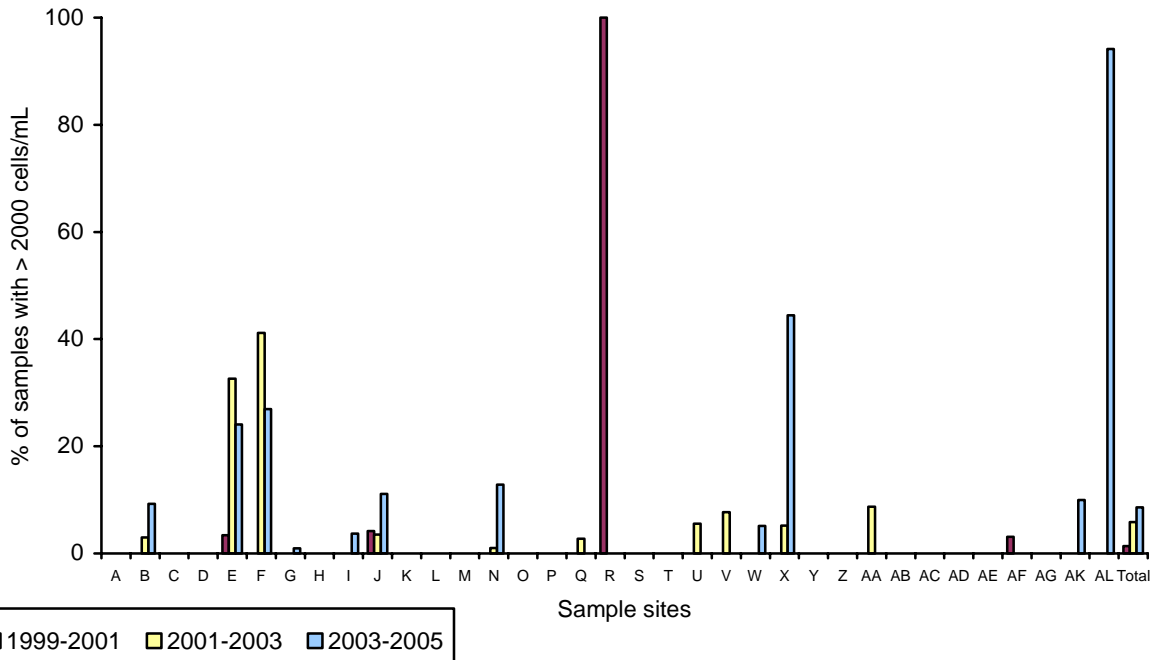


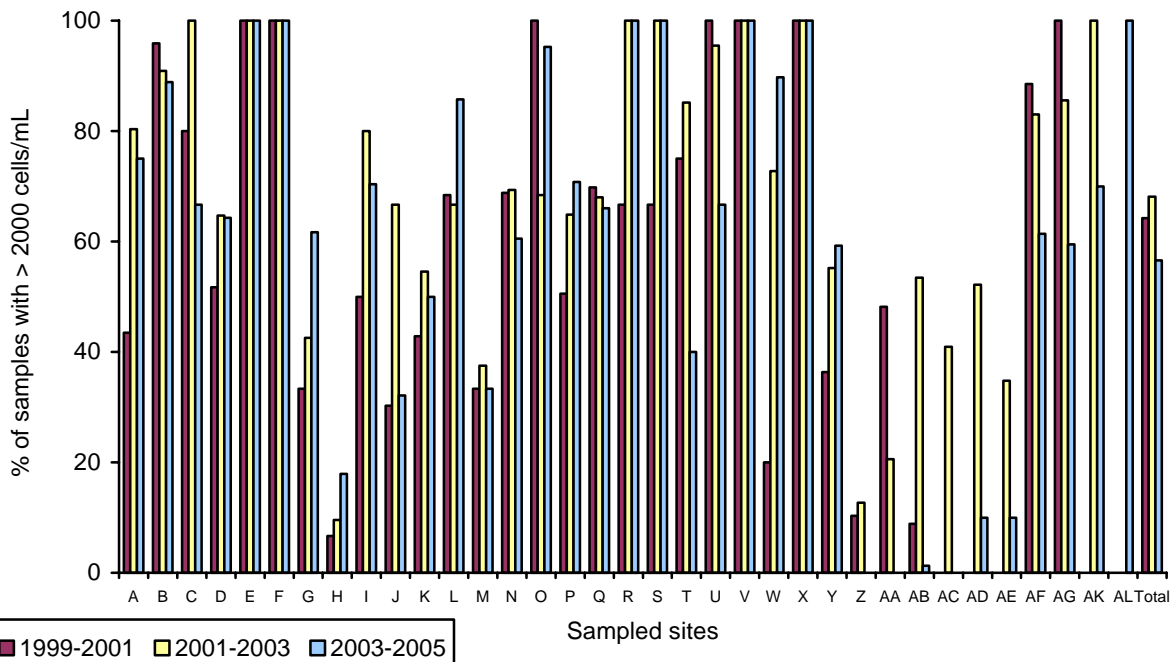
Appendix E

Figure 1 – The percentage of samples with > 2000 cells/mL of toxic cyanobacteria for the 2001, 2003 and 2005 Audit periods



