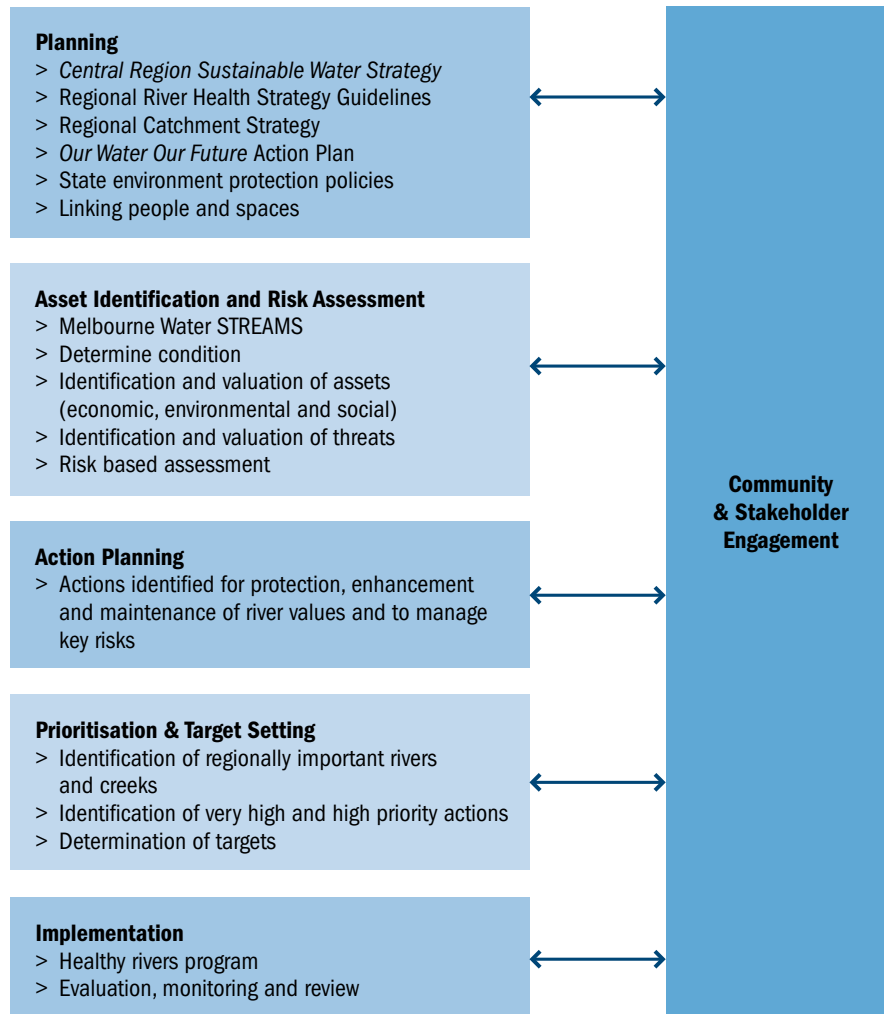


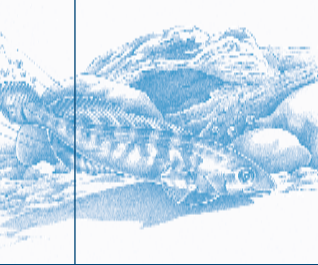
Appendix 1:

