

Appendix 6 – Catchment Specific Actions by Management Unit 2008/09 to 2012/13

Dandenong Catchment

Management Unit
Blind Creek

Number
3

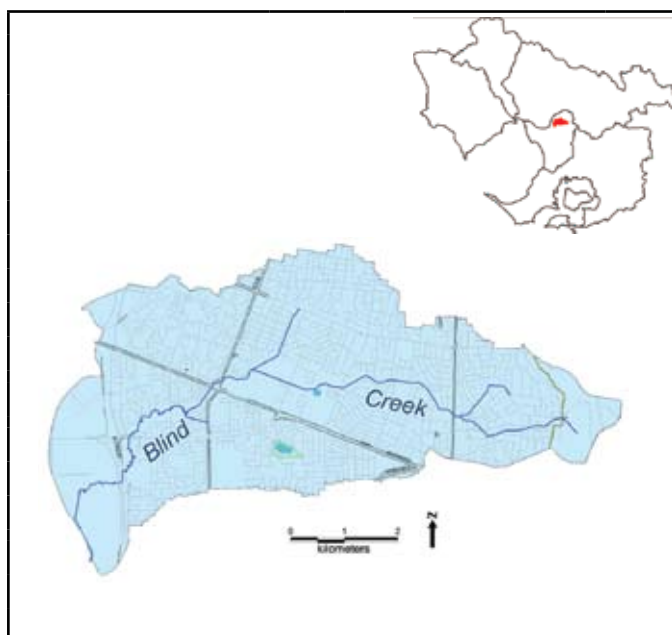
Targets for Management Unit					
	Water quality	Aquatic life	Habitat & stability	Vegetation	Flow
Excellent					
Good			●		
Moderate	●				
Poor		●			
Very poor				●	●

Importance High

	Current	Target
Condition	Poor	Halt Decline
Social Value	Very High	Very High

Five Year Implementation Target Area	Target
No. rivers with negotiated environmental flow regimes	1*
No. rivers with improvements made to environmental flow regimes	1*
Area of streamside land under mgmnt agreement km ²	0.07
Kilometres of streamside land revegetated	7.2
Number of fish barriers removed	-
Number of sites subject to bed and bank stabilisation	-
Kilometres of riparian land subject to weed mgmnt	14.3
No. of plans developed for Rivers and Creeks of high social value	-
Rivers where heritage values protected or improved	-
No. of plans developed for rivers and creeks of high environmental value	-
No. of investigations to fill data gaps	-
No. IRC reaches with instream habitat reinstated	-

* and ^ denotes action which covers multiple MUs counted as one target in the overall targets.



Blind Creek has a largely urban catchment, although its headwaters are within the Dandenong Ranges National Park. Total Kms: 18

Sub-management unit	No.
Blind	160

Program for the Blind Creek Management Unit Specific to Sub-Management Unit

Sub-Mgt Unit	Program	Action	Lead responsibility	Partners	Costs (MW only)
Blind Creek	Aquatic Habitat	Investigate opportunities for improving native fish habitat	Melbourne Water		Guiding
	Channel Form	Implement project to re-engage remnant channel through Boronia and re-create lowflow channel in grassed floodway.	Melbourne Water		\$219,000
	Flow Management	Develop and implement the Dandenong Creek (upper) Stream Flow Management Plan to manage water allocation between private water use and the environment	Southern Rural Water	Melbourne Water, Agencies, Community	\$33,000
	Riparian Management	In partnership with government agencies, local land managers and community groups undertake riparian management with reference to local waterway plans where they exist.	Melbourne Water	Agencies, Community	\$500,000

Management Unit
Corhanwarrabul, Monbulk and Ferny Creeks

Number

8

Targets for Management Unit					
	Water quality	Aquatic life	Habitat & stability	Vegetation	Flow
Excellent			●		
Good	●		●	●	
Moderate	●	●		●	
Poor					●
Very poor					