Source: SCA 2005

Figure 2 – The percentage of samples with > 2000 cells/mL of total cyanobacteria for the 2001, 2003 and 2005 Audit periods



Source: SCA 2005

Table 1 – Volume (ML) of water licensed to be extracted for each sub-catchment in the Sydney Drinking Water Catchment and the use of the water extracted

	Back and Round Mountain Creek	Braidwood Creek	Bungonia Creek	Endrick River	Jerrabattgula Creek	Kangaroo River	Kowmung Creek	Lake Burratorang	Little River	Lower Coxs River	Mid Coxs River	Mid Shoalhaven River	Mongarlowe River	Mulwaree River	Nattai River	Nerrimunga Creek	O'Hares Creek	Reedy Creek	Upper Coxs River	Upper Nepean River	Upper Shoalhaven River	Upper Wollondilly	Werriberri Creek	Wingecarribee River	Wollondilly River	Woronora River	Total
Domestic	0	1	10	0	2	8	0	2	1	0	5	0	3	3	3	2	0	0	1	3	0	9	6	11	12	0	82
Experimental research	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Farming	0	0	0	0	0	7	0	5	0	0	0	0	0	0	0	0	0	5	0	15	0	0	5	0	5	0	47
Industrial	0	0	2	0	0	11	0	0	0	0	78	0	46	5	76	0	0	1	114	7	0	7	84	177	89	0	697
Industrial – Sand and gravel	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84	0	89
Irrigation	1330	124	936	15	374	1089	151	265	0	107	881	61	295	1260	36	277	267	268	119	919	140	1356	1891	1703	3926	52	17842
Mining	0	0	86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	0	0	0	0	0	0	0	159
Pisciculture	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	2	0	0	0	0	18	0	0	29
Recreation – High security	0	8	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	59
Recreation – Low security	0	9	0	0	0	8	0	0	0	0	0	0	0	83	0	0	0	0	0	2	0	3	0	0	2	0	107
Stock	0	1	44	0	5	36	0	8	6	0	7	5	5	10	15	4	6	5	6	25	0	65	54	64	65	0	436
Town water supply	0	360	0	0	0	3650	0	0	0	0	70	0	0	0	0	0	0	0	0	250	0	10200	0	2920	269	0	17719
Total	1330	503	1083	15	381	4809	151	280	7	157	1041	66	358	1361	130	283	273	279	315	1221	140	11640	2040	4894	4455	52	37269

Source: DIPNR 2005

Table 2 – Percentage of samples collected in exceedance at lake and reservoir locations for the 2005 Audit period

