

**Appendix 1 - Fish species occurrence in NSW River Drainage Basins**

Table 1 Fish species recorded in the Richmond River drainage basin (DWR catchment code 203) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
NCRL46	Casino	Richmond River	Casino
NCRL50	Dunoon	Rocky Creek	Lismore
NCRL48	Tintenbar	Emigrant Creek	Tintenbar
NCUL60	Lismore	Leycester Creek	Lismore

  

Species	1996 Survey*	1983 Survey
<i>Acanthopagrus australis</i>	1	0
<i>Ambassis agassizii</i>	1	0
<i>Ambassis nigripinnis</i>	1	1
<i>Anguilla australis</i>	0	1
<i>Anguilla reinhardtii</i>	1	0
<i>Arius graeffei</i>	1	0
<i>Arrhamphus sclerolepis</i>	1	0
<i>Carcharhinus leucas</i>	1	0
<i>Gambusia holbrooki</i>	1	1
<i>Gnathanodon speciosus</i>	1	0
<i>Gobiomorphus australis</i>	1	1
<i>Gobiomorphus coxii</i>	0	1
<i>Herklotsichthys castelnaui</i>	1	0
<i>Hypseleotris compressa</i>	1	1
<i>Hypseleotris galii</i>	1	1
<i>Hypseleotris spp</i>	1	0
<i>Liza argentea</i>	1	0
<i>Macquaria colonorum</i>	1	0
<i>Macquaria novemaculeata</i>	1	0
<i>Melanotaenia duboulayi</i>	1	1
<i>Mugil cephalus</i>	1	1
<i>Myxus petardi</i>	1	1
<i>Notesthes robusta</i>	1	1
<i>Philypnodon grandiceps</i>	1	0
<i>Philypnodon sp1</i>	1	0
<i>Platycephalus fuscus</i>	1	0
<i>Potamalosa richmondia</i>	1	0
<i>Pseudomugil signifer</i>	1	1
<i>Retropinna semoni</i>	1	1
<i>Tandanus tandanus</i>	1	1
<b>Total</b>	<b>28</b>	<b>14</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 2 Fish species recorded in the Clarence River drainage basin (DWR catchment code 204) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
NCM41	Dundurrabin	Blicks River	Dundurrabin
NCM44	Rozelle	Sara River	Guyra
NCM42	Spring Ridge	Nowlands Backwaters	Guyra
NCS52	Timbarra	Clarence River	Tabulam
NCUL57	Coutts Crossing	Orara River	Coutts Crossing
NCUL59	Gordon Brook	Clarence River	Gordon Brook

  

Species	1996 Survey*	1983 Survey*
<i>Ambassis agassizii</i>	1	0
<i>Ambassis nigripinnis</i>	1	1
<i>Anguilla australis</i>	1	1
<i>Anguilla reinhardtii</i>	1	1
<i>Arius graeffei</i>	1	1
<i>Carassius auratus</i>	1	0
<i>Craterocephalus fluviatilis</i>	0	1
<i>Craterocephalus marjoriae</i>	1	1
<i>Galaxias maculatus</i>	0	1
<i>Galaxias olidus</i>	1	1
<i>Gambusia holbrooki</i>	1	1
<i>Gobiomorphus australis</i>	1	1
<i>Gobiomorphus coxii</i>	1	1
<i>Hypseleotris compressa</i>	1	1
<i>Hypseleotris galii</i>	1	1
<i>Leiopotherapon unicolor</i>	0	1
<i>Maccullochella ikei</i>	0	1
<i>Macquaria novemaculeata</i>	1	0
<i>Melanotaenia duboulayi</i>	1	1
<i>Mugil cephalus</i>	1	0
<i>Myxus petardi</i>	1	1
<i>Nannoperca oxleyana</i>	0	1
<i>Notesthes robusta</i>	1	1
<i>Philypnodon grandiceps</i>	1	1
<i>Philypnodon sp1</i>	1	1
<i>Potamalosa richmondia</i>	1	1
<i>Pseudomugil signifer</i>	1	1
<i>Retropinna semoni</i>	1	1
<i>Rhadinocentrus ornatus</i>	0	1
<i>Tandanus tandanus</i>	1	1
<b>Total</b>	<b>24</b>	<b>26</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 3 Fish species recorded in the Macleay River drainage basin (DWR catchment code 206) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
NCM45	Herbert Park	Gara River	Guyra
NCS53	Bellbrook	Macleay River	Bellbrook

  

Species	1996 Survey*	1983 Survey*
<i>Anguilla australis</i>	0	1
<i>Anguilla reinhardtii</i>	1	1
<i>Carassius auratus</i>	1	0
<i>Galaxias olidus</i>	1	0
<i>Gambusia holbrooki</i>	1	1
<i>Gnathanodon speciosus</i>	1	0
<i>Gobiomorphus australis</i>	1	1
<i>Gobiomorphus coxii</i>	1	1
<i>Hypseleotris compressa</i>	1	1
<i>Hypseleotris galii</i>	0	1
<i>Hypseleotris</i> spp	0	1
<i>Macquaria colonorum</i>	0	1
<i>Macquaria novemaculeata</i>	1	0
<i>Melanotaenia duboulayi</i>	1	1
<i>Mugil cephalus</i>	1	1
<i>Myxus petardi</i>	1	0
<i>Notesthes robusta</i>	1	0
<i>Philypnodon grandiceps</i>	1	0
<i>Potamalosa richmondia</i>	1	0
<i>Pseudomugil signifer</i>	1	1
<i>Retropinna semoni</i>	1	1
<i>Tandanus tandanus</i>	1	1
<b>Total</b>	<b>18</b>	<b>14</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 4 Fish species recorded in the Hastings River drainage basin (DWR catchment code 207) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
NCS51	Ellenborough	Ellenborough River	Ellenborough
NCUL56	Eugowra	Wilson's River	Port Macquarie

  