Process used to develop the strategy



Stakeholder and Community Engagement Workshops and Meetings

Engagement Process	Achievements	Stakeholder and Community Involvement
Pre release of the draft strategy		
Regional River Health Strategy Steering Committee	<ul style="list-style-type: none"> • Ensure satisfactory completion of the RRHS • Communicate the RRHS within respective organisations • Ensure consistency with VRHS guidelines 	<ul style="list-style-type: none"> • Melbourne Water – Peter Rankin (Chair), Jane Bateson (Project Manager) and Phillip Neville • Port Phillip and Westernport CMA – David Buntine • Department of Sustainability & Environment – Deb Brown, Alieta Donald and Sue Hadden • Department of Primary Industries – Mike Ransom • West Gippsland CMA – Geoff Hocking • Southern Rural Water – Brett Millington • Environment Protection Authority – Ian Morgans/Tim Fisher • Environment Victoria – Natalie Jamieson (part) • Jim Berg, a member of the indigenous community contributed to the Steering Committee on an as-needed basis
Regional River Health Strategy Working Group	<ul style="list-style-type: none"> • Provide technical and expert advice on the development of the strategy • Consider feedback from stakeholder workshops 	<ul style="list-style-type: none"> • Jane Bateson, Project Manager, Melbourne Water • Rhys Coleman, Aquatic Scientist, Melbourne Water • Vin Pettigrove, Senior Aquatic Scientist, Melbourne Water • Graham Rooney, Research Manager, Melbourne Water • David Taylor, Senior Waterway Planner, Melbourne Water • Sharyn RossRakesh, Waterway Planner Melbourne Water • Rod Hardwick, Project Officer, Sinclair Knights Merz • Martin Hartigin and Ian Morgans, Port Phillip and Westernport CMA • Kym Mallamaci, Department of Primary Industries • Brett Millington, Southern Rural Water
Catchment Stakeholder Workshops	<ul style="list-style-type: none"> • Decide on social and economic values for waterway units • Review value, threat and risk ratings • Review management actions 	<p>Based on Port Phillip and Westernport CMA Catchment Committees. Representation included:</p> <ul style="list-style-type: none"> • Melbourne Water • Port Phillip and Westernport CMA • Department of Primary Industries • Department of Sustainability & Environment • EPA Victoria • Parks Victoria • Southern Rural Water • Local Government • Retail Water Companies • Community Groups & community members • Victorian Farmers Federation
Market research	Identify community views about waterways	Population samples for several years over the last 10 years
Consultation with Indigenous Communities	<ul style="list-style-type: none"> • Inception session to determine appropriate consultation strategy • Cross cultural training for project members • Interviews with Indigenous Community members in environment organisations; Parks Victoria, Greening Australia and Royal Botanic Gardens • Workshop with Indigenous Community members 	<ul style="list-style-type: none"> • Koorie Heritage Trust staff and members • Aboriginal Affairs Victoria • Willaurung Group • Ballarat and District Aboriginal Cooperative • Gippsland community • Victorian Boonerwung Elders Land Council Aboriginal Corporation • Bunurong Land Council Aboriginal Corporation



Appendix 2: Stakeholder and Community Engagement Workshops and Meetings continued

Engagement Process	Achievements	Stakeholder and Community Involvement
<p>Melbourne Water Waterways and Drainage Customer Advisory Committee</p> <p>This committee has been reconstituted to be the Waterways Advisory Committee, and membership has been expanded to cover stakeholders in the region.</p>	<p>Establish support and understanding for the RRHS process and contents among the greater Melbourne waterway community</p>	<ul style="list-style-type: none"> • Friends of Steele Creek – Helen van de Berg • Lensworth Highlands Pty Ltd – Steve Copland • Environment Victoria – David Sealey • RMIT – Dimity Reed • Peninsula Environment Council – Peter Carroll • Department of Civil Engineering Monash University – Prof Russell Mein • Department of Primary Industries – Mike Ransom • Port Phillip and Westernport Catchment Management Authority – Dr Mick Lumb • City of Manningham – Claude Cullino • Victorian Farmers Federation – Graham Osborne
<p>Post release of the draft strategy</p>		
<p>Local Government, EPA Victoria, DSE and community workshop</p> <p>(16 workshops held in the five basins of the region)</p>	<p>Raise awareness of the draft strategy and provide an opportunity for input into the draft strategy before it is finalised</p>	<ul style="list-style-type: none"> • Local Government representatives • Community Group representatives • Landholders and other members of the community • State Government agency representatives
<p>Press releases, targeted information articles, and advertisements</p>	<p>Increase awareness of the draft strategy within the general community and interested waterway stakeholders and assist in enabling comment on the draft strategy</p>	
<p>Public display of the draft strategy</p>	<p>Obtain community review and comment on the draft strategy</p>	<p>Open to all stakeholders and members of the community</p>
<p>Three follow up meetings to discuss comments with DSE Victoria</p>	<p>To discuss comments and agree to a way forward for incorporation of comments</p>	<p>DSE Flora and Fauna representatives, DSE Environmental Water Reserve and River Health team representatives and DSE region representatives</p>
<p>Follow up meeting to discuss comments with EPA Victoria</p>	<p>To discuss comments and agree to a way forward for incorporation of comments</p>	<p>EPA Victoria representatives</p>
<p>Follow up meeting to discuss comments with DPI Victoria</p>	<p>To discuss comments and agree to a way forward for incorporation of comments</p>	<p>DPI representatives</p>
<p>Follow up meeting to discuss comments with Parks Victoria</p>	<p>To discuss comments and agree to a way forward for incorporation of comments</p>	<p>Parks Victoria</p>
<p>Follow up meeting to discuss comments with Local Government (5 meetings)</p>	<p>To discuss comments and agree to a way forward for incorporation of comments</p>	<p>Local governments</p>

