Figure 26 - Location of continuous stream monitoring station and stream salinity levels at stream monitoring sites.

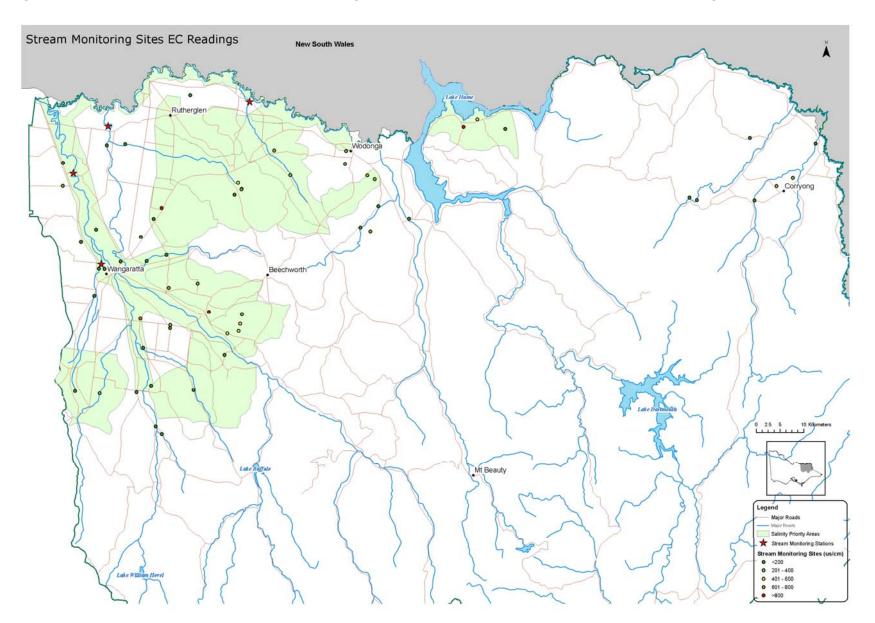


Table 27 - Salinity levels of stream monitoring sites in the region (Average Jan 05-Mar 06)

Site No	Name	Road/Description	Location	Average EC (μS/cm)
NE001	Corryong Creek	Lamberts Lane	Towong	110
NE002	Corryong Drainage	Kiells Lane	Corryong	243
NE003	Parish Lane Drainage	Parish Lane	Corryong	375
NE004	Stoney Creek	Cudgewa North Rd	Cudgewa North	110
NE005	Nariel Creek	Murray Valley Hwy	Colac Colac	107
NE006	Cudgewa Creek	Nicholls Rd	Berringama	121
NE007	Cudgewa Creek	Murray Valley Hwy	The Needles	127
NE008	Kiewa River	Kiewa East Rd	Kiewa	50
NE009	Yackandandah Creek 1	Lindsay Rd	Staghorn Flat	91
NE010	Gap Flat Creek	Allans Flat Rd	Allans Flat	330
NE011	King River	Edi -Cheshunt Rd	Edi	48
	Whorouly Crk	Carboor Whorouly Rd	Whorouly	117
NE013	Billabong Crk	Opp Nish Rd	Peechelba	175
NE014	Burgoigee Crk (Upper)	Ferguson Lane	Murmungee	325
	North drain (wattle)	Ferguson Lane	Murmungee	576
NE016	South Drain Sloped Spillway (gummy)	Ferguson Lane	Murmungee	497
NE017	Burgoigee Crk (Lower)	Railtrail off Ovens HWY	Murmungee	582
NE018	Woolshed Creek	Allans Lane	Milawa	207
NE019	Horseshoe Creek 1	Allans Lane	Milawa	198
NE020	Boggy Creek	Wangaratta-Whitfield Rd	Moyhu	94
	Meadow Crk	Kooringal Park Lane	Meadow Crk	147
NE022	Hurdle Crk (Upper)	Murphys Lane	Carboor	93
NE023	Hurdle Crk (Lower)	Oxley Meadow Crk Rd	Docker	175
	Black Range Crk	Edi-Cheshunt Rd	Edi	88
NE025	Yackandandah Creek 2	Osbornes Flat Rd/Gap Flat Rd	Allans Flat	86
	Factory Crk	Moyhu Hansonville Rd	Hansonville	382
NE027	Fifteen Mile Crk	Moyhu Hansonville Rd	Greta	88
NE028	Horseshoe Creek 2	Diffey Rd	Everton	816
NE029	Fifteen Mile Crk	Arundels Lane	South Wangaratta	50
NE030	Three Mile Creek	Williams Rds	Wangaratta	163
NE031	Hodgson Crk (Upper)	Dickens Rd	Everton Upper	201
NE032	Hodgson Crk (Lower)	River Rd	Tarrawingee	211
NE033	Woolshed/Horseshoe 1	Oxley Meadow Crk Rd	Oxley	667