Importance	Very High
-------------------	-----------

	Current	Target
Condition	Moderate	Good
Social Value	High	High

Five Year Implementation Target Area	Target
No. rivers with negotiated environmental flow regimes	1*
No. rivers with improvements made to environmental flow regimes	1*
Area of streamside land under mgmnt agreement km ²	0.18
Kilometres of streamside land revegetated	20.0
Number of fish barriers removed	-
Number of sites subject to bed and bank stabilisation	2
Kilometres of riparian land subject to weed mgmnt	37.3
No. of plans developed for Rivers and Creeks of high social value	-
Rivers where heritage values protected or improved	1
No. of plans developed for rivers and creeks of high environmental value	-
No. of investigations to fill data gaps	2
No. IRC reaches with instream habitat reinstated	-

* and ^ denotes action which covers multiple MUs counted as one target in the overall targets.



Corhanwarrabul Creek is a major tributary of middle Dandenong Creek, originating in the Dandenong Ranges around Sherbrooke and meeting Dandenong Creek at the Police Road wetlands, Rowville. Total Kms: 50

Sub-management unit	No.	Sub-management unit	No.
Dandenong Ranges	157	Monbulk	67

Program for the Corhanwarrabul, Monbulk and Ferny Creeks Management Unit General

Program	Action	Lead responsibility	Partners	Costs (MW only)
Flow Management	Develop and implement the Dandenong Creek (upper) Stream Flow Management Plan to manage water allocation between private water use and the environment	Southern Rural Water	Melbourne Water, Agencies, Community	\$64,000
Riparian Management	In partnership with government agencies, local land managers and community groups undertake riparian management with reference to local waterway plans where they exist	Melbourne Water	Agencies, Community	\$1,306,000

Program for the Corhanwarrabul, Monbulk and Ferny Creeks Management Unit Specific to Sub-Management Unit

Sub-Mgt Unit	Program	Action	Lead responsibility	Partners	Costs (MW only)
Dandenong Ranges	Aquatic Habitat	Create opportunities to protect remnant platypus population and other significant flora and fauna within the Birdsland Reserve	Melbourne Water		Guiding
	Channel Form	Identify extent of localised bed erosion issue and implement appropriate management solutions	Melbourne Water		\$304,000
	Investigations	Undertake stream health investigations to fill the data gaps	Melbourne Water		\$77,000
	Riparian Management	Target riparian zone management to areas of remnant vegetation and/or creation of habitat links	Melbourne Water	Community	Guiding
Monbulk	Aquatic Habitat	Investigate opportunities for improving native fish habitat	Melbourne Water		\$40,000
	Channel Form	Implement priority actions to address bed and bank stability as identified in the Waterway Activity Plan (in prep) especially downstream of Monbulk Creek Retarding Basin	Melbourne Water		\$296,000
	Investigations	Undertake water quality and fish investigation	Melbourne Water		\$40,000

Appendix 6 – Catchment Specific Actions by Management Unit 2008/09 to 2012/13

Dandenong Catchment

Management Unit

Dandenong Creek (source)

Number

13

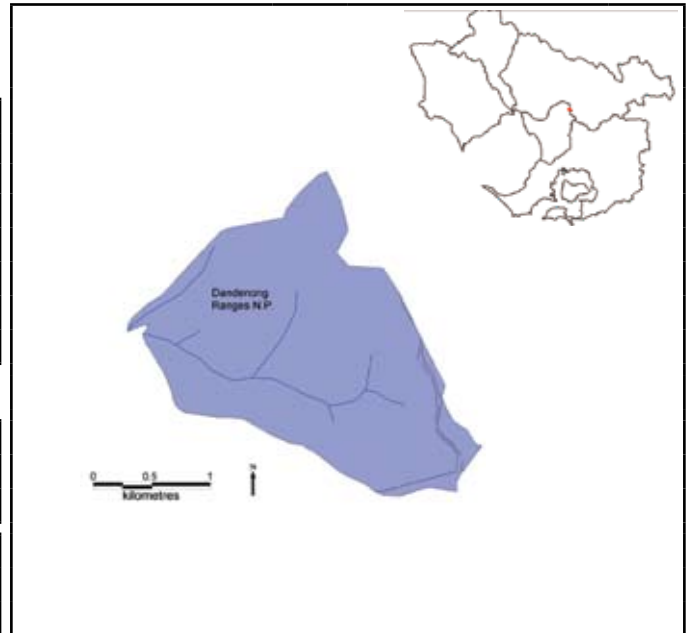
Targets for Management Unit					
	Water quality	Aquatic life	Habitat & stability	Vegetation	Flow
Excellent	●	● ↑		●	●
Good		●	●		
Moderate					
Poor					
Very poor					