Code	SCA Code	Station Name	Turbidity (<10NTU)	Conductivity (<30 µS/cm)	pH (6.5–8.5)	Total Al (<0.055 mg/L)	Total Fe (<0.3 mg/L)	Total P (<10 µg/L)	Filtered P (<5 µg/L)	Total N (<350 µg/L)	Oxidised N (<10 µg/L)	Ammonia (<10 µg/L)	Dissolved Oxygen (85–110%)	Chlorophyll-a (<5 µg/L)
A	DAV7	Lake Avon at the Upper Avon Valve	3.0	99.5	7.1	24.1	13.2	12.5	6.9	13.1	87.1	45.7	56.4	13.7
C	DCA1	Lake Cataract at Dam Wall	3.1	99.5	7.2	24.5	13.2	12.8	7.1	13.5	87.5	45.4	57.2	12.8
D	DCO1	Lake Cordeaux at Dam Wall	3.1	99.5	4.7	23.8	12.5	13.1	7.3	12.9	87.9	43.2	57.7	12.9
F	DFF6	Lake Fitzroy Falls at Midlake	3.2	99.5	3.9	23.9	11.7	13.5	7.5	11.1	87.9	40.6	57.1	12.0
G	DGC1	Lake Greaves at Dam Wall	3.1	99.4	4.0	22.4	10.2	11.9	6.0	9.4	88.1	39.3	57.5	10.9
H	DLC1	Lake Lower Cascade at 50m upstream	3.2	100.0	3.7	20.9	8.9	12.0	6.1	9.5	88.8	38.3	58.0	10.1
I	DNE2	Lake Nepean at 300m upstream of Dam Wall	3.2	100.0	3.8	21.2	9.1	12.3	6.3	9.7	88.8	37.9	58.4	10.2
K	DTA1	Lake Yarrunga at 100m from Dam Wall	3.4	100.0	3.8	21.7	9.5	12.6	6.5	9.0	88.2	38.2	59.3	10.2
L	DTA3	Lake Yarrunga at Kangaroo River and Yarrunga Junction	17.8	100.0	2.8	66.7	90.9	77.3	56.1	81.8	87.9	78.7	82.0	31.8
M	DTA5	Lake Yarrunga at Shoalhaven River	3.0	100.0	3.9	19.0	6.1	10.5	4.7	6.6	88.1	35.3	58.7	9.0
N	DTA8	Lake Yarrunga at Kangaroo River, Bendeela PS	2.6	100.0	4.0	18.2	5.3	9.8	4.2	5.9	88.3	34.2	58.6	9.0
O	DTA10	Lake Yarrunga at Kangaroo arm, Reed Island	3.2	100.0	3.8	19.9	7.2	11.5	5.7	7.3	88.2	36.6	58.9	10.2
P	DTC1	Lake Top Cascade at 100m upstream of Dam Wall	2.5	100.0	4.0	17.3	4.1	8.7	3.1	5.8	88.2	33.5	58.8	7.8
Q	DWA2	Lake Burragorang at 500m upstream of Dam Wall	1.9	100.0	4.7	16.5	3.5	9.1	3.3	5.7	88.1	32.3	59.7	7.8
R	DWA9	Lake Burragorang at 14km upstream of Dam Wall	0.9	100.0	9.9	21.4	5.3	11.8	5.8	11.8	85.4	40.6	48.0	10.8
S	DWA12	Lake Burragorang at 9km upstream of Coxs River	2.5	100.0	4.1	17.7	3.6	8.8	3.1	5.1	88.9	31.1	59.4	7.5
T	DWA19	Lake Burragorang at Kedumba River arm	1.9	100.0	4.7	16.9	4.1	9.7	3.8	5.8	88.3	33.5	59.6	8.4
U	DWA21	Lake Burragorang at Coxs Arm 37km upstream of Dam Wall	2.4	100.0	7.0	22.5	5.3	13.3	4.8	8.3	85.3	37.8	50.6	10.8
V	DWA27	Lake Burragorang at Wollondilly Arm 23 km upstream of Dam Wall	2.4	100.0	7.1	22.0	4.3	12.1	3.8	8.2	86.1	36.1	50.7	10.0
W	DWA39	Lake Burragorang at Wollondilly Arm 40 km from Dam Wall	2.0	100.0	9.7	27.0	6.2	18.1	5.9	12.2	86.3	38.8	46.8	15.2
X	DW11	Wingecarribee Lake at outlet	1.8	100.0	22.5	39.8	13.2	28.8	14.9	28.8	84.8	63.1	22.7	33.3
Y	DWO1	Lake Woronora at Dam Wall	0.2	100.0	25.5	23.4	2.0	0.5	0.0	1.5	86.7	52.7	22.3	3.9
AF	RPR1	Lake Prospect at Midlake	0.0	100.0	0.0	3.7	3.6	0.9	0.0	2.7	7.1	20.4	23.3	6.0
AG	RPR3	Lake Prospect near RWPS	0.0	100.0	0.0	14.3	0.0	3.6	0.0	0.0	0.0	20.0	9.3	8.0

Source: SCA 2005

Notes: pH and dissolved oxygen percentage indicates outside guideline range.
 ANZECC and ARMCANZ 2000 guideline values in parentheses.
 Red cells indicate 75–100%, orange 50–75% and yellow 25–50% exceedance of guidelines.