Species	1996 Survey*	1983 Survey*
<i>Anguilla reinhardtii</i>	1	1
<i>Arrhamphus sclerolepis</i>	1	0
<i>Gambusia holbrooki</i>	0	1
<i>Gobiomorphus australis</i>	1	1
<i>Gobiomorphus coxii</i>	1	1
<i>Herklotsichthys castelnaui</i>	1	0
<i>Hypseleotris compressa</i>	1	1
<i>Hypseleotris galii</i>	1	1
<i>Macquaria novemaculeata</i>	1	1
<i>Melanotaenia duboulayi</i>	1	1
<i>Mugil cephalus</i>	1	1
<i>Myxus petardi</i>	1	1
<i>Notesthes robusta</i>	1	1
<i>Philypnodon grandiceps</i>	1	0
<i>Philypnodon sp1</i>	1	1
<i>Potamalosa richmondia</i>	1	1
<i>Pseudomugil signifer</i>	1	1
<i>Retropinna semoni</i>	1	1
<i>Tandanus tandanus</i>	1	0
<b>Total</b>	<b>18</b>	<b>15</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 5 Fish species recorded in the Manning River drainage basin (DWR catchment code 208) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
NCM43	Linda Downs	Nowendoc River	Nowendoc
NCS55	Carinya	Gloucester River	Gloucester

  

Species	1996 Survey*	1983 Survey*
<i>Anguilla reinhardtii</i>	1	0
<i>Carassius auratus</i>	1	0
<i>Gambusia holbrooki</i>	1	1
<i>Gobiomorphus australis</i>	1	0
<i>Gobiomorphus coxii</i>	1	0
<i>Hypseleotris compressa</i>	1	0
<i>Macquaria novemaculeata</i>	1	0
<i>Mugil cephalus</i>	1	0
<i>Myxus petardi</i>	1	0
<i>Notesthes robusta</i>	1	0
<i>Oncorhynchus mykiss</i>	1	0
<i>Philypnodon grandiceps</i>	1	0
<i>Philypnodon</i> sp1	1	1
<i>Potamalosa richmondia</i>	1	0
<i>Pseudomugil signifer</i>	1	0
<i>Retropinna semoni</i>	1	0
<i>Tandanus tandanus</i>	1	0
<b>Total</b>	<b>17</b>	<b>2</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 6 Fish species recorded in the Karuah River drainage basin (DWR catchment code 209) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

<b>Site code</b>	<b>Site name</b>	<b>Stream</b>	<b>Nearest town</b>	
NCUL58	Stroud	Karuah River	Stroud	

  

<b>Species</b>	<b>1996 Survey*</b>	<b>1983 Survey*</b>
<i>Anguilla australis</i>	0	1
<i>Anguilla reinhardtii</i>	1	1
<i>Gambusia holbrooki</i>	0	1
<i>Gobiomorphus australis</i>	1	0
<i>Gobiomorphus coxii</i>	1	0
<i>Hypseleotris compressa</i>	1	0
<i>Hypseleotris galii</i>	1	1
<i>Macquaria novemaculeata</i>	1	0
<i>Mugil cephalus</i>	1	0
<i>Myxus petardi</i>	1	1
<i>Notesthes robusta</i>	1	0
<i>Philypnodon grandiceps</i>	1	0
<i>Pseudomugil signifer</i>	0	1
<i>Retropinna semoni</i>	1	0
<b>Total</b>	<b>11</b>	<b>6</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 7 Fish species recorded in the Hunter River drainage basin (DWR catchment code 210) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
NCRL49	Dungog	Williams River	Dungog
NCRL47	Elderslie	Hunter River	Singleton
NCS54	Pecan Nut Farm	Hunter River	Muswellbrook
NCZS82	Denman	Goulburn River	Denman

  

Species	1996 Survey*	1983 Survey*
<i>Anguilla reinhardtii</i>	1	0
<i>Carassius auratus</i>	1	1
<i>Cyprinus carpio</i>	1	0
<i>Galaxias olidus</i>	0	1
<i>Gambusia holbrooki</i>	1	1
<i>Gobiomorphus australis</i>	1	0
<i>Gobiomorphus coxii</i>	1	0
<i>Herklotsichthys castelnaui</i>	1	0
<i>Macquaria novemaculeata</i>	1	0
<i>Mugil cephalus</i>	1	1
<i>Myxus petardi</i>	1	0
<i>Notesthes robusta</i>	1	1
<i>Philypnodon grandiceps</i>	1	1
<i>Philypnodon sp1</i>	1	1
<i>Potamalosa richmondia</i>	1	1
<i>Retropinna semoni</i>	1	1
<i>Tandanus tandanus</i>	1	1
<b>Total</b>	<b>16</b>	<b>10</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 8 Fish species recorded in the Hawkesbury River drainage basin (DWR catchment code 212) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
SCM64	Lithgow	Coxs River	Lithgow
SCRL67	Mangrove Mountain	Mangrove Creek	Mangrove Mountain
SCRL70	Wallacia	Nepean River	Wallacia

  

Species	1996 Survey*	1983 Survey*
<i>Anguilla australis</i>	1	1
<i>Anguilla reinhardtii</i>	1	1
<i>Carassius auratus</i>	1	1
<i>Cyprinus carpio</i>	1	0
<i>Galaxias maculatus</i>	0	1
<i>Galaxias olidus</i>	0	1
<i>Gambusia holbrooki</i>	1	1
<i>Gobiomorphus australis</i>	1	1
<i>Gobiomorphus coxii</i>	1	1
<i>Hypseleotris compressa</i>	0	1
<i>Hypseleotris galii</i>	1	0
<i>Maccullochella peelii</i>	0	1
<i>Macquaria australasica</i>	0	1
<i>Macquaria novemaculeata</i>	1	1
<i>Mugil cephalus</i>	1	1
<i>Myxus petardi</i>	1	1
<i>Notesthes robusta</i>	0	1
<i>Oncorhynchus mykiss</i>	1	0
<i>Philypnodon grandiceps</i>	1	1
<i>Philypnodon sp1</i>	1	1
<i>Potamalosa richmondia</i>	0	1
<i>Retropinna semoni</i>	1	1
<i>Salmo trutta</i>	1	1
<i>Tandanus tandanus</i>	1	1
<b>Total</b>	<b>17</b>	<b>21</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).



