

APPENDIX 3

Table of catches from fishers' statutory monthly returns for 2002/03

This table contains the landed¹ and estimated live weight² of species recorded in the compulsory catch and fishing effort returns provided by fishermen each month. These data include the catch taken as by-product as well as the targeted catch. These catch data may differ slightly from some of the catch estimates presented for specific fisheries as the latter may include additional data from other sources, such as research log books and processors. The figures may also differ slightly from previously reported figures as additional data may have been received by the Department. The table represents the latest year for which a complete set of data is available.

While scientific names have been included wherever possible, it should be noted that many fish recorded under a common name cannot be identified to a single species, and must be reported as a commercial grouping of several species. For example, the common name 'jobfish' may be used for several species of the genus *Pristipomoides*.

Data for species with live weight catches of less than 500 kg have been combined into the general or 'other' category within each class.

COMMON NAME	SCIENTIFIC NAME	LANDED WEIGHT (kg)	LIVE WEIGHT (kg)
FISH			
Amberjack	<i>Seriola dumerili</i>	6,628	6,628
Anchovy	<i>Engraulis australis</i>	1,559	1,559
Barracuda (northern pike)	Sphyraenidae	1,144	1,159
Barramundi (giant perch)	<i>Lates calcarifer</i>	31,246	44,812
Bigeeye (not tuna)	Priacanthidae	69,459	69,459
Boarfish	Pentacerotidae	3,326	3,800
Bream, black	<i>Acanthopagrus butcheri</i>	36,948	36,948
Bream, buffalo	Kyphosidae	3,160	3,160
Bream, monocle	<i>Scolopsis</i> spp.	12,419	12,419
Bream, Robinson's	<i>Gymnocranius grandoculis</i>	59,391	59,391
Bream, sea	<i>Gymnocranius</i> spp.	7,039	7,039
Bream, silver (tarwhine)	<i>Rhabdosargus sarba</i>	12,817	12,817
Bream, western yellowfin	<i>Acanthopagrus latus</i>	22,532	22,532
Catfish, sea (golden cobbler)	Ariidae	9,726	10,201
Chinaman fish (not cod)	<i>Symphorus nematophorus</i>	11,241	11,241
Cobbler	<i>Cnidoglanis macrocephalus</i>	74,279	104,519
Cobbler, silver	<i>Arius midgleyi</i>	96,741	173,820
Cod	Serranidae	79,523	80,678
Cod, bar (grey-banded, 8-bar)	<i>Epinephelus octofasciatus</i>	27,043	27,162
Cod, breaksea	<i>Epinephelides armatus</i>	8,618	9,122
Cod, chinaman	<i>Epinephelus rivulatus</i>	6,445	6,446
Cod, maori	<i>Epinephelus cyanopodus</i>	504	504
Cod, Rankin	<i>Epinephelus multinotatus</i>	65,992	66,577
Cod, spotted	<i>Epinephelus microdon/areolatus/bilobatus</i>	46,247	46,265
Dhufish, West Australian (jewfish)	<i>Glaucosoma hebraicum</i>	244,177	259,074
Dolphinfish	<i>Coryphaena hippurus</i>	800	800
Emperor, blue-lined (grass, black)	<i>Lethrinus laticaudis</i>	1,667	1,667
Emperor, blue-spot	<i>Lethrinus hutchinsi</i>	394,542	394,542
Emperor, red-spot (snapper)	<i>Lethrinus lentjan</i>	82,488	82,488
Emperor, red	<i>Lutjanus sebae</i>	277,051	277,309
Emperor, spangled	<i>Lethrinus nebulosus</i>	125,211	126,083