Table 3 – Percentage of samples collected in exceedence at catchment locations for the 2005 Audit period

Code	SCA Code	Station Name	Turbidity (<15NTU)	Conductivity (<350 µS/cm)	pH (6.5-8.5)	Total Al (<0.055 mg/L)	Total Fe (<0.3 mg/L)	Total P (<20 µg/L)	Filtered P (<15 µg/L)	Total N (<250 µg/L)	Oxidised N (<15 µg/L)	Ammonia (<13 µg/L)	Dissolved Oxygen (85-110%)	Chlorophyll-a (<5 µg/L)
CA	E083	Coxs River at Kelpie Point	9.9	0.0	3.8	42.9	11.1	23.1	3.0	30.8	20.7	18.2	7.7	0.0
CB	E130	Kowmung River at Cedar Ford	2.9	0.0	0.0	24.1	5.1	16.7	2.7	35.7	37.5	18.4	7.7	8.1
CC	E157	Kedumba River at Maxwells Crossing	38.7	0.0	0.0	31.6	13.2	23.3	0.0	79.1	97.1	31.4	19.2	2.9
CD	E203	Gibbergunyah Creek at Mittagong STP	15.4	69.2	0.0	95.8	8.3	100.0	95.8	100.0	100.0	100.0	84.0	18.2
CE	E206	Nattai River at The Crags	44.3	55.0	3.7	34.2	7.9	94.7	94.4	100.0	100.0	56.8	14.8	8.8
CF	E210	Nattai River at Smallwoods Crossing	22.2	22.2	0.0	84.2	0.0	36.8	0.0	94.7	68.4	78.9	47.1	42.1
CG	E243	Little River at Fireroad	0.0	0.0	11.5	46.2	0.0	0.0	0.0	19.2	92.0	80.8	23.1	7.7
CH	E332	Wingecarribee River at Berrima	33.3	0.0	6.4	93.9	51.0	100.0	14.3	100.0	100.0	93.9	22.9	100.0
CI	E409	Wollondilly River at Murrays Flat	23.5	90.9	25.9	16.0	13.8	100.0	100.0	100.0	73.9	93.9	70.4	70.0
CJ	E450	Wollondilly River at Golden Valley	13.2	100.0	14.3	28.0	39.3	60.7	15.4	100.0	54.5	32.0	23.8	56.0
CK	E457	Mulwarree River at Towers Weir	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CL	E488	Wollondilly River at Jooriland (Fowlers Flat)	10.4	6.0	0.0	94.7	15.8	40.4	3.6	93.0	82.1	35.7	13.7	53.6
CM	E531	Werriberri Creek at Werombi	2.0	58.4	10.7	43.8	51.6	2.9	0.0	34.3	51.7	62.1	64.0	3.4
CN	E601	Nepean River at Inflow to Lake Nepean	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CO	E602	Burke River at inflow to Lake Nepean	1.4	0.0	22.2	55.0	100.0	5.0	0.0	15.4	15.4	13.5	14.8	0.0
CW	E697	Nepean River	0.0	0.0	0.0	61.8	38.2	29.4	0.0	82.4	100.0	61.8	21.9	52.9
CP	E706	Kangaroo River at Hampden Bridge	22.6	0.0	3.7	45.7	43.5	32.6	11.1	43.5	60.0	40.9	11.1	20.5
CQ	E822	Mongarlowe River at Mongarlowe	14.3	0.0	11.1	66.7	42.4	12.1	9.1	18.2	37.5	30.3	30.8	3.0
CR	E847	Shoalhaven River at Fossickers Flat	55.7	0.0	0.0	100.0	66.7	53.3	11.1	73.3	42.9	11.1	0.0	11.1
CS	E851	Shoalhaven River at downstream Tallowa Dam	0.0	0.0	7.4	89.7	20.7	3.4	0.0	100.0	93.1	79.3	3.7	10.3
CT	E860	Shoalhaven River at Mount View	17.9	0.0	0.0	35.0	35.0	19.5	17.5	31.7	0.0	30.0	3.8	7.5
CU	E861	Shoalhaven River at Hillview	27.3	0.0	19.2	57.5	27.5	20.0	0.0	42.5	25.0	34.2	12.0	21.1
CV	E891	Gillamatong Creek at Braidwood	14.3	100.0	3.8	81.8	44.4	58.3	7.4	100.0	87.5	22.2	76.0	25.9
CY	GO515	Woronora River at the Neddles	3.8	0.0	0.0	34.5	0.0	3.4	0.0	10.3	33.3	20.7	7.7	0.0

Source: SCA 2005

Notes: pH and dissolved oxygen percentage indicates outside guideline range.
ANZECC and ARMCANZ 2000 guideline values in parenthesis
Red cells indicate 75–100%, orange 50–75% and yellow 25–50% exceedence of guidelines