Table 9 Fish species recorded in the Sydney Coast - Georges River drainage basin (DWR catchment code 213) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town	
SCRL69	Sutherland	Woronora River	Sydney	

  

Species	1996 Survey*	1983 Survey
<i>Anguilla australis</i>	0	1
<i>Anguilla reinhardtii</i>	1	1
<i>Carassius auratus</i>	0	1
<i>Cyprinus carpio</i>	1	1
<i>Galaxias maculatus</i>	1	0
<i>Gambusia holbrooki</i>	0	1
<i>Gobiomorphus australis</i>	1	1
<i>Gobiomorphus coxii</i>	1	0
<i>Hypseleotris compressa</i>	1	0
<i>Hypseleotris galii</i>	0	1
<i>Macquaria colonorum</i>	1	0
<i>Macquaria novemaculeata</i>	1	0
<i>Myxus petardi</i>	1	0
<i>Notesthes robusta</i>	0	1
<i>Philypnodon grandiceps</i>	1	1
<i>Philypnodon sp1</i>	1	0
<i>Pseudomugil signifer</i>	0	1
<i>Redigobius macrostoma</i>	1	0
<i>Retropinna semoni</i>	1	0
<i>Salmo trutta</i>	0	1
<b>Total</b>	<b>13</b>	<b>11</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 10 Fish species recorded in the Shoalhaven River drainage basin (DWR catchment code 215) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
SCRL66	Burrier Pump Station	Shoalhaven River	Nowra

  

Species	1996 Survey*	1983 Survey*
<i>Anguilla australis</i>	0	1
<i>Anguilla reinhardtii</i>	1	1
<i>Carassius auratus</i>	1	1
<i>Cyprinus carpio</i>	1	0
<i>Galaxias brevipinnis</i>	0	1
<i>Galaxias maculatus</i>	0	1
<i>Galaxias olidus</i>	0	1
<i>Gambusia holbrooki</i>	1	0
<i>Gobiomorphus australis</i>	1	1
<i>Gobiomorphus coxii</i>	1	1
<i>Hypseleotris compressa</i>	1	1
<i>Macquaria australasica</i>	0	1
<i>Macquaria novemaculeata</i>	1	0
<i>Mugil cephalus</i>	1	1
<i>Myxus elongatus</i>	1	0
<i>Myxus petardi</i>	1	0
<i>Notesthes robusta</i>	1	0
<i>Philypnodon grandiceps</i>	1	1
<i>Philypnodon</i> sp1	1	1
<i>Potamalosa richmondia</i>	1	0
<i>Prototroctes maraena</i>	0	1
<i>Retropinna semoni</i>	1	1
<i>Salmo trutta</i>	0	1
<b>Total</b>	<b>16</b>	<b>16</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 11 Fish species recorded in the Clyde River - Jervis Bay drainage basin (DWR catchment code 216) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
SCUL79	Batemans Bay	Buckenbowra River	Mogo
SCUL76	Tumble Bar Farm	Clyde River	Brooman

  

Species	1996 Survey*	1983 Survey*
<i>Anguilla reinhardtii</i>	1	0
<i>Galaxias maculatus</i>	1	1
<i>Gobiomorphus australis</i>	1	1
<i>Gobiomorphus coxii</i>	1	0
<i>Hypseleotris compressa</i>	1	0
<i>Hypseleotris</i> spp	0	1
<i>Macquaria australasica</i>	0	1
<i>Macquaria novemaculeata</i>	1	0
<i>Mugil cephalus</i>	0	1
<i>Myxus petardi</i>	1	0
<i>Notesthes robusta</i>	1	1
<i>Philypnodon grandiceps</i>	1	1
<i>Philypnodon</i> sp1	1	0
<i>Prototroctes maraena</i>	1	0
<i>Pseudaphritis urvillii</i>	1	0
<i>Retropinna semoni</i>	1	1
<b>Total</b>	<b>13</b>	<b>8</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 12 Fish species recorded in the Moruya River drainage basin (DWR catchment code 217) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town	
SCS73	Duea National Park	Duea River	Moruya	

  

Species	1996 Survey*	1983 Survey*
<i>Anguilla australis</i>	1	1
<i>Anguilla reinhardtii</i>	1	1
<i>Galaxias maculatus</i>	1	1
<i>Galaxias olidus</i>	0	1
<i>Gobiomorphus australis</i>	0	1
<i>Gobiomorphus coxii</i>	1	1
<i>Hypseleotris compressa</i>	0	1
<i>Macquaria novemaculeata</i>	1	1
<i>Mordacia mordax</i>	0	1
<i>Mordacia praecox</i>	1	1
<i>Mugil cephalus</i>	0	1
<i>Notesthes robusta</i>	1	0
<i>Philypnodon</i> sp1	1	0
<i>Prototroctes maraena</i>	1	0
<i>Pseudaphritis urvillii</i>	1	0
<i>Retropinna semoni</i>	1	1
<i>Salmo trutta</i>	0	1
<b>Total</b>	<b>11</b>	<b>13</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 13 Fish species recorded in the Tuross River drainage basin (DWR catchment code 218) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
SCS74	Narrigundah	Tuross River	Bodalla
SCUL78	Bodalla	Tuross River	Bodalla

  

Species	1996 Survey*	1983 Survey*
<i>Anguilla australis</i>	1	1
<i>Anguilla reinhardtii</i>	1	1
<i>Galaxias maculatus</i>	1	1
<i>Gobiomorphus australis</i>	1	1
<i>Gobiomorphus coxii</i>	1	0
<i>Hypseleotris compressa</i>	1	1
<i>Macquaria novemaculeata</i>	1	0
<i>Mordacia praecox</i>	1	0
<i>Mugil cephalus</i>	1	0
<i>Philypnodon grandiceps</i>	1	0
<i>Philypnodon sp1</i>	1	0
<i>Prototroctes maraena</i>	1	1
<i>Pseudaphritis urvillii</i>	1	0
<i>Retropinna semoni</i>	1	1
<b>Total</b>	<b>14</b>	<b>7</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 14 Fish species recorded in the Bega River drainage basin (DWR catchment code 219) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
SCRL68	Yarranung	Brogo River	Bega
SCS75	Morans Crossing	Bemboka River	Bemboka

  