Importance	Very High
-------------------	-----------

	Current	Target
Condition	Excellent	Excellent
Social Value	Very High	Very High

Five Year Implementation Target Area	Target
No. rivers with negotiated environmental flow regimes	-
No. rivers with improvements made to environmental flow regimes	-
Area of streamside land under mgmnt agreement km ²	-
Kilometres of streamside land revegetated	-
Number of fish barriers removed	-
Number of sites subject to bed and bank stabilisation	-
Kilometres of riparian land subject to weed mgmnt	4.4
No. of plans developed for Rivers and Creeks of high social value	-
Rivers where heritage values protected or improved	-
No. of plans developed for rivers and creeks of high environmental value	-
No. of investigations to fill data gaps	-
No. IRC reaches with instream habitat reinstated	-

* and ^ denotes action which covers multiple MUs counted as one target in the overall targets.



The Dandenong Creek source is situated in Doongalla Forest near Mount Dandenong. Total Kms: 5

Sub-management unit	No.
Dandenong Creek Upper Forested	5

Program for the Dandenong Creek (source) Management Unit Specific to Sub-Management Unit

Sub-Mgt Unit	Program	Action	Lead responsibility	Partners	Costs (MW only)
Dandenong Creek Upper Forested	Riparian Management	In partnership with government agencies, local land managers and community groups undertake riparian management with reference to local waterway plans where they exist	Melbourne Water	Agencies, Community	\$500,000

Management Unit
Eumemmerring

Number
10

Targets for Management Unit					
	Water quality	Aquatic life	Habitat & stability	Vegetation	Flow
Excellent					
Good					
Moderate	●	●	●	●	●
Poor				●	
Very poor					

Importance	Low
-------------------	-----

	Current	Target
Condition	Poor	Moderate
Social Value	Very High	Very High

Five Year Implementation Target Area	Target
No. rivers with negotiated environmental flow regimes	1*
No. rivers with improvements made to environmental flow regimes	1*
Area of streamside land under mgmnt agreement km ²	0.17
Kilometres of streamside land revegetated	20.0
Number of fish barriers removed	1
Number of sites subject to bed and bank stabilisation	-
Kilometres of riparian land subject to weed mgmnt	36.4
No. of plans developed for Rivers and Creeks of high social value	1
Rivers where heritage values protected or improved	1
No. of plans developed for rivers and creeks of high environmental value	-
No. of investigations to fill data gaps	-

* and ^ denotes action which covers multiple MUs counted as one target in the overall targets.



Rivers and creeks in this unit, including Eumemmerring, Troups, Ti Tree creeks, Hallam Main Drain and Eastern Contour Drain cover areas of Lyndhurst, Hampton Park and Endeavour Hills. Total Kms: 154

Sub-management unit	No.	Sub-management unit	No.
Eumemmerring Creek	43	Lyndhurst	158
Ti Tree	171	Troupes	159

Program for the Eumemmerring Management Unit General

Program	Action	Lead responsibility	Partners	Costs (MW only)
Flow Management	Develop and implement the Dandenong Creek (upper) Stream Flow Management Plan to manage water allocation between private water use and the environment	Southern Rural Water	Melbourne Water, Agencies, Community	\$132,000