NE034	Reedy Creek	Old Hume Hwy	Wangaratta	82
NE035	One Mile Creek	Phillipson St near school	Wangaratta	188
NE036	Reedy Creek	Rail trail Londrigan Tarrawingee Rd	Londrigan	137
NE037	Reedy Creek	Carraragarmungee Estate Rd	Carraragarmunge e	120
NE038	Irishtowns Creek	Tungamah - Peechelba Rd	Peechelba	207
NE039	Reedy creek	O'Keefe Road	Boorhaman	52
NE040	Johnston Creek	Cemetery Rd	Talgarno	933
NE041	Salty Dam drainage	Railway Rd	Boralma	153
NE042	Diddah Diddah Crk	Taylors Bridge Rd	Norong Central	156
NE043	Black Dog Creek	Escort Bridge Rd	Norong Central	190
NE044	Murdering Hut Crk	Egglestones Rd	Prentice North	159
NE045	Forest Creek	Talgarno Rd	Talgarno	404
NE046	Black Dog Creek	Black Dog Creek Rd	Chiltern	426
NE047	Deep Creek	Martins Lane	Chiltern	229
NE048	Buy Creek	Martins Lane	Chiltern	212
NE049	Indigo	Mares Flat Rd	Barnawartha	274
NE050	Cookinburra	Oats Gap Road	Barnawartha	387
NE051	Pine Road Creek	Pine Rd	Chiltern	120
NE052	Middle Creek	Baranduda Boulevard	Baranduda	238
NE053	Baranduda Drainage	Baranduda Boulevard	Baranduda	228
NE054	Huon Creek	Yarralumla Drive	Wodonga	246
NE055	House Creek	Lawrence Street	Wodonga	287
NE056	Wises Creek	Wises Creek Rod	Talgarno	120
NE057	Benton's Hill Drainage	Old Hume Hwy	Springhurst	2759
NE058	Campbell's Drainage	Railway Rd	Bowser	58
NE059	N/A			
NE060	Kings Culvert	Sessions Rd	North Wangaratta	72

As previously mentioned Black Swamp is the most significant wetland within the region. It is listed on The Directory of Important Wetlands in Australia, and is located on the flood plain between the Murray and Ovens River (Environment Australia 2001). Wetlands within the catchment can be impacted by saline surface water as well as saline groundwater. Currently 356ha of wetlands within the region occur where the watertable is less than 3m (Table 28). The wetlands listed within table 25 do not include wetlands outside salinity priority areas particularly on the Riverine Plains such as the Black Swamp.

Table 28- Summary of Depth to watertable affecting mapped wetlands in each salinity priority area.

		TWT					
Priority Zone	Туре	<1m	<2m	<3m	<4m	<5m	<10m
CARBOOR BOBINAWARRAH	Open water					4	5
						4	_
CHILTERN	Deep marsh			9	17	17	17
	Meadow			0	12		20
	Open water			9	25		
	Sewerage pond			3	6		_
EVERTON TARRAWINGEE	Meadow			21	3		69 14
	Open water				8	8	9
					12	22	23
GRETA	Meadow				2	48	
	Open water			2	7	16	
	Shallow marsh			0	13		13
				2	23		108
INDIGO VALLEY	Open water			_		3	8
						3	8
MURMUNGEE	Meadow			6	8	8	8
	Shallow marsh				1	1	1
				6		9	
RIVERINE PLAIN	Deep marsh		10	92	221	462	753
	Meadow		18	53	148	222	479
	Open water		3	104	115	275	453
	Sewerage pond			2	2	7	67
	Shallow marsh			6	30	78	225
			31	257	516	1045	1978
RUTHERGLEN	Meadow			3	4	7	79
	Open water			0	0	0	12
				3	4	7	91
SPRINGHURST	Open water		0	0	3	14	14
			0	0	3	14	14
TALGARNO-WISES CREEK	Open water			61	117		127
				61	117	122	127
WHOROULY	Meadow			2	5		
	Open water			1	4	9	9