Species	1996 Survey*	1983 Survey*
<i>Anguilla australis</i>	1	1
<i>Anguilla reinhardtii</i>	1	0
<i>Carassius auratus</i>	1	0
<i>Galaxias maculatus</i>	1	1
<i>Gobiomorphus australis</i>	1	0
<i>Gobiomorphus coxii</i>	1	1
<i>Hypseleotris compressa</i>	1	0
<i>Macquaria novemaculeata</i>	1	0
<i>Mordacia mordax</i>	0	1
<i>Mordacia praecox</i>	1	0
<i>Mugil cephalus</i>	1	0
<i>Notesthes robusta</i>	1	0
<i>Philypnodon grandiceps</i>	1	1
<i>Philypnodon sp1</i>	1	0
<i>Prototroctes maraena</i>	1	0
<i>Pseudaphritis urvillii</i>	1	0
<i>Retropinna semoni</i>	1	1
<b>Total</b>	<b>16</b>	<b>6</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 15 Fish species recorded in the Towamba River drainage basin (DWR catchment code 220) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
SCS72	Burragate	Towamba River	Burragate
SCUL80	Narrabarba	Wonboyn Lake	Womboy Lake

  

Species	1996 Survey*	1983 Survey*
<i>Anguilla reinhardtii</i>	1	0
<i>Galaxias maculatus</i>	1	1
<i>Gobiomorphus australis</i>	1	0
<i>Gobiomorphus coxii</i>	1	0
<i>Oncorhynchus mykiss</i>	1	0
<i>Philypnodon grandiceps</i>	1	0
<i>Pseudaphritis urvillii</i>	1	0
<i>Retropinna semoni</i>	1	1
<b>Total</b>	<b>8</b>	<b>2</b>

Table 16 Fish species recorded in the East Gippsland River drainage basin (DWR catchment code 221) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
SCUL77	Timbilica	Wallagaraugh River	Eden

  

Species	1996 Survey*	1983 Survey*
<i>Anguilla australis</i>	0	1
<i>Anguilla reinhardtii</i>	1	1
<i>Galaxias brevipinnis</i>	0	1
<i>Galaxias maculatus</i>	1	1
<i>Gobiomorphus australis</i>	0	1
<i>Gobiomorphus coxii</i>	1	0
<i>Hypseleotris compressa</i>	0	1
<i>Macquaria novemaculeata</i>	1	0
<i>Mordacia mordax</i>	0	1
<i>Mordacia praecox</i>	1	0
<i>Philypnodon grandiceps</i>	1	1
<i>Philypnodon</i> sp1	1	1
<i>Prototroctes maraena</i>	1	0
<i>Pseudaphritis urvillii</i>	1	0
<i>Retropinna semoni</i>	1	1
<b>Total</b>	<b>10</b>	<b>10</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 17 Fish species recorded in the Snowy River drainage basin (DWR catchment code 222) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
SCM62	Adaminaby	Eucumbene River	Adaminaby
SCM63	Arable	Wullwye Creek	Berridale
SCM61	Bibbenluke	Bombala River	Bombala
SCM65	Bill Jeffery Memorial Park	Delegate River	Delegate
SCS71	No Name Reserve	Snowy River	Jindabyne

  

Species	1996 Survey*	1983 Survey*
<i>Anguilla australis</i>	1	0
<i>Anguilla reinhardtii</i>	1	0
<i>Carassius auratus</i>	1	0
<i>Gadopsis marmoratus</i>	1	1
<i>Galaxias brevipinnis</i>	1	1
<i>Galaxias olidus</i>	1	1
<i>Oncorhynchus mykiss</i>	1	1
<i>Perca fluviatilis</i>	1	1
<i>Pseudaphritis urvillii</i>	1	0
<i>Retropinna semoni</i>	1	1
<i>Salmo trutta</i>	1	1
<i>Salvelinus fontinalis</i>	0	1
<b>Total</b>	<b>11</b>	<b>8</b>

Table 18 Fish species recorded in the Upper Murray River drainage basin (DWR catchment code 401) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
MUL37	Tintaldra	Murray River	Tintaldra

  

Species	1996 Survey*	1983 Survey*
<i>Cyprinus carpio</i>	1	0
<i>Gadopsis bispinosus</i>	1	0
<i>Gadopsis marmoratus</i>	0	1
<i>Galaxias brevipinnis</i>	1	0
<i>Galaxias olidus</i>	0	1
<i>Oncorhynchus mykiss</i>	1	0
<i>Perca fluviatilis</i>	1	1
<i>Retropinna semoni</i>	1	1
<i>Salmo trutta</i>	1	0
<b>Total</b>	<b>7</b>	<b>4</b>



\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 19 Fish species recorded in the Murray River drainage basin (DWR catchment code 409) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
MRL27	Echuca	Murray River	Echuca
MUL39	Kyalite	Wakool River	Kyalite

  

Species	1996 Survey*	1983 Survey*
<i>Bidyanus bidyanus</i>	1	1
<i>Carassius auratus</i>	1	1
<i>Craterocephalus fluviatilis</i>	0	1
<i>Cyprinus carpio</i>	1	1
<i>Gambusia holbrooki</i>	0	1
<i>Hypseleotris</i> spp	1	0
<i>Maccullochella peelii</i>	0	1
<i>Macquaria ambigua</i>	1	1
<i>Mogurnda adspersa</i>	0	1
<i>Mordacia mordax</i>	0	1
<i>Nematalosa erebi</i>	1	1
<i>Perca fluviatilis</i>	1	0
<i>Retropinna semoni</i>	1	1
<i>Tinca tinca</i>	0	1
<b>Total</b>	<b>8</b>	<b>12</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 20 Fish species recorded in the Murrumbidgee River drainage basin (DWR catchment code 410) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
MM22	Benbullen	Queanbeyan River	Queanbeyan
MM23	Cappawidgee	Bredbo River	Bredbo
MM24	Cooma	Cooma Creek	Cooma
MRL29	Bindawalla	Colombo Creek	Urana
MRL30	Glendale	Murrumbidgee River	Bookham
MRL26	Narrandera	Bundidgerry Creek	Narrandera
MRL28	Readymix	Tumut River	Tumut
MS35	Buckmasters Bridge	Yass River	Yass
MS32	Coodravale	Goodradigbee River	Wee Jasper
MUL40	Walbundrie	Billabong Creek	Walbundrie
MUL38	Willow Isles	Murrumbidgee River	Balranald