Table 4 – Change from the 2003 Audit Report for water quality parameter groups

Code	SCA Code	Phy	Tox	Nut	Chlor & DO
CA	E083		-	-	
CB	E130				+
CC	E157	-			
CD	E203	+			
CE	E206	+	-		
CF	E210	-	-		
CG	E243		+	-	
CH	E332				
CI	E409				+
CJ	E450				-
CL	E488	+	-		-
CM	E531		+	+	+
CO	E602	-		-	
CP	E706		+	-	
CQ	E822				-
CR	E847	-	-	-	
CS	E851	+			
CT	E860		+		
CU	E861	-			
CV	E891		+	+	
A	DAV7	-		-	
C	DCA1	-	+		
D	DCO1	-	+		
F	DFF6	-	+		+
G	DGC1	-	+	-	-
H	DLC1	-			-
I	DNE2	-			
K	DTA1	-	+		
L	DTA3	-			
M	DTA5	-	+		
N	DTA8	-	+		
O	DTA10	-	+		
P	DTC1	-			-
Q	DWA2	-		-	
R	DWA9	-		-	+
S	DWA12	-		-	
T	DWA19	-	+	-	
U	DWA21	-	+	-	-
V	DWA27	-		-	
W	DWA39	-	+	-	-
X	DWI1	-	+		+
Y	DWO1	-	+		+
AF	RPR1	-			
AG	RPR3	-			
CY	GO515				
CW	E697				

Note: Red cells indicate 75–100%, orange 50–75% and yellow 25–50% exceedence of guidelines
 - = increased percentage exceedence from 2003 audit period, + = decreased percentage exceedence from 2003 Audit period and | = no change from 2003 Audit period

Table 5 – DEC Code (water quality and macroinvertebrate), SCA Code and site description

WQ Code	Macro Code	SCA Code	Site Description
A		DAV7	Lake Avon at the Upper Avon Valve
B		DBP1	Bendeela Pondage
C		DCA1	Lake Cataract at Dam Wall
D		DCO1	Lake Cordeaux at Dam Wall
E		DFF	Fitzroy Falls composite
F		DFF6	Lake Fitzroy Falls at Midlake
G		DGC1	Lake Greaves at Dam Wall
H		DLC1	Lake Lower Cascade at 50m upstream
I		DNE2	Lake Nepean at 300m upstream of Dam Wall
J		DPAE	Bendeela picnic area
K		DTA1	Lake Yarrunga at 100m from Dam Wall
L		DTA3	Lake Yarrunga at Kangaroo and Yarrunga Junction
M		DTA5	Lake Yarrunga at Shoalhaven River
N		DTA8	Lake Yarrunga at Kangaroo River, Bendeela PS
O		DTA10	Lake Yarrunga at Kangaroo arm, Reed Island
P		DTC1	Lake top Cascade at 100m upstream of Dam Wall
Q		DWA2	Lake Burragorang at 500m upstream of Dam Wall
R		DWA9	Lake Burragorang at 14km upstream of Dam Wall
S		DWA12	Lake Burragorang at 9km upstream of Coxs River
T		DWA19	Lake Burragorang at Kembula River arm
U		DWA21	Lake Burragorang at Coxs arm 37 km upstream of Dam Wall
V		DWA27	Lake Burragorang at Wollondilly arm 23 km upstream of Dam Wall
W		DWA39	Lake Burragorang at Wollondilly arm 40 km upstream of Dam Wall
X		DWI1	Wingecarribee Lake at outlet
Y		DWO1	Lake Woronora at Dam Wall
Z		HBP	HBP1 and HBP2 taps
AA		HFF4	NPWS picnic shelter tap at Fitzroy Falls
AB		HOP6	Oberon pipeline, Leura
AC		HPR1	Upper Canal at Prospect WFP
AD		HUC1	Upper Canal at Broughtons Pass
AE		HUC3	Upper Canal at Kenny Hill
AF		RPR1	Lake Prospect at Midlake
AG		RPR3	Lake Prospect near RWPS
AH		COMP1,COMP3	Prospect WFP
AI		COMP5	Illawarra System
AJ		COMP6	Blue Mountains System
AK		DNE7	Lake Nepean
AL		DWI3	Lake Wingecarribee at Midlake
AM		DWI	Lake Wingecarribee composite

Table 5 – DEC Code (water quality and macroinvertebrate), SCA Code and site description (Continued)