	Shallow marsh		3	5	18	18
			5	14	135	146
Grand Total		31	356	757	1498	2578

6.8.2 Overall Cost to this Asset

Costs of saline water on urban households annually is \$509,000, costs to commercial and industrial water users is \$704,000, with this predicted to rise in 2050 to \$1.7million and \$1million respectively (Wilson 2006). The economic evaluation in chapter 9 discusses this is in more detail.

6.9 Threats to People Assets

People have not been identified as an asset threatened by salinity in the RCS. This plan takes a different view. There is a significant potential impact to people including the reduction of land value, aesthetic values, stigma of salinity, and additional expenditure on salinity management. There are approximately 180 landholders that have at least 1 area of land mapped as saline. Research undertaken in the Ovens Valley in to the efficacy of Department maps found that the expert maps may have failed to identify 61% of the areas affected by salinity (Curtis et al 2002). This was assuming that landholder could correctly identify a saline area. This plan aims to highlight the impact of salinity on the people in the region.

6.10 Threats to the Climate and Atmosphere Assets

A major driver for salinity in the region is climate variability associated with climate change. This plan does not investigate this issue in any detail, but highlights the potential for the implementation of this plan to be affected by climate variability.

Salinity could be considered to have an influence on local climate and atmosphere due to vegetation decline associated with high groundwater tables. A study in to tree decline in the North East found that over a 29 year period a 47% decline in isolated paddock trees had occurred (DPI 2003).

6.11 Threats to Downstream Assets

As previously mentioned approximately 180,000 tonnes of salt is exported annually from the North East in the River system, which is predicted to increase to approximately 240,000 tonnes of salt a year (Table 23). This currently relates to an impact in salinity levels in the Murray River of 30EC (Table 23). There are insufficient resources to investigate threats to downstream assets apart from recognising those stated within the MDBC Basin Salinity Strategy 2001-2015.

6.12 Specific Assets Threatened by Rising Watertables and Salinity in Salinity Priority Areas

Originally salinity priority areas were identified within the catchment based on the occurrence of salinity, these priority areas can now directly be related to where assets are most threatened by salinity within the region (Table 29). In addition to the six assets identified in the RCS it is also possible to consider the downstream assets threatened by each priority area.

Table 29 - Specific assets threatened by salinity in each salinity priority area.

Priority Area CMU	Land	Inland Water	Biodiversity	People	٠	Built Infrastructure	Climate and Atmosphere	Down Stream Assets
Indigo Valley, and Wodonga - Baranduda Lower Kiewa, Mic Ovens	Dryland Pastures, high value horticulture crops and forestry (firewood plantations etc) • 88Ha of agricultural land with <2m depth to watertable • 137Ha of agricultural land with <3m depth to watertable • 3744Ha of agricultural land with <5m depth to watertable • 131Ha of land salinity mapped • Soil health/structure decline in saline discharge areas. Increased potential for soil erosion on bare ground associated with class 2 & 3 saline discharge areas • Lifestyle farming threatened in areas associated with high water tables and saline discharge.	 Water quality, water use and riparian health of Indigo Creek (middle reaches where the stream is not deeply incised), Middle Creek , Cookinburra Creek (lower reaches), Farm Dams receiving saline water from discharge sites. Groundwater bores and wells-accessing water in the area between middle Indigo to the Hume Freeway Spring feed dams in the middle Indigo area at the break of slope 	Threatened/Endange red EVCs Threatened species Wetlands on private land Scattered and individual trees.	While there are no direct impacts on people recognised there are a number of social and economic implications such as: Economic stress on families (loss of production). Reduced land values Stigma of salinity Aesthetic /Landscape Additional expenditure on salinity management. Time - to control manage salinity Additional issue for community (eg Landcare Groups) in planning. Need for technology/infor mation.		Urban development of agricultural land surrounding Wodonga in low areas of the landscape with high watertables. Roads, especially the Hume Freeway and Murray Valley Hwy - 129km road with DTWT<4m, Utilities infrastructure especially underground services where high watertables exist eg. Telstra Existing buildings in areas of high watertables Hot water services (where saline groundwater resources used exceeds 1600EC) Melbourne-Sydney Rail 8.1km railway line DTWT <4m Potential deterioration to the 50 monitoring bores when watertables	Death of trees as a result of salinity or high watertables can potentially reduces carbon sink.	Salt load contribution impacts on water use and assets down stream in the Murray & Kiewa Rivers. Potential saline groundwater affecting use of water resources. House Creek, Huon Creek, Felltimber Creek water quality.