Important Rivers and Creeks

Table 2A: Important Rivers and Creeks
Criteria for determining level of Importance

Importance	Value	Risk	Other Criteria
Very high	All three social, environmental and economic values very high or high	N/A	Ecologically healthy, Representative river or Heritage river reach within sub-management unit
High	Very high or high value for one of social, environmental or economic value	Connection between very high/high value and very high/high risk i.e. If high social value and high risk to the social values	
Moderate	Very high or high value for one of social, environmental or economic value	Moderate or low risk to the value	
Low	All other sub-management units		

Very High Importance

Sub-management Unit	River & Creek Unit (Management Unit)	Ecologically Healthy	Heritage River	Social, Environmental and Economic Value (High or Very High)
Werribee				
Korweinguboorra	Upper Werribee	●		
Lerderderg Lower	Lerderderg River			●
Lerderderg Middle	Lerderderg River		●	●
Lerderderg Upper	Lerderderg River	●	●	
Lower Werribee	Lower Werribee			●
Werribee Gorge	Middle Werribee			●
Werribee Headwaters	Upper Werribee			●
Maribyrnong				
Bolinda	Emu Creek	●		
Deep Lower Middle	Deep Creek Lower	●		
Riddles Upper/Baringo	Jacksons Creek	●		●
Yarra				
Arthurs/Running Creek Upper Forested	Diamond Creek (source)	●		
Cockatoo Creek	Woori Yallock	●		
Cockatoo Creek Upper Forested	Woori Yallock	●		
Diamond Creek Upper Forested	Diamond Creek (source)	●		
Diamond Creek Upper	Diamond Creek (rural)	●		
Graceburn/Coranderrk Upper Forested	Watts River (source)	●		●
Hoddles Creek	Little Yarra and Hoddles Creek	●		
Little Yarra	Little Yarra and Hoddles Creek	●		
Little Yarra Upper Forested	Little Yarra and Hoddles Creek	●		
Olinda Creek Upper Forested	Olinda Creek	●		
Pauls Creek Forested	Steels and Pauls Creek (source)	●		
Pauls Creek	Steels and Pauls Creek (rural)	●		
Plenty River Upper	Plenty River (rural and Lower)	●		
Plenty River Upper Forested	Plenty River (source)	●		

Appendix 3: Important Rivers and Creeks continued

Very High Importance continued

Sub-management Unit	River & Creek Unit (Management Unit)	Ecologically Healthy	Heritage River	Social, Environmental and Economic Value (High or Very High)
Yarra				
Steels Creek Upper Forested	Steels and Pauls Creek (source)	●		
Watsons Creek Upper Forested	Watsons Creek	●		
Watts River Upper Forested	Watts Source	●		●
Watsons Creek	Watsons Creek	●		
Yarra River Upper Forested	Upper Yarra (source)	●		
Yarra River (Healesville)	Upper River (rural)	●	●	
Yarra River Upper Forested	Upper River (source)	●		
Yarra River Upper	Upper River (rural)	●	●	●
Yarra River (Warrandyte)	Middle and Lower Yarra		●	
Yarra River (Yering)	Upper River (rural)		●	●
Dandenong				
Dandenong Creek Upper Forested	Dandenong Creek (source)	●		●
Dandenong Ranges	Corhanwarrabul, Monbulk and Ferny Creeks			●
Upper Cardinia	Cardinia, Toomuc, Deep, Ararat			●
Westernport				
Bunyip/Cannibal Upper Forested	Middle and Upper Bunyip	●		
Bunyip/Cannibal	Middle and Upper Bunyip	●		
French Island	French/Phillip Island	●		
Tarago River Upper Forested	Tarago	●		