WQ Code	Macro Code	SCA Code	Site Description
	MA	A5	Mulwaree River at Lake Bathurst
	MB	A6	Tarlo River at Tarlo
	OT	A8	Bungonia Creek at Bungonia
	OV	A16	Coxs River at Lidsdale
CA		E083	Coxs River at Kelpie Point
	MC	E086	Coxs River at Kelpie Point
CB	MD	E130	Kowmung River at Cedar Ford
CC	ME	E157	Kedumba River at Kedumba crossing
CD		E203	Gibbergunyah Creek at Mittagong STP
CE	MF	E206	Nattai River at The Craggs
CF	MG	E210	Nattai River at Smallwoods Crossing
CG		E243	Little River at Fireroad
CH		E332	Wingecarribee River at Berrima
CI	MH	E409	Wollondilly River at Murrays Flat
CJ		E450	Wollondilly River at Golden Valley
CK	MI	E457	Mulwaree River at The Towers
CL	MJ	E488	Wollondilly River at Jooriland
CM		E531	Werriberri Creek at Werombi
CN		E601	Nepean River at Inflow to Lake Nepean
CO		E602	Burke River at inflow to Lake Nepean
	MK	E6133	Goondarin Creek at top of Cordeaux Dam
CW		E697	Nepean River
CP	ML	E706	Kangaroo River at Hampton Bridge
CQ	MM	E822	Mongarlow River at Mongarlowe
	MN	E8311	Corang River at Meangora
	MO	E8361	Nerrimunga Creek at Minshall Trig
CR	MP	E847	Shoalhaven River at Fossikers Flat
CS		E851	Shoalhaven River at downstream Tallowa Dam
CT	OQ	E860	Shoalhaven River at Mount View
CU	MQ	E861	Shoalhaven River at Hillview
	MR	E890	Boro Creek at Marlowe
CV	MS	E891	Gillamatong Creek at Braidwood
CY	MT	GO515	Woronora River at the Neddles
	OG	Mong1	Mongarlowe River at Charleyong
	OH	N935	Nepean River at Pheasants Nest
	OI	R13	Mongarlowe River at Monga
	OJ	R21	Waratah Rivulet at Flat Rock crossing
	OK	R7	Mulloon Creek at Tawarri
	OL	R8	Currembene Creek at Krawaree Rd crossing
	OM	Reed1	Reddy Creek at Mayfield Rd

Table 5 – DEC Code (water quality and macroinvertebrate), SCA Code and site description (Continued)

WQ Code	Macro Code	SCA Code	Site Description
	ON	U10	Wingecarribee River at Berrima
	OO	Uwol1	Wollondilly River at Baw Baw Bridge
	OP	Winge2	Wingecarribee River at Greenstead
		MMP01	Tonalli River up/st Yerrandrie
	MU	MMP02	Tonalli River upstream of Basin Creek
	MV	MMP03	Werriberri Creek at Serenity Park
	MW	MMP04	Blue Gum Creek along fire trail W41
	MX	MMP05	Little River at fire trail W41
	MY	MMP06	Shoalhaven River at Yarra Glen
	MZ	MMP07	Jinden Creek at Jinden Ridge Rd
	NA	MMP08	Boggy Creek upstream of Shoalhaven River
	NB	MMP09	Jerrabattgulla Creek at Warragandra
	NC	MMP10	Shoalhaven River at Berlang
	OU	MMP11	Titringo Creek at High Forest
	ND	MMP12	Endrick River at Nerriga
	NE	MMP14	Kowmung River at Kowmung fire trail
		MMP15	Tuglow River @ Tuglow Forest Rd
	NF	MMP16	Witts Creek at Krawaree Rd crossing
	NG	MMP17	Shoalhaven River at Farrington crossing
	NH	MMP18	Back Creek at Wallace Gap Rd
	NI	MMP19	Bombay Creek at Bombay fire trail
	NJ	MMP20	Nepean River at Maguires crossing
	NK	MMP27	Wollondilly River at Goonagulla
	NL	MMP30	Black Bobs Creek at Bunny Galore
	NM	MMP32	Durran Durra Creek at Euradox
	OS	MMP33	Kings Creek upstream Boro Creek
	NN	MMP34	Boro Creek at Lower Boro
	NO	MMP36	Cedar Creek at Hayes crossing
	NP	MMP37	Coxs River at McKanes Bridge
	NQ	MMP38	Farmers Creek at Great Western Highway
	NR	MMP39	Woodford Creek at Woodford Dam
	NS	MMP40	Yosemite Creek upstream of Minnihaha Falls
	NT	MMP41	Kedumba River at Scenic Railway
	NU	MMP42	Brogers Creek at Priddles Lane crossing
	NV	MMP43	Kangaroo River at Upper Kangaroo
	NW	MMP45	Werriberri Creek at top of Warragamba
	NX	MMP48	Jerrara Creek at Jerrara Rd
	NY	MMP50	Wollondilly River at Gundowringa
	NZ	MMP51	Jacqua Creek at Lumley Rd

Table 5 – DEC Code (water quality and macroinvertebrate), SCA Code and site description (Continued)