						 become artesian. Potential Increased cost in construction in areas of high saline water tables Gardens and amenities where saline water is used. 		
Talgarno	Lower Mitta Mitta	Dryland Pastures particularly in lower parts of the landscape. • 5Ha of agricultural land with <2m depth to watertable • 634Ha of agricultural land with <3m depth to watertable • 1759Ha of agricultural land with <5m depth to watertable • 7Ha of land salinity mapped • Soil health/structure decline in saline discharge areas. Increased potential for soil erosion on bare ground associated with class 2 & 3 saline discharge areas • Lifestyle farming threatened in areas associated with high water tables and saline discharge.	Water quality, water use and riparian health of Johnston Creek and Forest Creek (lower reaches) Direct flow of saline water from discharge sites and groundwater in to Hume Weir especially from areas between Bellbridge and Talgarno. Along with saline inflows from waterways. Farm Dams receiving saline water from discharge sites. Groundwater bores and wells—accessing water in along the Talgarno	Threatened/endang ered EVCs Threatened species Wetlands on private land Scattered and individual trees	While there are no direct impacts on people recognised there are a number of social and economic implications such as: Economic stress on families (loss of production). Reduced land values Stigma of salinity Aesthetic /landscape Additional expenditure on salinity management. Time - to control manage salinity Additional issue for community (eg Landcare Groups) in planning. Need for technology/infor mation.	 Hot water services (where saline groundwater resources used exceeds 1600EC) Utilities infrastructure especially underground services where high watertables exist eg. Telstra Potential damage to 7 DPI monitoring bores. Gardens and amenities where saline water is used. Roads sealed and unsealed - 29km road DTWT <4m. 	Death of trees as a result of salinity potentially reduces carbon sink.	Salt load contribution into Hume Weir and down stream Murray River.

Everton- Low	wer Dryland pastures,	peninsula	Threatened/endang	While there are no	•	Utilities	Death of trees	•	Salt load
Tarrawingee Ove	value horticulture viticulture, and for (firewood plantation etc). • 723Ha of agricultural lawith <2m dep watertable • 585Ha of agricultural lawith <3m dep watertable • 388Ha of agricultural lawith <5m dep watertable • 67Ha of land salinity mapp • Soil health/structidecline in salidischarge are Increased pot for soil erosic bare ground associated winclass 2 & 3 sadischarge are Lifestyle farm threatened in associated wingh water ta and saline discharge.	water use and riparian health of Hodgsons Creek and Horseshoe Creek (lower reaches). Ovens River – inflows of saline water and discharge along riparian zone., Saline groundwater supplies especially for Everton township. Farm Dams receiving saline water from discharge sites. ential non discharge sites. Groundwater supplies especially for Everton township. Farm Dams receiving saline water from discharge sites. Groundwater bores and wells–accessing water in the Everton Upper/Everto n/Tarrawinge e areas.	ered EVCs Threatened species Wetlands on private land Scattered and individual tree	direct impacts on people recognised there are a number of social and economic implications such as: Economic stress on families (loss of production). Reduced land values Stigma of salinity Aesthetic /landscape Additional expenditure on salinity management. Time - to control manage salinity Additional issue for community (eg Landcare Groups) in planning. Need for technology/infor mation.	•	infrastructure especially underground services where high watertables exist eg. Telstra Hot water services (where saline groundwater resources used exceeds 1600EC) Beechworth- Wangaratta Road and other roads sealed and unsealed - 36km road DTWT <4m Potential deterioration to the 31 monitoring bores when watertables become artesian. 6.8km rail trail <4m especially Everton Upper.	as a result of salinity potentially reduces carbon sink.	•	contribution impacts on water use and water users assets down stream Ovens (Heritage River) & Murray Rivers. Wangaratta water supply (Potential as increasing salinity levels in times of low flows. Saline groundwater affecting use of shallow water resources in the Ovens Basin.