  

Species	1996 Survey*	1983 Survey*
<i>Ambassis castelnaui</i>	0	1
<i>Anguilla australis</i>	0	1
<i>Bidyanus bidyanus</i>	0	1
<i>Carassius auratus</i>	1	1
<i>Craterocephalus fluviatilis</i>	1	1
<i>Cyprinus carpio</i>	1	1
<i>Gadopsis marmoratus</i>	0	1
<i>Galaxias olidus</i>	1	1
<i>Galaxias rostratus</i>	0	1
<i>Gambusia holbrooki</i>	1	1
<i>Hypseleotris spp</i>	1	1
<i>Leiopotherapon unicolor</i>	1	0
<i>Maccullochella macquariensis</i>	0	1
<i>Maccullochella peelii</i>	0	1
<i>Macquaria ambigua</i>	1	1
<i>Macquaria australasica</i>	1	1
<i>Melanotaenia fluviatilis</i>	1	0
<i>Mogurnda adspersa</i>	0	1
<i>Mordacia mordax</i>	0	1
<i>Nannoperca oxleyana</i>	0	1
<i>Nematalosa erebi</i>	1	1
<i>Oncorhynchus mykiss</i>	1	1
<i>Perca fluviatilis</i>	1	1
<i>Retropinna semoni</i>	1	1
<i>Salmo trutta</i>	1	1
<i>Tandanus tandanus</i>	0	1
<i>Tinca tinca</i>	0	1
<b>Total</b>	<b>15</b>	<b>25</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 21 Fish species recorded in the Lachlan River drainage basin (DWR catchment code 412) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
MM21	Allonby	Belubula River	Blayney
MM25	Arkstone	Retreat River	Black Springs
MS33	Balbardie	Boorowa River	Boorowa
MS31	Little Narraway	Lachlan River	Rugby
MS34	Tuena	Abercombe River	Tuena
MUL36	Wheelba Bridge	Lachlan River	Hillston

  

Species	1996 Survey*	1983 Survey*
<i>Ambassis castelnaui</i>	0	1
<i>Bidyanus bidyanus</i>	1	1
<i>Carassius auratus</i>	1	1
<i>Craterocephalus fluviatilis</i>	0	1
<i>Cyprinus carpio</i>	1	1
<i>Galaxias olidus</i>	1	1
<i>Gambusia holbrooki</i>	1	1
<i>Hypseleotris spp</i>	1	1
<i>Maccullochella peelii</i>	0	1
<i>Macquaria ambigua</i>	1	1
<i>Macquaria australasica</i>	1	1
<i>Nematalosa erebi</i>	1	0
<i>Oncorhynchus mykiss</i>	1	1
<i>Perca fluviatilis</i>	1	1
<i>Philypnodon grandiceps</i>	1	1
<i>Retropinna semoni</i>	1	1
<i>Salmo trutta</i>	1	1
<i>Tandanus tandanus</i>	0	1
<b>Total</b>	<b>14</b>	<b>17</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 22 Fish species recorded in the Gwydir River drainage basin (DWR catchment code 418) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town	
DM3	Riverview	Gwydir River	Yarrowyck	
DRL9	Benbraggie	Gwydir River	Bingarra	
DS15	Reata	Horton River	Upper Horton	
DUL18	Moree	Mehi River	Moree	

  

Species	1996 Survey*	1983 Survey*
<i>Bidyanus bidyanus</i>	1	0
<i>Carassius auratus</i>	1	1
<i>Cyprinus carpio</i>	1	0
<i>Gadopsis marmoratus</i>	1	1
<i>Galaxias olidus</i>	0	1
<i>Gambusia holbrooki</i>	1	1
<i>Hypseleotris species</i>	1	1
<i>Leiopotherapon unicolor</i>	1	1
<i>Maccullochella peelii</i>	1	1
<i>Macquaria ambigua</i>	1	1
<i>Melanotaenia fluviatilis</i>	1	1
<i>Nematalosa erebi</i>	1	1
<i>Perca fluviatilis</i>	1	0
<i>Retropinna semoni</i>	1	1
<i>Tandanus tandanus</i>	1	1
<b>Total</b>	<b>14</b>	<b>12</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 23 Fish species recorded in the Namoi River drainage basin (DWR catchment code 419) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
DM2	Comara	MacDonald River	Bendemeer
DRL6	Vickery Bridge	Namoi River	Boggabri
DS11	Pontibah	Peel River	Attunga
DZS81	Moonbi	Cockburn River	Limbri

  

Species	1996 Survey*	1983 Survey*
<i>Bidyanus bidyanus</i>	1	1
<i>Carassius auratus</i>	1	1
<i>Craterocephalus fluviatilis</i>	0	1
<i>Craterocephalus stercusmuscarum</i>	0	1
<i>Cyprinus carpio</i>	1	0
<i>Gadopsis marmoratus</i>	1	0
<i>Galaxias olidus</i>	0#	1
<i>Gambusia holbrooki</i>	1	1
<i>Hypseleotris</i> spp	1	1
<i>Leiopotherapon unicolor</i>	0	1
<i>Maccullochella peelii</i>	1	1
<i>Macquaria ambigua</i>	1	1
<i>Melanotaenia fluviatilis</i>	1	1
<i>Nematalosa erebi</i>	1	1
<i>Retropinna semoni</i>	1	1
<i>Tandanus tandanus</i>	1	1
<b>Total</b>	<b>12</b>	<b>14</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

# *Galaxias olidus* was recorded during the calibration experiment at the MacDonald River site, but not during standard rivers survey sampling.