Program for the Eumemmerring Management Unit Specific to Sub-Management Unit

Sub-Mgt Unit	Program	Action	Lead responsibility	Partners	Costs (MW only)
Eumemmerring Creek	Aquatic Habitat	Create opportunities to improve habitat for Platypus and Water Rats	Melbourne Water		Guiding
	Plans	Extend Eumemmerring Creek Waterway Plan to incorporate the upper catchment Vegetation Management Plan in interim	Melbourne Water		\$30,000
	Riparian Management	In partnership with government agencies, local land managers and community groups undertake riparian management with reference to local waterway plans where they exist	Melbourne Water	Agencies, Community	\$970,000
Lyndhurst	Riparian Management	In partnership with government agencies, local land managers and community groups undertake riparian management to gradually improve conditions and facilitate future rehabilitation with reference to local waterway plans where they exist	Melbourne Water	Agencies, Community	\$49,000
Ti Tree	Riparian Management	In partnership with government agencies, local land managers and community groups undertake riparian management to gradually improve conditions and facilitate future rehabilitation with reference to local waterway plans where they exist	Melbourne Water	Agencies, Community	\$6,000
Troupes	Riparian Management	Implement priority actions proposed in TBLD (2003) to address future management of the Police Road Retarding Basin	Melbourne Water		Guiding
		In partnership with government agencies, local land managers and community groups undertake riparian management with reference to local waterway plans where they exist	Melbourne Water	Agencies, Community	\$250,000

Appendix 6 – Catchment Specific Actions by Management Unit 2008/09 to 2012/13

Dandenong Catchment

Management Unit
Kananook

Number
34

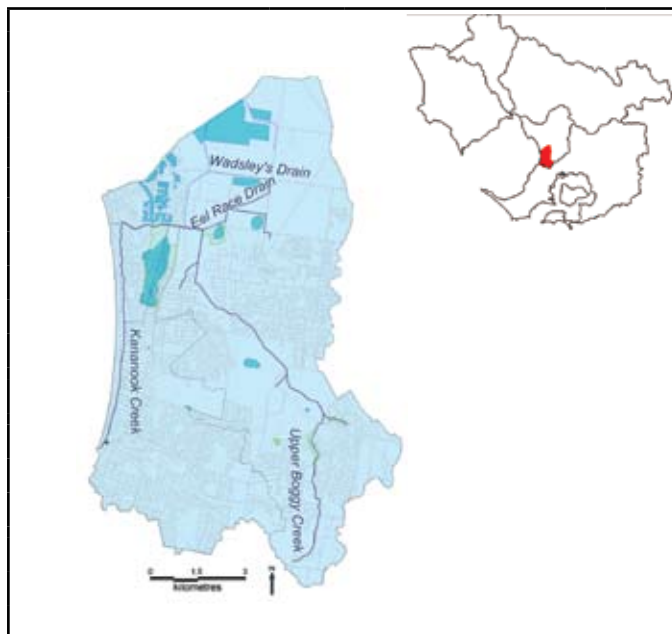
Targets for Management Unit					
	Water quality	Aquatic life	Habitat & stability	Vegetation	Flow
Excellent					
Good			●		
Moderate	●	●			
Poor	●				
Very poor				●	●

Importance High

	Current	Target
Condition	Poor	Halt Decline
Social Value	High	High

Five Year Implementation Target Area	Target
No. rivers with negotiated environmental flow regimes	-
No. rivers with improvements made to environmental flow regimes	-
Area of streamside land under mgmnt agreement km ²	0.08
Kilometres of streamside land revegetated	8.8
Number of fish barriers removed	-
Number of sites subject to bed and bank stabilisation	-
Kilometres of riparian land subject to weed mgmnt	16.1
No. of plans developed for Rivers and Creeks of high social value	-
Rivers where heritage values protected or improved	-
No. of plans developed for rivers and creeks of high environmental value	-
No. of investigations to fill data gaps	-
No. IRC reaches with instream habitat reinstated	-

* and ^ denotes action which covers multiple MUs counted as one target in the overall targets.