High Importance

Sub-management Unit	River & Creek Unit (Management Unit)	High Environmental Value and High Environmental Risk	High Economic Value and High Economic Risk	High Social Value and High Social Risk
Werribee				
Dale	Upper Werribee River	●		●
Djerriwarrh	Middle Werribee	●	●	
Djerriwarrh Forest	Middle Werribee	●		●
Goodman Lower	Lerderderg River		●	
Kororoit Creek	Lower Kororoit Creek			●
Lower Toolern	Middle Werribee			●
Korkuperimmul	Middle Werribee		●	
Myrmiong	Middle Werribee		●	
Pyrites Lower	Middle Werribee	●		●
Pykes Reservoir	Middle Werribee			●
Toolern	Middle Werribee		●	
Upper Parwan and Spring	Parwan Creek		●	
Werribee Melton Reservoir	Lower Werribee		●	●
Werribee Upper	Upper Werribee		●	●

High Importance continued

Sub-management Unit	River & Creek Unit (Management Unit)	High Environmental Value and High Environmental Risk	High Economic Value and High Economic Risk	High Social Value and High Social Risk
Maribyrnong				
Bolinda	Emu		●	
Deep (Lancefield)	Deep Creek Upper	●		
Deep Lower	Deep Creek Lower		●	
Deep Middle	Deep Creek Upper		●	
Emu	Emu Creek		●	
Emu Upper	Emu Creek		●	
Jacksons Lower	Jacksons Creek	●		●
Jacksons Middle	Jacksons Creek		●	
Jacksons Upper	Jacksons Creek		●	
Kongaderra	Deep Creek Lower		●	
Maribyrnong Gorge	Maribyrnong River		●	●
Riddles Lower/Sandy	Jacksons Creek		●	
Stony Creek	Stony Creek			●
Yarra				
Mullum Mullum Creek	Mullum Mullum Creek			●
Arthurs/Running Creek	Diamond Creek (rural)	●		
Darebin Creek (Lower)	Darebin Creek (urban)			●
Diamond Creek Lower	Diamond Creek (rural)		●	
Gardiners Creek	Gardiners Creek			●
Grace Burn/Coranderrk	Watts River (rural)	●		●
Merri Creek Lower	Lower Merri Creek			●
Moonee Ponds Lower	Moonee Ponds			●
Olinda Creek	Olinda Creek		●	●
Plenty Gorge	Plenty River (rural and lower)	●	●	
Plenty River (Lower)	Plenty River (rural and lower)		●	●
Watts River	Watts River (rural)			●
Woori Yallock Creek	Woori Yallock	●		●
Yarra River (Lower)	Middle and Lower Yarra		●	●
Dandenong				
Blind	Blind Creek			●
Dandenong Creek Lower	Lower Dandenong Creek		●	●
Dandenong Creek Middle	Middle Dandenong Creek		●	●
Dandenong Creek Upper	Middle Dandenong Creek		●	●
Eumemmerring Creek	Eumemmerring		●	●
Kananook Creek	Kananook		●	
Little Boggy Creek	Kananook			●
Monbulk Creek	Corhanwarrabul, Monbulk and Ferry Creeks		●	
Patterson River	Lower Dandenong Creek		●	●
Westernport				
Ararat Creek	Cardinia, Toomuc, Deep, Ararat	●		
Bass Upper	Bass	●		
Balcombe	West Peninsula Rivers and Creeks			●
Dunns	West Peninsula Rivers and Creeks			●
Main	South-Eastern Peninsula			●
Merricks/Coolart/Stoney	South-Eastern Peninsula	●		●
Tarago River	Tarago		●	
Toomuc Creek	Cardinia, Toomuc, Deep, Ararat	●		●
Tooradin Road Drain	Dalmore Outfalls			●

Appendix 3: Important Rivers and Creeks continued

Moderate Importance

Sub-management Unit	River & Creek Unit (Management Unit)	High Environmental Value and Moderate Environmental Risk	High Economic Value and Moderate Economic Risk	High Social Value and Moderate Social Risk
Werribee				
Goodman Upper	Lerderderg River	●		
Kororoit East Branch	Kororoit Rural			●
Kororoit Rural	Kororoit Rural			●
Kororoit West Branch	Kororoit Rural			●
Lower Little River	Little River			●
Middle Little River	Little River			●
Upper Little River	Little River		●	●
Parwan Creek Lower	Parwan Creek			●
Pyrites Upper	Middle Werribee	●	●	
Werribee Outfall	Lower Werribee		●	●
Maribyrnong				
Deep (Bulla)	Deep Creek Lower	●	●	
Deep (Romsey)	Deep Creek Lower	●		
Jacksons Rosslynne Reservoir	Jacksons Creek		●	
Maribyrnong Lower	Maribyrnong River		●	●
Dandenong				
Mordialloc Main Drain	Lower Dandenong Creek		●	●
Westernport				
Ararat Creek-forested Ballar	Cardinia, Toomuc, Deep, Ararat West Peninsula	●	●	