Priority Area	CMU	Land	Inland Water	Biodiversity	People	•	Built Infrastructure	Climate and Atmosphere	Down Stream Assets
Greta	Mid King	Grazing, Cropping, Viticulture, Horticulture, Farm forestry • 96Ha of agricultural land with <2m depth to watertable • 3992Ha of agricultural land with <3m depth to watertable • 4179Ha of agricultural land with <5m depth to watertable • 77Ha of land salinity mapped • Soil health/structure decline in saline discharge areas. Increased potential for soil erosion on bare ground associated with class 2 & 3 saline discharge areas • Lifestyle farming threatened in areas associated with high water tables and saline discharge.	Water quality, water use and riparian health of Fifteen Mile Creek (lower reaches) and Factory Creek, Farm Dams receiving saline water from discharge sites. Groundwater bores and wells (accessing water in the Greta South and Hansonville). Spring feed dams in the area at the break of slope	Threatened /endangered EVCs Threatened species Wetlands on private land Scattered and Individual trees.	While there are no direct impacts on people recognised there are a number of social and economic implications such as: • Economic stress on families (loss of production). • Reduced land values • Stigma of salinity • Aesthetic /landscape • Additional expenditure on salinity management. • Time - to control manage salinity • Additional issue for community (eg Landcare Groups) in planning. • Need for technology/infor mation	•	Utilities infrastructure especially underground services where high watertables exist eg. Telstra Hot water services (where saline groundwater resources used exceeds 1600EC) Roads in areas of high watertables eg 15 Mile Creek Road Potential deterioration to the 28 monitoring bores when watertables become artesian. Roads sealed and unsealed – 142km road DTWT <4m.	Death of trees as a result of salinity potentially reduces carbon sink.	Salt load contribution impacts on water use and assets down stream in the King & Ovens (Heritage River) Rivers and 15-Mile Creek. Potential saline groundwater affecting use of water resources.
Carboor- Bobinawarrah	Mid King	Grazing, Cropping, Viticulture, Horticulture, farm forestry, Forestry • 166Ha of agricultural land with <2m depth to watertable • 838Ha of agricultural land with <3m depth to watertable	Water quality, water use and riparian health of Hurdle Creek and Meadow Creeks (especially lower reaches). • Farm Dams receiving saline water from	Threatened/endang ered EVCs Threatened species Wetlands on private land Scattered and Individual trees	While there are no direct impacts on people recognised there are a number of social and economic implications such as: Economic stress on families (loss of production). Reduced land values	•	Hot water services (where saline groundwater resources used exceeds 1600EC) Utilities infrastructure especially underground services where high watertables exist	Death of trees as a result of salinity potentially reduces carbon sink.	Salt load contribution impacts on water use and assets down stream in the Ovens (Heritage River) & King Rivers. Potential saline groundwater affecting use of

