ul style="list-style-type: none"> • Install rootballs at confluence point to reduce swirling and erosion. • Modify shape of inner sandbar on bend to reduce flood pressure on outside of bend. 		Low	\$2,780
3. Minor erosion in floodrunner sediments	<ul style="list-style-type: none"> • Install rootballs in floodrunner to reduce bed erosion. 		Low	\$2,850
4. Headcutting in paddock threatening access and creek stability	<ul style="list-style-type: none"> • Install rock ramp to control water and prevent erosion, and stop upstream migration. 		Med	\$4,960

<p>5. Big tree choke diverting flows into banks and bed</p>	<ul style="list-style-type: none"> • Realign fallen trees to prevent floodwater causing erosion to bed and banks, and possible causing creek to permanently realign around choke. 			<p>High</p>	<p>\$5,695</p>
<p>6. Erosion at former sand sausage site</p>	<ul style="list-style-type: none"> • Install rootballs at base of erosion to slow floodwater and trap sediment, reducing erosion of the outer bank. • Possible relocation of sediment on inside of bend, subject to negotiation with landholders (Laurie). 	 		<p>High</p>	<p>\$16,270</p>
<p>7. Flood diversion leading to severe bank erosion, and other problems</p>	<ul style="list-style-type: none"> • Install rootballs along eroding alignment and open up channel to prevent further erosion. • Remove large choke in floodrunner. • Excavate entrance to floodrunner allowing flood capacity. • Other small scale bank works by realignment and rootball / fallen tree installation where necessary. 			<p>High</p>	<p>\$21,150</p>

					
8. Fallen trees and bed erosion	<ul style="list-style-type: none"> • Realign fallen trees to prevent bank scour. • Install log sill below site to prevent bed erosion migrating upstream. 			Med	\$10,065
9. Severe erosion of outside bend	<ul style="list-style-type: none"> • Install rootballs in bank toe to prevent erosion. • Realignment of channel closer to middle of creek. 			High	\$15,475
10. Severe bed erosion above main road crossing, Dirty Butter Creek	<ul style="list-style-type: none"> • Install log weir and rock drop structure to prevent erosion migrating upstream. 			High	\$12,525
11. Washed out crossing and bed erosion	<ul style="list-style-type: none"> • Install log sill below crossing site and reinstate crossing with cobble material. • Place rootballs on eroding bank above crossing site to prevent outflanking. 	[No photos]		Med	\$7,240

12. Bed erosion downstream of concrete crossing	<ul style="list-style-type: none"> • Install two log weirs with rock drop protection to prevent bed erosion worsening. 		High	\$13,730
13. Bank erosion and possible floodrunner bed erosion	<ul style="list-style-type: none"> • Install two layers of rootballs to prevent bank erosion and prevent floodrunner bed erosion. 	[No photos]	High	\$6,100
Rootball transport	<ul style="list-style-type: none"> • 4 days excavator and truck hire to deliver rootballs to project sites from Sawyers Ridge Road. 	(Can be reduced if some sites are removed from the final list)		\$17,925
Rock transport	<ul style="list-style-type: none"> • 4 days excavator and truck hire to deliver rootballs to project sites from Jerrabatgulla Creek property Araluen Road). 	(Can be reduced if some sites are removed from the final list)		\$17,925
Project management	<ul style="list-style-type: none"> • Admin and project management associated with these works. 			\$9,510
TOTAL COST OF ALL WORKS	<ul style="list-style-type: none"> • 			\$174,565

GST exclusive