Low Importance

Sub-management Unit	River and Creek Unit	Sub-management Unit	River and Creek Unit
Werribee		Westernport	
Cherry Main Drain	Cherry Creek	Bass Outfall	Bass
Laverton	Laverton	Bass Lower	Bass
Lollypop	Lower Werribee	Bass Middle	Bass
Lower Little River	Little River	Bunyip Lower	Lower Bunyip
Skeleton Creek	Skeleton Creek	Bunyip Drains	Lower Bunyip
Stony Hut	Upper Werribee	Cardinia/Gum Scrub	Cardinia, Toomuc, Deep, Ararat
Maribyrnong		Ararat Creek	Cardinia, Toomuc, Deep, Ararat
Boyd	Deep Creek Upper	Christies Drain	Dalmore Outfalls
Deep Upper	Deep Creek Upper	Deep Creek S.E.	Cardinia, Toomuc, Deep, Ararat
Yarra		Drum Drum Alloc	West Peninsula
Andersons Creek	Middle and Lower Yarra	Hastings North	North Eastern Peninsula
Brushy Creek	Brushy Creek	Lang Lang	Lang Lang
Chirside Park	Middle and Lower Yarra	Lang Lang Lower	Lang Lang
Edgars Creek	Merri Creek (urban)	Langwarrin Creek	Dalmore Outfalls
Jumping Creek	Middle and Lower Yarra	Little Lang Lang	Lang Lang
Koonung Creek	Koonung Creek	Mackay Drain	Lower Bunyip River
Merri Creek Upper	Merri Creek (rural and forested)	Manton	South-Eastern Peninsula
Moonee Ponds Upper	Moonee Ponds	Minnieburn/O'Mahoneys	Lang Lang River
Ruffeys/Salt/Banyule	Middle and Lower Yarra	Monomeith Drain	Lower Bunyip River
Steels Creek	Steels and Pauls (rural)	Phillip Island	French/ Phillip Island
Stringybark Creek	Stringybark Creek	Sheepwash	West Peninsula
Wandin Yallock	Woori Yallock	Tassels	West Peninsula
Dandenong		Tanti	West Peninsula
Lyndhurst	Eumemmerring	Watsons Creek South East	North Eastern Peninsula
Mile Creek	Lower Dandenong Creek	Western Outfall Drain	Dalmore Outfalls
Ti Tree	Eumemmerring	Yallock/King Parrot/Musk	Lower Bunyip River
Troupes	Eumemmerring		

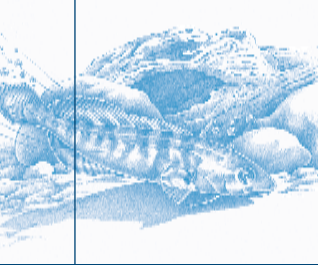
Prioritisation of river health actions

Table 3A: Scoring Criteria for prioritisation of actions

Criteria	Score
Public concern/support	
No major outrage or concern if action not a high priority and/or no public support	1
Public/political concern if action not a high priority and/or some public support	2
Public/political outrage if action not a high priority and/or public highly supportive of action	3
Opportunity	
Little difficulty to implement action e.g. technology available, feasible etc	3
Moderately difficult to implement action, but not impossible	2
Difficult to implement action or almost impossible to implement action	1
Multiple benefits	
Action improves multiple values or addresses multiple risks	3
Action does not improve multiple values or address multiple risks	1
Downstream benefits	
Required to protect important downstream environment such as Ramsar wetland	20
Indirect Link	10
No downstream benefit	0
Return on investment	
Low return on investment (IOB)	1
Medium return on investment (IOB)	2
High return on investment (IOB)	3
Link to significance	
Direct link to criteria for regional importance of sub-management unit, i.e. social, economic or environmental	15
Indirect link to criteria for regional importance of sub-management unit, i.e. social, economic and environmental	10
No link to criteria for regional importance of sub management unit, i.e. social, economic and environmental	1

Table 3B: Rating for priority

Score	Level of priority	Timeframe
>24	Very high priority	1-5 years
18-23	High priority	5-10 years
12-17	Moderate	10-15 years
6-11	Low	>15 years



Appendix 5: Targets

The table below outlines the five-year implementation targets. These targets will be used to measure the outcomes of river health actions undertaken over the first five years of the strategy implementation.

