



Wollemi Creek Subcatchment

Wollemi Creek is in the central north of the Hawkesbury Nepean catchment. It flows south to join the Capertee River in Wollemi National Park to become the Colo River. Much of the subcatchment is protected as part of the Greater Blue Mountains World Heritage Area.

Putty and Gibbs Creek valley floors have been cleared and riverbanks have been damaged as a result of historic agricultural land use and uncontrolled grazing. The areas are sparsely settled. Erosion in these creeks is contributing sediment to the downstream World Heritage Area.

There is potential for private landholder involvement in managing the degradation of the riverbanks of Putty and Gibbs Creeks.

Reach Management Recommendations – Wollemi Creek Subcatchment

Reach Name	Reach Description	Riparian Land Management Category	Reach Values	Reach Threats	Reach management recommendations (Planning, Education, Works, Monitoring, Institutional)
Gibbs R1	Total length from headwater to junction with Putty Creek	Revegetation	<ul style="list-style-type: none"> Wetland of local significance High geomorphic recovery potential Significant vegetation community Significant environmental program tied to flagship species (Regent Honeyeater Project) Some community based environment activity 	<ul style="list-style-type: none"> Modified / engineered channel (channel excavation and draining of wetlands) Damaging access (stock – limited to specific points) Barriers to ecosystem functioning Draining and burning of wetlands Clearing of hillsides causing erosion and sedimentation of creek Blackberry <p>Action Triggers</p> <ul style="list-style-type: none"> Severe downstream impact – erosion in this reach is causing sedimentation of Wollemi Creek and Colo River downstream in World Heritage Area. Reach is also a weed source for the World Heritage Area downstream. 	<ul style="list-style-type: none"> Riparian wetland management Management of stock impacts on waterways (W) Encourage adoption of sustainable land management practices in riparian lands (E) Aquatic habitat condition and connectivity improvement (P,W) Rural water quality and sediment management (W) Removal/replacement of exotic riparian vegetation Channel bed or bank erosion control works (W) Maintain existing community based environment activity (E,P) Revegetation with indigenous riparian vegetation (W)
Putty R1	From start of creek down to where it exits the gorge and the National Park	Near Intact (almost entirely in reserve)			<p>Almost all the reach is in National Park.</p> <ul style="list-style-type: none"> Develop conservation management agreements to protect remnant riparian vegetation (P)
Putty R2	From upstream to confluence with Gibbs Creek to National Park boundary upstream of confluence with Wollemi Creek (confined reach)	Assisted Regeneration	<ul style="list-style-type: none"> Good riparian vegetation Wetland of local significance Significant vegetation community Significant environmental program tied to a flagship species (Regent Honeyeater) Significant irrigation water supply Significant community based environment activity 	<ul style="list-style-type: none"> Damaging access (stock) Barriers to ecosystem functioning Draining of wetlands Pigs and deer are an emerging problem <p>Action Triggers</p> <ul style="list-style-type: none"> Severe downstream impact – erosion in this reach is a source of sediment to the World Heritage Area downstream. Also a source of weeds such as Blackberry 	<ul style="list-style-type: none"> Management of stock impacts on waterways (W) Encourage adoption of sustainable land management practices in riparian lands (E,P) Riparian wetland management Pest animal management in riparian zone (P,W) Aquatic habitat condition and connectivity improvement (P,W) Channel bed and bank stabilisation works (W) Removal/replacement of exotic riparian vegetation (W) Maintain existing community based environment activity (E,P)
Condon R2	From National Park boundary down to the junction with Putty Creek	Conservation (Near Intact outside reserve)			<ul style="list-style-type: none"> Develop conservation management agreements to protect remnant riparian vegetation (P)

Near Intact Reaches within reserved lands: Wollemi R1, Ovens Ck R1, Koondah R1, Koondah Trib R1, Condon R1