COMMON NAME	SCIENTIFIC NAME	LANDED WEIGHT (kg)	LIVE WEIGHT (kg)
<i>FISH (cont.)</i>			
Emperor, sweetlip	<i>Lethrinus miniatus</i>	92,393	92,395
Flagfish (Spanish flag)	<i>Lutjanus vitta, L. quinquelineatus, L. carponotatus, L. lutjanus</i>	252,088	252,088
Flathead	Platycephalidae	13,903	13,904
Flounder	Bothidae	2,357	2,357
Footballer (footballer sweep, banded sweep)	<i>Scorpius georgianus</i>	633	687
Foxfish (hogfish, pigfish)	<i>Bodianus</i> spp.	970	982
Garfish, sea	<i>Hyporhamphus melanochir</i>	33,842	33,842
Groper, baldchin	<i>Choerodon rubescens</i>	42,636	46,251
Groper, blue	<i>Achoerodus gouldii</i>	25,878	32,863
Groper (wrasses)	Labridae	7,588	7,876
Gurnard	Triglidae	607	607
Halibut	<i>Psettodes erumei</i>	5,656	5,656
Hapuku	<i>Polyprion oxygeneios</i>	28,493	28,820
Herring, Australian	<i>Arripis georgianus</i>	531,207	531,207
Herring, Perth	<i>Nematalosa vlaminghi</i>	10,801	10,801
Javelin fish	<i>Pomadasys</i> spp.	13,459	13,489
Jobfish	<i>Pristipomoides</i> spp.	37,556	37,556
Jobfish (goldband snapper)	<i>Pristipomoides multidens</i>	449,467	450,437
Jobfish, rosy	<i>Pristipomoides filamentosus</i>	118,724	118,724
Jobfish (sharptooth snapper)	<i>Pristipomoides typus</i>	6,393	6,393
Kingfish, black (cobia)	<i>Rachycentron canadum</i>	42,805	43,527
Kingfish, yellowtail	<i>Seriola lalandi</i>	2,151	2,320
Knifejaw	<i>Oplegnathus woodwardi</i>	1,895	2,065
Leather jacket	Monacanthidae	41,482	65,576
Ling, pink (rock)	<i>Genypterus tigerinus</i>	704	704
Mackerel, blue	<i>Scomber australasicus</i>	2,693	2,693
Mackerel, grey (broad-barred)	<i>Scomberomorus semifasciatus</i>	21,958	26,889
Mackerel, other	Scombridae	18,264	19,631
Mackerel, scaly	<i>Sardinella lemuru</i>	1,801,101	1,801,101
Mackerel, shark (salmon)	<i>Grammatorcynus bicarinatus</i>	811	839
Mackerel, Spanish	<i>Scomberomorus commerson</i>	355,679	477,650
Mangrove jack	<i>Lutjanus argentimaculatus</i>	12,992	13,022
Maray	<i>Etrumeus teres</i>	119,737	119,737
Mullet, other	Mugilidae	3,451	3,579
Mullet, red	Mullidae	120,473	120,473
Mullet, sea	<i>Mugil cephalus</i>	325,595	326,653
Mullet, yellow-eye	<i>Aldrichetta forsteri</i>	51,475	52,759
Mulloway	<i>Argyrosomus hololepidotus</i>	57,852	60,538
Mulloway, northern (black jew)	<i>Protonibea diacanthus</i>	3,903	4,561
Parrot fish	Scaridae	12,806	12,910
Perch, darktail sea (maroon sea)	<i>Lutjanus lemniscatus</i>	11,771	11,816
Perch, Moses	<i>Lutjanus russelli</i>	58,592	58,592
Perch, pearl	<i>Glaucosoma buergeri</i>	44,238	44,239
Perch, red	<i>Lutjanus</i> spp	1,399	1,399