Target area	Target
Number of rivers with negotiated environmental flow regimes	13
Number of rivers with improvements made to environmental flow regimes	16
Area of streamside land under management agreements	10 km ²
Kilometres of streamside land revegetated*	1026 km
Number of barriers where fish passage is improved	27
Length of river subject to streamside weed control	1021 km
Number of plans developed for rivers and creeks of high social value	8
Rivers where heritage values are protected or improved	28
Number of plans developed for rivers and creeks of high environmental value	8
Number of investigations to fill data gaps in high value or high risk rivers or creeks	17
Number of sites subject to bed and bank stabilisation	72
Number of IRC reaches with instream habitat reinstated	8

* kilometres of rivers and creeks for streamside zone revegetation may overlap with kilometres of weed control, Implementation of the five year targets began in the 2005/2006 financial year

The table below outlines the ten-year resource condition targets based on implementation of the five-year program outlined in this draft strategy. These targets will be used to measure the change in the condition of rivers and creeks.

Target area	Target
Length of rivers and creeks in excellent or good IRC condition	3500 km
Number of high value river reaches meeting environmental flow objectives	5
Length of river showing improvement in streamside condition	3600 km
Length of river with improvement in IRC physical form sub-index rating	3400 km
Improvement in IRC aquatic life sub-index rating	2800 km
Increase in river length made accessible for fish movement	1500 km
Kilometres of Ecologically Healthy Rivers reaches maintained	1300 km
Percentage of monitoring sites meeting SEPP objectives or regional targets established through the SEPP "WoV" risk assessment process	80%

Implementation of the five year targets began in the 2005/2006 financial year.

Agreed water quality targets for the reduction in nutrient, salinity and sediment loads will be developed as part of the "Better Bays and Waterways" - water quality improvement plan for the Port Phillip and Westernport region.

Table 1

Table of implementation targets showing the overall target, and the target for each management area. Management actions may cover more than one management unit. For example, a negotiated flow agreement for a single river may cover more than one management unit so the targets for each management unit may not necessarily sum to the overall target. This applies to the targets of numbers of rivers with negotiated environmental flow regimes, number of rivers with improvements to environmental flow regimes, number of plans developed for rivers and creeks of high social and/or environmental value and number of investigations to fill data gaps in high value or high risk rivers and creeks (see tables below for more detail and refer to section 2 of the Resource CD for assumptions and methods used to compile targets).

River and Creek	No. of rivers with negotiated environmental flow regimes	No. of rivers with improvements to environmental flow regimes	Area of streamside under management agreement	Streamside revegetated (km)	No. of barriers where fish passage is removed	Riparian land subject to weed management (km)	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. investigations to fill data gaps in high value or high risk rivers and creeks	No. of sites subject to bed and bank stabilisation	No. of IRC reaches with instream habitat reinstated
Overall Target	13	16	10	1026	27	1021	8	28	8	17	72	8
Bass River			.3	22		26.6			1	1	2	
Blind Creek												
Brushy Creek				5		5						
Bunyip Lower	1	1	0.6	52		20					1	
Cardinia, Toomuc, Deep, Ararat	1	1	0.4	54	1	50		2		1	1	1
Cherry Creek												
Corhanwarrabul, Monbulk and Ferny Creeks	1	1		5		5		1				1
Dalmore Outfalls			0.7	8		5		1				
Dandenong Creek (Middle)				10		20		2				
Dandenong Creek (Source)			0	5		5						
Darebin Creek (Rural)	1	1		5		5						
Darebin Creek (Urban)				5		10		1				
Deep Lower	1	1	0.4	40		40	1		1	1	4	
Deep Upper	1	1	0.5	10		10	1	1	1	1		
Diamond Creek (Rural)		1	1	44		56				1	1	
Diamond Creek (Source)						9				1		
Emu Creek	1	1										
Eumemmerring				5		5	1	1				1
French/Phillip Island			0.1	5		5				1		
Gardiners Creek				5		10		1			1	
Jacksons Creek	1	1	0.1	14	3	14	1		1	1		