Table 24 Fish species recorded in the Castlereagh River drainage basin (DWR catchment code 420) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

<b>Site code</b>	<b>Site name</b>	<b>Stream</b>	<b>Nearest town</b>	
DZUL82	Combogolong	Castlereagh River	Walgett	

  

<b>Species</b>	<b>1996 Survey*</b>	<b>1983 Survey*</b>
<i>Carassius auratus</i>	0	1
<i>Cyprinus carpio</i>	1	0
<i>Gadopsis marmoratus</i>	0	1
<i>Gambusia holbrooki</i>	0	1
<i>Hypseleotris spp</i>	0	1
<i>Leiopotherapon unicolor</i>	1	0
<i>Nematalosa erebi</i>	0	1
<i>Retropinna semoni</i>	1	1
<b>Total</b>	<b>3</b>	<b>6</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 25 Fish species recorded in the Macquarie River drainage basin (DWR catchment code 421) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
DM5	Burrough Crossing	Duckmaloi River	Edith
DM4	Charlton	Campbells River	Rockley
DM1	Riverlee	Fish River	Tarana
DRL10	Burrendong	Macquarie River	Wellington
DS13	Dunedoo	Talbragar River	Dunedoo
DS12	Sofala	Turon River	Sofala
DS14	Weonga	Little River	Wellington
DUL17	Bogan Bridge	Bogan River	Bourke
DUL20	Brewon	Macquarie River	Carinda
DUL19	Koomora	Bogan River	Nyngan

  

Species	1996 Survey*	1983 Survey*
<i>Ambassis agassizii</i>	1	0
<i>Bidyanus bidyanus</i>	0	1
<i>Carassius auratus</i>	1	1
<i>Craterocephalus fluviatilis</i>	0	1
<i>Cyprinus carpio</i>	1	1
<i>Gadopsis marmoratus</i>	0	1
<i>Galaxias olidus</i>	1	1
<i>Gambusia holbrooki</i>	1	1
<i>Hypseleotris spp</i>	1	1
<i>Leiopotherapon unicolor</i>	1	1
<i>Maccullochella peelii</i>	1	1
<i>Macquaria ambigua</i>	1	1
<i>Melanotaenia fluviatilis</i>	1	0
<i>Nematalosa erebi</i>	1	1
<i>Oncorhynchus mykiss</i>	1	1
<i>Perca fluviatilis</i>	1	1
<i>Philypnodon grandiceps</i>	1	0
<i>Retropinna semoni</i>	1	1
<i>Salmo trutta</i>	1	1
<i>Salvelinus fontinalis</i>	0	1
<i>Tandanus tandanus</i>	1	1
<b>Total</b>	<b>17</b>	<b>18</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).

Table 26 Fish species recorded in the Darling River drainage basin (DWR catchment code 425) in the NSW Rivers Survey ("1996 Survey") and a previous study (Llewellyn 1983)("1983 Survey").

Site code	Site name	Stream	Nearest town
DRL8	Downham Farm	Darling River	Wentworth
DRL7	Pooncarie	Darling River	Pooncarie
DUL16	East Toorale	Darling River	Bourke

  

Species	1996 Survey*	1983 Survey*
<i>Bidyanus bidyanus</i>	1	1
<i>Carassius auratus</i>	1	1
<i>Craterocephalus stercusmuscarum</i>	1	0
<i>Cyprinus carpio</i>	1	1
<i>Gambusia holbrooki</i>	0	1
<i>Hypseleotris</i> spp	1	0
<i>Leiopotherapon unicolor</i>	1	1
<i>Maccullochella peelii</i>	1	0
<i>Macquaria ambigua</i>	1	1
<i>Melanotaenia fluviatilis</i>	1	0
<i>Nematalosa erebi</i>	1	1
<i>Perca fluviatilis</i>	0	1
<i>Retropinna semoni</i>	1	1
<b>Total</b>	<b>11</b>	<b>9</b>

\*1 - Species recorded, 0 - Species not recorded (Details of fish records at individual sites and times are given in Harris *et al.* (1996).









Table 1 (continued)

Metric	Site No.	Murray																			
		Montane					Regulated Lowland					Slopes					Unregulated Lowland				
		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
1	1	3	3	3	3	3	1	1	5	3	1	5	1	5	5	3	3	1	3	1	1
	2	3	3	3		3	1	3	3	3	1	5	3	3	5	3	3	1	5	5	3
	3	3	3	3	1		5	1	3	3	1	5	1	3	5	1	5	1	5	5	3
	4	3	3	3	3	3	1	1	3	5	1	5	1	3	5	3	1	3	3	5	3
2	1	5	5	5	5	5	1	1	3	3	1	5	1	5	3	5	1	1	3	1	1
	2	5	5	5		5	3	3	5	1	1	1	1	5	5	5	3	1	3	3	1
	3	5	5	5	5	1	3	1	1	3	1	1	1	5	5	1	3	3	3	3	1
	4	5	5	5	5	5	3	3	5	3	3	5	1	5	1	5	1	3	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1	1	1
	2	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	5	1	1	1
	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1	1	1
4	1	1	3	1	1	3	3	3	5	5	5	5	3	3	3	1	3	3	3	3	3
	2	1	1	3		3	3	3	3	5	3	5	5	1	5	5	3	5	3	5	3
	3	1	1	3	1	1	3	3	5	5	3	5	5	5	3	5	3	3	5	3	3
	4	1	3	3	1	1	3	1	3	5	3	5	5	5	5	5	3	5	3	5	3
5	1	1	5	3	3	5	1	3	5	1	5	5	3	3	5	1	3	3	1	1	1
	2	1	3	3		5	1	1	5	1	1	3	5	1	5	3	1	3	3	3	3
	3	1	3	3	1	1	3	1	5	1	3	3	5	1	3	1	1	3	3	1	3
	4	1	5	3	1	3	1	1	5	1	1	5	5	3	5	1	1	3	1	3	3
6	1	5	3	5	5	3	1	1	3	3	1	1	1	5	1	1	3	1	1	1	1
	2	5	5	5		5	1	3	3	1	1	3	1	5	3	1	3	1	3	5	1
	3	5	3	5	5	1	5	1	1	5	1	1	1	1	5	1	5	1	5	3	1
	4	5	1	1	5	5	1	1	1	5	1	1	1	5	1	1	1	5	1	1	1
7	1	5	3	3	3	3	3	1	3	3	1	3	1	3	3	3	3	1	3	1	1
	2	5	3	3		3	3	3	1	3	1	3	1	5	3	1	3	1	3	3	3
	3	5	3	3	5	1	5	1	1	3	3	3	1	1	5	1	3	1	3	3	3
	4	3	3	3	5	3	1	3	1	3	1	5	1	1	5	1	3	3	3	3	3
8	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	2	5	5	5		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	4	5	5	3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
9	1	5	3	5	5	3	1	1	1	3	1	1	1	5	1	1	1	1	1	1	1
	2	5	5	5		5	1	3	3	1	1	3	1	5	3	3	1	1	1	3	1
	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4	5	1	1	5	5	1	1	1	5	1	1	1	5	1	5	1	5	1	1	1
10	1	1	5	5	5	5	5	5	5	5	5	1	3	5	5	1	5	5	5	5	1
	2	1	3	3		5	1	1	3	5	3	1	5	1	3	5	1	5	3	1	3
	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4	5	5	5	1	1	3	1	5	1	5	3	5	5	1	5	1	5	3	3	5
11	1	1	1	1	1	1	1	1	1	3	1	3	1	1	1	1	1	1	1	1	1
	2	1	1	5	1	3	1	3	3	3	1	3	5	1	5	5	3	3	1	5	1
	3	1	1	1	1	3	5	1	5	1	1	1	3	1	5	1	5	1	1	1	1
	4	5	1	3	1	5	1	5	1	3	1	3	3	1	1	3	1	1	1	1	1
12	1	5	5	5	5	5	1	5	5	1	5	1	5	5	3	5	1	5	1	1	1
	2	5	5	5		5	3	5	5	1	5	3	5	5	5	3	3	5	1	1	1
	3	5	5	5	5	1	5	5	5	1	5	1	5	5	5	5	3	5	1	1	1
	4	5	5	1	5	5	1	1	5	3	5	3	5	5	5	5	1	5	5	1	5
IBI	1	38	42	42	42	42	24	28	42	36	32	36	26	46	36	28	30	32	28	22	18
	2	38	40	46	NF	48	24	34	40	30	24	36	38	38	48	40	30	36	32	40	26
	3	34	32	36	34	18	42	22	34	30	26	28	30	30	44	24	36	26	34	28	24
	4	44	38	32	38	42	22	24	36	40	28	42	34	44	36	40	20	48	28	30	32