		 4257Ha of agricultural land with <5m depth to watertable 78Ha of land salinity mapped Soil health/structure decline in saline discharge areas. Increased potential for soil erosion on bare ground associated with class 2 & 3 saline discharge areas Lifestyle farming threatened in areas associated with high water tables and saline discharge. Lifestyle farming threatened in threatened in threatened in threatened in threatened 	discharge sites. Groundwater bores and wells (accessing water in the Bobinawarrah East area). Spring feed dams in the area at the break of slope		Stigma of salinity Aesthetic /landscape Additional expenditure on salinity management. Time - to control manage salinity Additional issue for community (eg Landcare Groups) in planning. Need for technology/infor mation	eg. Telstra Carboor-Everton Road and Kneebones Gap Rd and other Roads sealed and unsealed - 50km road DTWT <4m. Potential deterioration to the 24 monitoring bores when watertables become artesian.		water resources.
Chiltern	Mid King, Mid Ovens	While there is no mapped saline discharge areas in this priority area the threat to Grazing, Viticulture, Horticulture, farm forestry, Forestry in the low parts of the landscape remains:	Limited potential loss of water quality, water use and riparian zone. Some information exists on groundwater supplies, springs, wells, farm dams and Whorouly Creek but the threat is unknown.	Threatened/endang ered EVCs Threatened species Wetlands on private land Scattered and Individual trees	While there are no direct impacts on people recognised there are a number of social and economic implications. These are unknown for this priority area.	Hot water services (where saline groundwater resources used exceeds 1600EC) Potential damage to 5 Monitoring Bores/5 State Monitoring bores Roads sealed and unsealed - 31km road DTWT <4m. Hot water services	Death of trees as a result of salinity potentially reduces carbon sink.	Little information is known for this area. Potential salt load contribution impacts on water use and assets down stream in the Ovens River (Heritage River) and Whorouly. Potential saline groundwater affecting use of water resources.

Ovens, Lower Kiewa, Mid Kiewa	acre cropping, Grazing, Viticulture, Horticulture. 3719Ha of agricultural land with <3m depth to watertable 3381Ha of agricultural land with <5m depth to watertable 2.7Ha of land salinity mapped Soil health/structure decline in saline discharge areas. Increased potential for soil erosion on bare ground associated with class 2 & 3 saline discharge areas Lifestyle farming threatened in areas associated with high water tables and saline discharge. Soil health/structure Chiltern National Park	water use and riparian health of Black Dog, Bye & Deep Creeks, Farm Dams receiving saline water from discharge sites. Groundwater bores and wells (accessing water in the low parts of the landscape, up stream of the Hume Freeway). Spring feed dams in the area at the break of slope	ered EVCs Threatened species Wetlands on private land Scattered and Individual trees	direct impacts on people recognised there are a number of social and economic implications such as: Economic stress on families i.e., loss of production. Reduced land values Stigma of salinity Aesthetic /landscape Additional expenditure on salinity management. Time - to control manage salinity Additional issue for community (eg Landcare Groups) in planning. Need for technology/infor mation	(where saline groundwater resources used exceeds 1600EC) Utilities infrastructure especially underground services where high watertables exist eg. Telstra Potential deterioration to the 14 DPI monitoring bores when watertables become artesian. Also state bores. Roads sealed and unsealed -185km road DTWT <4m. Melbourne-Sydney Rail - 19.4km railway line DTWT <4m.	as a result of salinity potentially reduces carbon sink.	contribution impacts on water use and assets down stream in the Murray River & Black Dog Creek. Potential saline groundwater affecting use of water resources
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Priority Area	CMU	Land	Inland Water	Biodiversity	People	•	Built Infrastructure	Climate and Atmosphere	Down Stream Assets
Rutherglen	Lower Kiewa, Lower Ovens	Agricultural Land - Grazing, Broad acre & Viticulture • 18Ha of agricultural land with <2m depth to watertable • 2046 of agricultural land with <3m depth to watertable • 1319Ha of agricultural land with <5m depth to watertable • 17.7Ha of land salinity mapped with very high groundwater salinity (18000EC). • Soil health/structure decline in saline discharge areas. Increased potential for soil erosion on bare ground associated with class 2 & 3 saline discharge areas • Lifestyle farming threatened in areas associated with high water tables and saline discharge.	Water quality, water use and riparian health of Murdering Hut Creek and other minor streams. Farm Dams receiving saline water from discharge sites. Groundwater bores and wells (accessing water in the undulating hill country and the plains). Groundwater salinity is often very high eg 18000EC. Spring feed dams in the area at the break of slope	Threatened/endang ered EVCs Threatened species Wetlands on private land Scattered and Individual trees	While there are no direct impacts on people recognised there are a number of social and economic implications such as: • Economic stress on families i.e., loss of production. • Reduced land values • Stigma of salinity • Aesthetic /landscape • Additional expenditure on salinity management. • Time - to control manage salinity • Additional issue for community (eg Landcare Groups) in planning. • Need for technology/infor mation		Hot water services (where saline groundwater resources used exceeds 1600EC) Utilities infrastructure especially underground services where high watertables exist eg. Telstra Carlyle Road, Murray Valley Hwy and other Roads sealed and unsealed – 101km road DTWT <4m. Potential deterioration to the 14 DPI monitoring bores when watertables become artesian. (25 state bores) 0.4km railway line DTWT <4m.	Death of trees as a result of salinity potentially reduces carbon sink.	Salt load contribution impacts on water use and assets down stream in the Murray River. Potential saline groundwater affecting use of water resources.
Springhurst	Lower Ovens	Broad acre Cropping, Grazing, (limited Dairying), 1003 of agricultural land with <3m depth to watertable 3913Ha of agricultural land with <5m depth to watertable 53Ha of land salinity mapped	Water quality, water use and riparian health of Diddah, Daddah Creeks, Clear Creek, Reedy Creek, Sleeping Dog Creek and some unnamed streams and drains.	Threatened/endang ered EVCs Threatened species Wetlands on private land 47% loss in scattered and individual trees over 29 years.	While there are no direct impacts on people recognised there are a number of social and economic implications such as: Economic stress on families (loss of production). Reduced land values Stigma of salinity Aesthetic	•	Hot water services (where saline groundwater resources used exceeds 1600EC) Utilities infrastructure especially underground services where high watertables exist eg. Telstra Hume Freeway, and	Death of trees as a result of salinity potentially reduces carbon sink.	Salt load contribution impacts on water use and assets down stream in the Diddah Diddah, Daddah Daddah, Reedy, Whim and Black Dog Creeks and Black Swamp (wetland of National