WQ Code	Macro Code	SCA Code	Site Description
	OA	MMP52	Nadgigomar Creek at Oallen Ford
	OB	MMP53	Woronora River at Eckersley Ford
	OC	MMP55	Little River at Six Foot Track
	OD	MMP56	Jenolan River at Camping Area
	OE	MMP57	Werriberri Creek at The Oaks
	OF	MMP58	Little River at Buxton
	OR	MMP76	Leura Falls Creek at FT W74
		A1	Witts Creek
		A10	Sooly Creek
		A11	Coxs R
		A12	Kings Ck
		A13	Brogers ck
		A14	Jerrabattagulla Ck
		A15	Nadgigomar Ck
	OV	A16	Coxs River at Lidsdale
		A2	Upper Shoalhaven R
		A3	Reedy Ck
		A4	Upper Mongarlowe R
	MA	A5	Mulwaree River at Lake Bathurst
	MB	A6	Upper Tarlo River at Tarlo
		A7	Woolshed Ck
	OT	A8	Bungonia Ck at Bungonia
		A9	Heffernans Ck
		R1	Nepean R
		R10	Heathcoate Ck
		R12	Nattai R
	OI	R13	Upper Mongarlowe R at Monga
		R16	Little R
		R17	Wollondilly R
		R18	Guineacor Ck
	OJ	R21	Waratah Rivulet at Flat Rock crossing
		R22	Kowmung R
		R4	Endrick R
		R6	Reedy Ck
	OK	R7	Mulloon Ck at Tawarri
	OL	R8	Currumbene Ck at Krawaree Rd crossing
		U10	Wingecarribee R
		U11	Wollondilly R
		U12	Mulwaree R
		U2	Mittagong Ck

Table 5 – DEC Code (water quality and macroinvertebrate), SCA Code and site description (Continued)

WQ Code	Macro Code	SCA Code	Site Description
		U3	Katoomba ck
		U4	Gibbergunyah Ck
		U5	Nattai R
		U6	Farmers Ck
		U7	Gillamatong Ck
		U8	Paddys R
		U9	Forbs Ck

Table 6 – Code, SCA Code and macroinvertebrate Ausrivas band for the 2003 and 2005 Audit periods

Code	SCA Code	Edge				Riffle				Combined			
		2001	2002	2003	2004	2001	2002	2003	2004	2001	2002	2003	2004
MA	A5	A	A	A	-	-	-	-	-	-	-	-	-
MB	MMP30	-	A	-	-	-	-	-	-	-	-	-	-
MC	E086	X	A	A	A	X	A	A	A	X	A	A	A
MD	E130	-	A	A	A	-	A	A	A	-	A	A	A
ME	E157	A	A	A	A	A	X	A	X	A	A	A	A
MF	E206	A	A	A	A	A	A	A	A	A	A	A	A
MG	E210	-	A	A	A	-	-	A	B	-	-	A	B
MH	E488	-	A	A	OEM	-	B	-	-	-	B	-	-
MI	E457	B	C	A	B	-	-	-	-	-	-	-	-
MJ	A6	A	B	B	C	-	-	-	-	-	-	-	-
MK	E6133	-	B	-	-	-	-	-	-	-	-	-	-
ML	E706	A	A	A	A	A	A	A	A	A	A	A	A
MM	E822	-	A	-	-	-	-	-	-	-	-	-	-
MN	E8311	OEM	A	X	A	B	-	-	-	NRA	-	-	-
MO	E8361	B	A	B	A	-	-	-	-	-	-	-	-
MP	E847	B	A	B	A	-	B	A	B	-	B	B	B
MQ	E861	A	A	A	B	A	A	B	A	A	A	B	B
MR	E890	A	B	A	B	-	-	-	-	-	-	-	-
MS	E891	B	B	B	B	-	-	-	-	-	-	-	-
MT	GO515	B	B	A	C	A	A	B	-	B	B	B	-
MU	MMP02	-	B	B	B	-	-	-	-	-	-	-	-
MV	MMP03	-	A	A	B	-	-	A	A	-	-	NRM	B
MW	MMP04	-	B	A	B	-	-	-	-	-	-	-	-
MX	MMP05	-	B	A	A	-	A	A	-	-	B	A	-
MY	MMP06	X	A	A	X	B	B	A	B	B	B	A	NRA
MZ	MMP07	-	-	-	-	-	-	-	-	-	B	-	-
NA	MMP08	-	A	OEM	A	-	-	-	-	-	-	-	-
NB	MMP09	A	A	B	X	-	-	-	-	-	-	-	-
NC	MMP10	-	-	-	-	-	-	-	-	-	A	-	-
ND	MMP12	OEM	A	A	A	A	-	B	A	NRA	-	B	A
NE	MMP14	A	A	B	X	X	A	A	B	A	A	B	NRA
NF	MMP16	B	A	A	B	A	A	B	B	B	A	B	B
NG	MMP17	A	A	A	A	A	A	A	B	A	A	A	B
NH	MMP18	-	A	-	-	-	-	-	-	-	-	-	-
NI	MMP19	-	A	-	-	-	-	-	-	-	-	-	-
NJ	MMP20	-	A	B	A	-	-	-	A	-	-	-	A
NK	MMP27	X	A	A	X	-	-	-	-	-	-	-	-
NL	E409	-	B	-	-	-	-	-	-	-	-	-	-
NM	MMP32	-	B	-	-	-	-	-	-	-	-	-	-
NN	MMP34	-	A	-	-	-	-	-	-	-	-	-	-
NO	MMP36	-	B	-	-	-	-	-	-	-	-	-	-
NP	MMP37	A	A	A	A	X	B	A	A	A	B	A	A
NQ	MMP38	-	-	-	-	-	-	-	-	-	C	-	-