Table 1 (continued)

Metric	Site No.	North Coast																				
		Montane					Regulated Lowland					Slopes					Unregulated Lowland					
		41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	83	56	57	58	59	60
1	1	1	1	1	1	3	1	5	3	5	3	3	3	1	3		5	3	3	3	3	
	2	1	1	1	1	3	3	5	3	5	3	3	3	1	3		5	5	3	5	5	
	3	1	1	1	1	3	3	5	3	5	3	3	3	1	3		5	3	3	3	5	
	4	1	1	1	1	3	3	5	3	5	3	3	3	1	3	1	5	3	3	3	5	
2	1	3	3	1	3	3	3	3	1	5	5	3	3	3	3		5	3	5	1	3	
	2	3	1	1	1	3	3	3	5	5	5	5	3	3	3	5	5	5	5	5	5	
	3	3	3	1	3	1	3	3	5	5	5	1	3	3	1	5	5	5	5	3	5	
	4	3	3	1	1	1	1	3	3	5	5	3	3	3	3	5	3	5	1	5		
3	1	3	5	1	3	3	3	5	5	5	5	3	3	3	3	5	5	5	3	5	3	
	2	3	3	1	3	1	1	3	5	3	5	3	3	3	3	3	5	3	3	5	5	
	3	3	3	1	3	1	3	3	5	5	5	5	3	3	3	5	5	5	3	3	5	
	4	3	3	1	3	3	3	3	5	3	5	3	3	3	3	3	1	5	1	3	5	
4	1	1	1	1	1	5	3	5	1	5	3	3	3	3	1		5	3	3	3	3	
	2	1	1	1	1	5	3	5	1	5	3	3	3	1	5		5	5	3	5	5	
	3	1	1	1	1	3	3	5	1	5	3	3	3	1	3		5	3	3	3	5	
	4	1	1	1	1	5	3	5	1	5	3	3	3	3	5	1	5	5	3	3	5	
5	1	1	1	1	1	1	1	5	3	3	3	3	3	1	1		5	3	3	3	3	
	2	1	1	1	1	3	1	5	1	5	3	3	3	1	3		5	5	3	5	5	
	3	1	1	1	1	3	1	5	3	5	3	1	3	1	1		3	3	3	5	5	
	4	1	1	1	1	3	3	5	1	5	3	3	3	1	3	1	5	3	3	3	5	
6	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5		5	5	5	5	5	
	2	5	5	5	5	5	5	5	5	5	5	5	5	5	5		5	5	5	5	5	
	3	5	5	5	5	3	5	5	5	5	5	5	5	5	5		5	5	5	5	5	
	4	5	5	5	5	1	5	5	5	5	5	5	5	5	3	5	1	5	5	5	5	
7	1	5	5	3	5	3	5	5	5	5	5	5	5	5	5		5	5	5	5	5	
	2	5	5	5	5	3	5	5	5	5	5	5	5	5	5		5	5	5	5	5	
	3	5	5	5	5	3	5	5	5	5	5	5	5	5	5		5	5	5	5	5	
	4	5	5	5	5	3	5	5	5	5	5	5	5	5	5	3	5	5	5	5	5	
8	1	5	5	5	5	3	3	1	5	5	5	3	5	5	5		3	1	5	3	3	
	2	5	5	5	5	3	5	3	5	3	3	5	5	3	5		5	1	3	3	3	
	3	5	5	5	5	5	5	5	5	5	5	5	5	3	5		5	5	5	5	5	
	4	5	5	5	5	3	5	1	5	3	5	5	3	5	5	5	5	1	5	3	5	
9	1	5	1	1	1	5	1	1	1	1	1	1	1	1	1		1	1	1	1	1	
	2	5	1	1	1	5	3	3	1	3	1	3	5	3	1	3		3	1	1	3	3
	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1
	4	5	1	1	1	5	3	1	1	1	1	3	5	1	5	5	1	5	1	5	1	3
10	1	3	5	5	5	5	5	5	3	5	5	5	5	5	5		5	5	5	5	5	
	2	3	5	5	5	1	1	5	5	5	5	5	5	5	5		5	3	5	5	3	
	3	1	1	1	1	1	1	1	1	1	1	5	1	1	1	1		1	1	1	1	1
	4	3	5	5	5	1	3	5	5	5	5	5	5	3	5	5	1	1	3	5	5	1
11	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1		1	1	1	1	1	
	2	1	1	1	1	3	1	1	3	1	3	1	1	1	1	3		1	3	1	3	1
	3	1	1	1	1	1	1	1	3	1	5	1	3	1	1	5		5	5	1	1	3
	4	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	5	5	3	1	1
12	1	5	1	5	5	5	5	1	5	1	3	5	5	5	1	1		5	5	1	5	5
	2	5	5	5	5	5	5	1	5	3	3	1	5	5	1	5		3	5	5	5	5
	3	1	1	5	1	1	5	1	5	5	5	5	5	5	5	5		5	5	3	3	5
	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
IBI	1	38	34	30	36	34	40	32	46	36	48	46	40	42	34	36	-	50	40	40	40	40
	2	38	34	32	34	30	38	38	52	40	50	40	46	44	30	50	-	52	46	42	54	50
	3	28	28	28	28	20	38	32	50	40	52	42	38	38	28	44	-	50	46	38	38	50
	4	38	36	32	34	28	40	42	48	40	50	44	46	38	40	50	24	56	40	50	40	46