Appendix 5: Targets continued

River and Creek	No. of rivers with negotiated environmental flow regimes	No. of rivers with improvements to environmental flow regimes	Area of streamside under management agreement	Streamside revegetated (km)	No. of barriers where fish passage is removed	Riparian land subject to weed management (km)	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. investigations to fill data gaps in high value or high risk rivers and creeks	No. of sites subject to bed and bank stabilisation	No. of IRC reaches with instream habitat reinstated
Overall Target	13	16	10	1026	33	1021	8	28	8	17	72	8
Kananook Creek				5		10						1
Koonung Creek												
Lang Lang River			0.6	56	1	45					2	
Laverton												
Lerderderg			0.1	5		10				1		
Little River			0	22		11						
Little Yarra & Hoddles		1	0.4	40	2	40		1	1	1		1
Lower Dandenong				2	2	10						1
Kororoit Creek (Lower)				14		14						
Werribee (Lower)	1	1	0.1	20	2	20	1		1	1		
Maribyrnong	1	1	0.1	12		6		2				
Merri Creek (Rural)				10		5						
Merri Creek (Urban)			0.1	14		7		1				
Yarra River (Middle and Lower)	1	1	0.2	34	1	20	1	2	1	1		
Middle Werribee	1	1	0.1	40		40	1	1	1	1		
Moonee Ponds				5		10		1				
Mullum Mullum				10		15						
North Eastern Peninsula				5	2	10						
Olinda	1	1	0.1	12		16		1		1		
Parwan	1	1										
Plenty River (rural & lower)	1	1	1	42	1	40		1				1
Plenty River source	1	1										
Skeleton Creek				5		5						
South East Peninsula	1	1	0.4	18	2	22	2	1	1	1	1	
Steele Creek				5								
Steels and Pauls rural	1	1	0.2	12		12						
Steels and Pauls source												
Stony Creek				5		5		1				
Stringybark			0.1	5				1				
Tarago	1	1	0	20		20				1		
Taylors Creek			0.5	5		6						

River and Creek	No. of rivers with negotiated environmental flow regimes	No. of rivers with improvements to environmental flow regimes	Area of streamside under management agreement	Streamside revegetated (km)	No. of barriers where fish passage is removed	Riparian land subject to weed management (km)	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. investigations to fill data gaps in high value or high risk rivers and creeks	No. of sites subject to bed and bank stabilisation	No. of IRC reaches with instream habitat reinstated
Overall Target	13	16	10	1026	33	1021	8	28	8	17	72	8
Upper and middle Bunyip			1	46	2	46					2	1
Upper Kororoit Creek			0.1	5	5	12					2	
Upper Werribee	1	1	0.1	30		30				1		
Upper Yarra rural	1	1	1	40	1	50	1	5	1	1		1
Upper Yarra source	1	1	0.2	40		45				1		
Watsons Creek (Yarra)			0.1	30		30				1		
Watts rural	1	1	0.3	26	1	26		2		1		
Watts source				8		8		2		1		
West Peninsula			0.2	30		15		2				
Woori Yallock	1	1	1	54	1	60				1		

* kilometres of Rivers and Creeks for streamside zone revegetation may overlap with kilometres of weed control

List of rivers with negotiated environmental flows

The table below identifies the 13 rivers that are included in the target.

River system	Lead Agency Responsibility
Cardinia	SRW
Corhanwarrabul, Monbulk & Ferny	SRW
Darebin	MWC
Upper Maribyrnong	SRW
Bunyip	SRW
Werribee	DSE
Yarra (main stem)	DSE
Olinda	MWC
Plenty	MWC
South-Eastern Peninsula	SRW
Steels, Pauls & Dixons	MWC
Tarago	DSE
Woori Yallock	MWC

Appendix 5: Targets continued

List of rivers with improved environmental flows

The table below identifies the 16 rivers that are included in the target.