Table 6 – Code, SCA Code and macroinvertebrate Ausrivas band for the 2003 and 2005 Audit periods (Continued)

Code	SCA Code	Edge				Riffle				Combined			
		2001	2002	2003	2004	2001	2002	2003	2004	2001	2002	2003	2004
NR	MMP39	A	B	A	A	-	-	-	-	-	-	-	-
NS	MMP40	A	C	B	A	A	-	-	-	A	-	-	-
NT	MMP41	C	C	-	-	-	-	-	-	-	-	-	-
NU	MMP42	-	-	-	-	-	-	-	-	-	B	-	-
NV	MMP43	B	A	B	A	A	A	A	A	B	A	B	A
NW	MMP45	-	B	-	-	-	-	-	-	-	-	-	-
NX	MMP48	-	A	-	-	-	-	-	-	-	-	-	-
NY	MMP50	-	A	-	-	-	-	-	-	-	-	-	-
NZ	MMP51	A	A	C	B	-	-	-	-	-	-	-	-
OA	MMP52	-	A	-	-	-	-	-	-	-	-	-	-
OC	MMP55	X	A	A	A	A	B	A	A	A	B	A	A
OD	MMP56	-	-	-	-	-	-	-	-	-	B	-	-
OE	MMP57	A	A	A	C	-	-	-	-	-	-	-	-
OF	MMP58	-	B	-	-	-	-	-	-	-	-	-	-
OG	Mong1	A	A	A	A	A	A	B	A	A	A	B	A
OH	N935	-	-	A	A	-	-	B	B	-	-	B	B
OI	R13	X	A	X	A	X	A	A	X	X	A	A	A
OJ	R21	A	A	B	B	C	-	-	-	C	-	-	-
OK	R7	A	A	B	B	-	-	C	-	-	-	C	-
OL	R8	B	A	A	A	A	A	B	-	B	A	B	-
OM	Reed1	A	A	A	A	-	-	A	B	-	-	A	B
ON	U10	C	B	B	B	B	-	C	B	C	-	C	B
OO	Uwol1	A	A	A	B	-	-	-	-	-	-	-	-
OP	Winge2	A	A	A	A	A	A	B	A	A	A	B	A
OQ	E860	OEM	X	A	A	B	A	B	A	NRA	A	B	A
OR	MMP76	-	-	A	B	-	-	-	A	-	-	-	B
OS	MMP33	A	-	A	A	-	-	-	-	-	-	-	-
OT	A8	B	-	B	B	-	-	-	-	-	-	-	-
OU	MMP11	A	OEM	A	A	-	-	-	-	-	-	-	-
OV	A16	A	X	A	A	A	B	A	A	A	B	A	A

Source: Ecowise 2005

Note: Lavender = Richer assemblage than AusRivAs reference condition; Green = Similar to AusRivAs reference location; Yellow = Significantly impaired; Red = Severely impaired.

OEM = outside experience of model, no assessment can be made of the site; NRA = No Reliable Assessment could be made of the site

Table 7 – Location description of sites used in the Delta Coks River Fish study

Site Code	Location Description
CR1	Coks River upstream of Lake Lyell
EFR2	Coks River downstream of Lake Lyell
EFR3	Coks River downstream of Lake Lyell at McKanes Bridge
EFR4	Coks River downstream of Lake Lyell at Glenroy Bridge
RR5	Coks River downstream of Lake Lyell at Lithgow Gauge

Source: Delta 2005