The Kananook Creek catchment incorporates areas such as Frankston, Seaford and Carrum Downs. Major tributaries are Boggy Creek, Tamarisk Creek and Eel Race Drain. Total Kms: 44

Sub-management unit	No.	Sub-management unit	No.
Kananook Creek	49	Little Boggy Creek	56

Program for the Kananook Management Unit Specific to Sub-Management Unit

Sub-Mgt Unit	Program	Action	Lead responsibility	Partners	Costs (MW only)
Kananook Creek	Aquatic Habitat	Implement management actions proposed in the Edithvale-Seaford Wetlands RAMSAR Management Plan.	Melbourne Water	Community	\$60,000
		Investigate opportunities for improving native fish habitat	Melbourne Water		Guiding
	Riparian Management	In partnership with government agencies, local land managers and community groups undertake riparian management with reference to local waterway plans where they exist	Melbourne Water	Agencies, Community	\$63,000
		Target riparian zone management to areas of remnant vegetation and/or creation of habitat links	Melbourne Water		Guiding
Little Boggy Creek	Riparian Management	In partnership with government agencies, local land managers and community groups undertake riparian management with reference to local waterway plans where they exist	Melbourne Water	Agencies, Community	\$500,000

Management Unit

Lower Dandenong Creek

Number

9

Targets for Management Unit					
	Water quality	Aquatic life	Habitat & stability	Vegetation	Flow
Excellent					
Good					
Moderate	●		●	●	
Poor	●	●	●		
Very poor					●

Importance	High
-------------------	------

	Current	Target
Condition	Poor	Moderate
Social Value	Very High	Very High

Five Year Implementation Target Area	Target
No. rivers with negotiated environmental flow regimes	-
No. rivers with improvements made to environmental flow regimes	-
Area of streamside land under mgmnt agreement km ²	0.17
Kilometres of streamside land revegetated	19.1
Number of fish barriers removed	3
Number of sites subject to bed and bank stabilisation	2
Kilometres of riparian land subject to weed mgmnt	34.8
No. of plans developed for Rivers and Creeks of high social value	1
Rivers where heritage values protected or improved	-
No. of plans developed for rivers and creeks of high environmental value	-
No. of investigations to fill data gaps	-
No. IRC reaches with instream habitat reinstated	-

* and ^ denotes action which covers multiple MUs counted as one target in the overall targets.



Lower Dandenong Creek commences at Dandenong. The catchment has a strong urban and industrial influence, although rural zones exist around Bangholme and Keysborough. Total Kms: 122

Sub-management unit	No.	Sub-management unit	No.
Dandenong Creek Lower	33	Mile Creek	65
Mordialloc Main Drain	71	Patterson River	74
Elsterwick (no actions)	42		

Program for the Lower Dandenong Creek Management Unit Specific to Sub-Management Unit

Sub-Mgt Unit	Program	Action	Lead responsibility	Partners	Costs (MW only)
Dandenong Creek Lower	Aquatic Habitat	Implement recommendations from the functional design study to address the fish barriers which is the concrete channel through Dandenong	Melbourne Water		\$150,000
	Riparian Management	In partnership with government agencies, local land managers and community groups undertake riparian management with reference to local waterway plans where they exist	Melbourne Water	Agencies, Community	\$49,000
Mile Creek	Aquatic Habitat	Address downstream fish barrier	Melbourne Water		Guiding
	Channel Form	Investigate extent of bed stability issue and implement appropriate management solutions	Melbourne Water		\$100,000
	Riparian Management	In partnership with government agencies, local land managers and community groups undertake riparian management to gradually improve conditions and facilitate future rehabilitation with reference to local waterway plans where they exist	Melbourne Water	Agencies, Community	\$14,000
Mordialloc Main Drain	Aquatic Habitat	Design and construct fishway along Mordialloc Main Drain and Pillars Crossing	Melbourne Water		\$150,000
		Investigate opportunities for improving native fish habitat	Melbourne Water		Guiding
	Riparian Management	In partnership with government agencies, local land managers and community groups undertake riparian management with reference to local waterway plans where they exist	Melbourne Water	Agencies, Community	\$905,000
Patterson River	Aquatic Habitat	Construct a fishway to enable fish passage through National Sports Centre	Melbourne Water		\$200,000
	Channel Form	Investigate the extent of bank erosion and implement appropriate management solutions in Lower Paterson River downstream of Mornington Peninsula Freeway	Melbourne Water		\$500,000
	Plans	Develop Lower Dandenong Creek Waterway Plan	Melbourne Water	Vic Urban	\$50,000
	Riparian Management	In partnership with government agencies, local land managers and community groups undertake riparian management with reference to local waterway plans where they exist	Melbourne Water	Agencies, Community	\$250,000
		Target riparian zone management to areas of remnant vegetation and/or creation of habitat links	Melbourne Water	Community	Guiding