		health/structure decline in saline discharge areas. Increased potential for soil erosion on bare ground associated with class 2 & 3 saline discharge areas Lifestyle farming threatened in areas associated with high water tables and saline discharge.	receiving saline water from discharge sites. Groundwater bores and wells (accessing water in the break of slope). Spring feed dams in the area.		/landscape • Additional expenditure on salinity management. • Time - to control manage salinity • Additional issue for community (eg Landcare Groups). • Need for technology/infor mation		other Roads sealed and unsealed – 64.8km road DTWT < 4m Potential deterioration to the 64 DPI monitoring bores when watertables become artesian. (50 state bores) Melbourne-Sydney Rail – 5.3km railway line DTWT < 4m.		Significance) Potential saline groundwater affecting use of water resources.
Murmungee continued	Mid Ovens	Dryland Pastures & Broad acre cropping	Water quality, water use and riparian health of Burgoigee Creek. Farm Dams receiving saline water from discharge sites. Groundwater bores and wells (accessing water in the break of slope) Spring feed dams in the area.	Threatened/endang ered EVCs Threatened species Wetlands on private land Riparian zones Scattered and isolated trees	While there are no direct impacts on people recognised there are a number of social and economic implications such as: Economic stress on families i.e., loss of production. Reduced land values Stigma of salinity Aesthetic /landscape Additional expenditure on salinity management. Time - to control manage salinity Additional issue for community (eg Landcare Groups) in planning. Need for technology/infor mation		Hot water services (where saline groundwater resources used exceeds 1600EC)) Utilities infrastructure especially underground services where high watertables exist eg. Telstra Potential deterioration to the 30 DPI monitoring bores when watertables become artesian Ovens Hwy and roads sealed and unsealed – 38.8km roads DTWT <4m. 6.1km railtrail DTWT <4m.	Death of trees as a result of salinity potentially reduces carbon sink.	Salt load contribution impacts on water use and assets down stream in the Ovens River (heritage). Potential saline groundwater affecting use of water resources.
Riverine Plain	Lower Kiewa, Lower Ovens, Mid	Dryland Pastures & Irrigated pastures, broad acre cereal crops, Viticulture, Horticulture.	Water quality decline and limiting use of water and riparian	Threatened EVCs Threatened species Wetlands on private land & public	While there are no direct impacts on people recognised there are a number of	•	Hot water services (where saline groundwater resources used	Death of trees as a result of salinity potentially	Potential saline groundwater affecting use of water resources