Table 1 (continued)

Metric	Site No.	South Coast																		
		Montane					Regulated Lowland					Slopes					Unregulated Lowland			
		61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
1	1	1	1	1	1	3	3	5	5	3	1	1	3	3	1	3	3	5	5	3
	2	1	1	1	1	3	3	5	5	3	1	1	5	5	3	5	5	5	5	3
	3	1	1		1	1	3	3	3	1	3	1	1	3	3	1	5	3	3	3
	4	1	1	1	1	1	3	3	5	5	1	1	1	3	3	1	5	5	5	3
2	1	1	1	1	1	3	5	3	5	3	1	3	3	3	1	5	5	5	5	5
	2	1	1	1	1	1	3	5	3	5	1	1	3	3	5	3	5	5	5	1
	3	1	1		1	1	3	5	3	5	3	1	3	3	3	3	5	3	3	1
	4	1	1	1	1	1	3	3	5	5	1	1	3	3	3	3	3	3	5	1
3	1	3	3	3	1	5	1	3	5	5	1	5	3	5	5	3	5	5	5	3
	2	5	3	3	3	3	1	3	5	3	3	5	3	5	5	3	3	5	3	3
	3	3	1		1	5	1	3	5	3	1	5	3	5	3	3	5	5	3	5
	4	5	1	3	1	3	3	3	5	3	1	5	3	3	5	3	5	5	3	5
4	1	3	1	1	5	3	5	3	3	3	5	3	1	1	3	1	1	1	5	1
	2	1	3	1	5	1	5	5	5	5	3	1	1	5	1	1	5	5	5	1
	3	5	5		3	1	5	3	1	5	3	1	1	1	1	1	3	1	3	1
	4	3	5	1	5	1	5	5	5	5	5	1	1	5	1	1	5	5	3	1
5	1	3	1	1	3	1	3	1	5	5	3	1	1	3	5	1	3	1	5	1
	2	1	3	1	3	1	5	1	5	5	1	3	1	5	3	1	5	5	5	1
	3	5	5		1	1	3	1	1	5	1	3	1	1	1	1	5	3	3	3
	4	3	5	1	3	1	5	1	5	5	1	1	1	5	1	1	5	5	3	3
6	1	5	5	5	1	3	5	5	5	5	5	3	5	5	5	5	5	5	5	5
	2	3	1	3	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	3	1	1		1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	4	3	1	5	1	3	5	5	5	5	5	5	5	5	5	5	5	5	5	5
7	1	3	5	5	1	3	5	5	5	5	5	3	5	5	5	5	5	5	5	5
	2	3	3	3	1	3	5	5	5	5	5	3	5	5	5	5	5	5	5	5
	3	1	1		1	5	5	5	5	5	5	3	5	5	5	5	5	5	5	5
	4	3	1	3	1	3	5	3	5	5	3	5	5	5	5	5	5	5	5	5
8	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	2	5	5	5	5	5	3	5	5	3	5	5	5	5	5	5	5	5	5	5
	3	5	5		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	4	5	5	5	5	5	5	5	5	1	5	5	5	5	5	5	5	5	5	5
9	1	1	5	1	3	1	3	1	1	1	5	3	3	5	3	1	5	5	5	5
	2	1	1	1	3	3	3	3	1	1	3	1	1	5	5	3	3	1	5	3
	3	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4	1	1	1	5	1	1	3	5	1	5	5	5	5	5	5	3	3	5	5
10	1	5	1	5	5	5	5	5	5	5	5	5	5	3	5	5	5	1	3	5
	2	5	5	5	5	5	5	5	5	5	5	5	5	5	3	5	5	5	5	5
	3	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4	5	5	5	1	5	5	5	5	5	5	3	5	3	3	5	5	3	3	5
11	1	1	1	1	1	1	1	1	1	3	3	1	1	3	1	1	1	1	1	1
	2	1	1	1	1	1	1	1	3	3	1	1	1	3	3	3	1	1	1	1
	3	1	1		3	1	1	1	1	1	1	1	1	3	3	5	1	5	1	3
	4	1	1	1	5	1	1	1	5	3	3	3	1	3	3	1	1	1	3	1
12	1	5	5	5	5	5	3	1	5	5	5	5	5	5	5	5	5	5	3	5
	2	5	5	5	5	5	5	1	5	5	5	5	5	5	5	5	5	5	1	5
	3	5	5		5	5	5	1	3	3	5	5	1	5	5	5	3	1	5	1
	4	5	5	5	5	5	5	1	5	5	3	5	5	5	5	5	5	3	5	3
IBI	1	36	34	34	32	34	42	38	48	52	48	36	38	46	48	34	48	42	52	56
	2	32	32	30	34	36	44	42	52	50	40	36	36	56	50	42	52	52	50	56
	3	30	28	NF	24	32	38	34	34	40	34	32	28	38	36	36	44	38	38	38
	4	36	32	32	34	30	46	38	60	48	38	40	40	50	44	40	52	48	56	50