Cardinia	Corhanwarrabul
Deep Creek/Emu Creek (Upper Maribyrnong)	Werribee
Olinda	Steels, Pauls and Dixons
Tarago	Woori Yallock
Bunyip	South Eastern Peninsula
Yarra (main stem)	Plenty
Darebin	Diamond
Hoddles	Maribyrnong

List of Waterways Plans

A waterway plan can take many forms as different types of plans will be applied to different contexts and waterway management needs within the region. Examples of plans include waterway management activity plans that analyse in detail a range of waterway and management issues interfacing with the stream corridor; geomorphological studies that investigate stream channel characteristics, behaviour and change over time; and rural opportunity plans that are designed to provide an overview of management issues along rural waterway frontages and plan for rehabilitation."

The table below identifies which plans are included in the eight plans for the target "Number" of plans developed for rivers and creeks with high social and/or environmental value. It has been assumed that if a plan is assigned to a management unit as both one for high social and high environmental, only one plan will be produced, but that it covers both social and environmental aspects of that management unit.

Management unit	High Social value	High Environmental value	Action in Resource document for that management unit?
Deep Creek Lower (23) and Deep Creek Upper (24)	Deep Creek	Deep Creek	"develop the Deep Creek Waterway Plan"
Jacksons (31)	Jacksons Creek	Jacksons Creek	"develop the Jackson's Creek Waterway Plan"
Lower Werribee (22)	Werribee (lower)	Werribee (lower)	"develop the Werribee River Waterway Plan"
Middle Werribee (61)	Upper Werribee	Upper Werribee	"develop Upper Werribee western tributaries plan"
Middle and Lower Yarra (62) and Upper Yarra rural (37)	Middle Yarra	Yarra	"develop the Middle Yarra Waterway Plan"
South East Peninsula (47)	Merricks Coolart Stony	Merricks Coolart Stony	"develop the Merricks/Coolart/Stony Waterway Plan"
South East Peninsula (47)	Main Creek		"develop the Main Creek (Peninsula) Waterway Plan"
Eumemmerring (10)	Eumemmerring Creek		"extend plan to include upper catchment"
Little Yarra and Hoddles Creek (18)		Hoddles	"develop the Hoddles Creek Waterway Plan"
Bass (2)		Bass	"develop the Upper Bass Waterway Plan"

Legislation and programs relevant to river and creek management

Federal and State legislation

Archaeological and Aboriginal Relics Preservation Act 1972
Catchment and Land Protection Act 1994
Conservation, Forests and Lands Act 1987
Crown Lands (Reserves) Act 1978
Environmental Protection and Biodiversity Conservation Act (1999)
Environment Protection Act 1970
Environment Effects Act 1978
Fisheries Act 1995
Flora and Fauna Guarantee Act 1988
Forests Act 1958
Cultural Heritage Act 1984
Heritage Rivers Act 1992
Land Act 1958
Melbourne Water Act 1992
Melbourne and Metropolitan Board of Works Act 1958
Minerals and Resources Development Act 1990
National Parks Act 1975
National Strategy for Ecologically Sustainable Development 1992
Planning and Environment (Planning Schemes) Act 1996
Reference Areas Act 1978
State Environment Protection Policy (Waters of Victoria) 2003
State Environment Protection Policy – schedule F6 Port Phillip Bay 1997
State Environment Protection Policy – schedule F7 Waters of the Yarra Catchment 1999
State Environment Protection Policy – schedule F8 Waters of Western Port and Catchment Water Act 1989
Wildlife Act 1975

International Treaties

RAMSAR 1971
JAMBA 1986
CAMBA 1974

Federal programs

National Water Quality Management Strategy (NWQMS)
Natural Heritage Trust (NHT)
National Action Plan (NAP) for Salinity and Water Quality 2000
Council of Australian Governments (COAG) agreement on water reform

State programs

Victorian Nutrient Management Strategy 1995
Victoria's Draft Native Vegetation Management Framework – A Framework for Action 2000
Victorian Flood Management Strategy 1998
Victorian Coastal Strategy 2002
Victorian Biodiversity Strategy 1997
Victorian Pest Management – A Framework for Action 2002
Victoria's Water Recycling Action Plan 2002
Victorian River Health Strategy 2002
Victoria's Salinity Management Framework 2000
Victorian Government White Paper *Securing Our Water Future Together*
Rivers 2050 – The future of rivers in Victoria 1999
Stream Flow Management Plan Framework 2002
Victorian Stormwater Action Program 2000
Victorian State Fishways Program
Municipal Strategic Statements and Local Planning Policies.

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ISBN 09751 89999

Printed on recycled and oxygen bleached paper.