Appendix 6 – Catchment Specific Actions by Management Unit 2008/09 to 2012/13

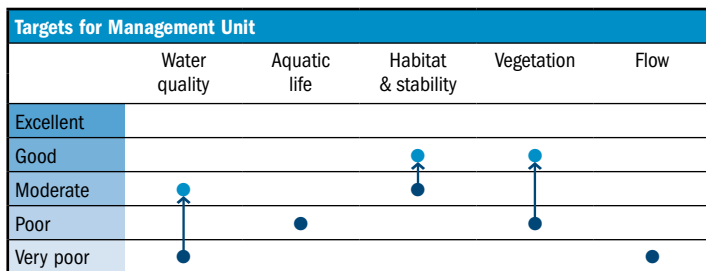
Dandenong Catchment

Management Unit

Middle Dandenong Creek

Number

11



Importance High

	Current	Target
Condition	Poor	Moderate
Social Value	Very High	Very High

Five Year Implementation Target Area	Target
No. rivers with negotiated environmental flow regimes	1*
No. rivers with improvements made to environmental flow regimes	1*
Area of streamside land under mgmnt agreement km ²	0.20
Kilometres of streamside land revegetated	23.3
Number of fish barriers removed	-
Number of sites subject to bed and bank stabilisation	1
Kilometres of riparian land subject to weed mgmnt	42.3
No. of plans developed for Rivers and Creeks of high social value	1
Rivers where heritage values protected or improved	2
No. of plans developed for rivers and creeks of high environmental value	-
No. of investigations to fill data gaps	-
No. IRC reaches with instream habitat reinstated	-

* and ^ denotes action which covers multiple MUs counted as one target in the overall targets.



Middle to upper Dandenong Creek includes the catchment upstream of Dandenong to upper Dandenong Creek and Dobsons Creek at The Basin. Total Kms: 78

Sub-management unit	No.	Sub-management unit	No.
Dandenong Creek Middle	34	Dandenong Creek Upper	35

Program for the Middle Dandenong Creek Management Unit General

Program	Action	Lead responsibility	Partners	Costs (MW only)
Flow Management	Develop and implement the Dandenong Creek (upper) Stream Flow Management Plan to manage water allocation between private water use and the environment	Southern Rural Water	Melbourne Water, Agencies, Community	\$66,000

Program for the Middle Dandenong Creek Management Unit Specific to Sub-Management Unit

Sub-Mgt Unit	Program	Action	Lead responsibility	Partners	Costs (MW only)
Dandenong Creek Middle	Aquatic Habitat	Implement recommendations for the functional design study for removing the barrier provided by the concrete channel through Dandenong	Melbourne Water		\$200,000
		Protect vegetation in wetland in order to conserve important habitat for Dwarf galaxias populations	Melbourne Water		\$20,000
	Channel Form	Continue to investigate extent of bed and bank erosion issues and implement appropriate management solutions	Melbourne Water		\$1,126,000
	Plans	Vegetation Management Plans	Melbourne Water		\$60,000
	Riparian Management	In partnership with government agencies, local land managers and community groups undertake riparian management with reference to local waterway plans where they exist	Melbourne Water	Agencies, Community	\$1,125,000
Dandenong Creek Upper	Aquatic Habitat	Investigate opportunities for improving native fish habitat	Melbourne Water		Guiding
	Riparian Management	In partnership with government agencies, local land managers and community groups undertake riparian management with reference to local waterway plans where they exist	Melbourne Water	Agencies, Community	\$357,000