COMMON NAME	SCIENTIFIC NAME	LANDED WEIGHT (kg)	LIVE WEIGHT (kg)
<i>FISH (cont.)</i>			
Perch, scarlet sea (saddletail sea)	<i>Lutjanus malabaricus</i>	166,627	166,628
Perch, yellowtail	<i>Amniataba caudavittatus</i>	1,431	1,431
Perches, other	Lutjanidae	12,931	12,931
Pike, sea	<i>Sphyaena novaehollandiae</i>	1,708	1,708
Pilchard	<i>Sardinops sagax ocellatus</i>	2,063,619	2,063,619
Pomfret, black	<i>Parastromateus niger</i>	3,053	3,060
Queenfish	<i>Scomberoides commersonnianus</i>	276	820
Redfish	<i>Centroberyx</i> spp	86,771	87,912
Redfish, Bight	<i>Centroberyx gerrardi</i>	18,299	18,501
Salmon, western Australian	<i>Arripis truttaceus</i>	1,856,839	1,857,118
Samson fish (sea kingfish)	<i>Seriola hippos</i>	108,460	115,302
Sawfish	Pristidae	1,722	6,306
Sawfish, green	<i>Pristis zijsron</i>	650	1,517
Sawfish, narrow	<i>Anoxypristis cuspidata</i>	2,220	5,175
Scad, yellowtail	<i>Trachurus novaezelandiae</i>	12,262	12,262
Scorpion fishes	Scorpaenidae	10,158	10,158
Shark, blacktip	<i>Carcharhinus</i> spp.	103,140	248,125
Shark, bronze whaler (dusky whaler)	<i>Carcharhinus obscurus</i>	186,542	296,773
Shark, creek whaler	<i>Carcharhinus fitzroyensis</i>	843	1,341
Shark, eastern school	<i>Galeorhinus galeus</i>	9,211	14,643
Shark, golden (copper whaler)	<i>Carcharhinus brachyurus</i>	23,059	36,371
Shark, graceful	<i>Carcharhinus amblyrhynchoides</i>	500	796
Shark, grey nurse	<i>Carcharias taurus</i>	1,118	1,781
Shark, grey reef	<i>Carcharhinus amblyrhynchos</i>	3,966	6,917
Shark, gummy	<i>Mustelus antarcticus</i>	247,708	393,541
Shark, hammerhead	Sphyrnidae	70,156	116,628
Shark, lemon	<i>Negaprion acutidens</i>	36,990	59,690
Shark, mako (shortfin)	<i>Isurus oxyrinchus</i>	7,617	12,109
Shark, oceanic whitetip	<i>Carcharhinus longimanus</i>	1,300	3,372
Shark, other		98,059	158,177
Shark, pencil	<i>Hypogaleus hyugaensis</i>	1,914	2,919
Shark, pigeye	<i>Carcharhinus amboinensis</i>	31,953	61,232
Shark, saw	<i>Pristiphorus</i> spp.	472	1,099
Shark, silvertip	<i>Carcharhinus albimarginatus</i>	320	509
Shark, spinner (long-nose grey)	<i>Carcharhinus brevipinna</i>	1,250	1,992
Shark, spot-tail	<i>Carcharhinus sorrah</i>	2,835	4,413
Shark, thickskin (sandbar)	<i>Carcharhinus plumbeus</i>	164,312	261,118
Shark, tiger	<i>Galeocerdo cuvier</i>	41,190	72,492
Shark, whiskery	<i>Furgaleus macki</i>	110,257	165,275
Shark, wobbegong	Orectolobidae	74,536	117,446
Shovelnose (fiddler rays)	Rhinobatidae, Rhynchobatidae	6,874	23,883
Skates and rays, other		12,088	23,475
Smelt (hardyhead)	Atherinidae	1,330	1,330
Snapper, bullnose (variegated emperor)	<i>Lethrinus ravus</i>	2,913	2,913
Snapper, frypan	<i>Argyrops spinifer</i>	49,225	49,225

COMMON NAME	SCIENTIFIC NAME	LANDED WEIGHT (kg)	LIVE WEIGHT (kg)
<i>FISH (cont.)</i>			
Snapper, long nose	<i>Lethrinus olivaceus</i>	21,148	21,148
Snapper, north-west	Lethrinidae	73,868	76,946
Snapper, north-west (large)	<i>Lethrinus</i> spp.	15,170	15,170
Snapper, north-west (small)	<i>Lethrinus lentjan</i> , <i>L. choerorhynchus</i> etc	105,975	105,975
Snapper, pink	<i>Pagrus auratus</i>	830,622	842,079
Snapper, queen	<i>Nemadactylus valenciennesi</i>	43,091	51,179
Snapper, red (swallowtail)	<i>Lutjanus erythropterus</i>	268,366	268,368
Snapper, ruby	<i>Etelis</i> spp.	11,470	11,528
Sole	Cynoglossidae, Soleidae	805	805
Sprat, blue	<i>Spratelloides robustus</i>	23,024	23,024
Sweep	<i>Scorpius aequipinnis</i>	1,230	1,346
Sweetlip	Haemulidae	96,789	98,101
Tailor	<i>Pomatomus saltatrix</i>	32,073	32,073
Threadfin	Polynemidae	14,602	17,360
Threadfin bream (butterfish)	Nemipteridae	449,708	449,708
Threadfin, giant (king salmon)	<i>Eleutheronema tetradactylum</i>	147,128	156,274
Trevalla, deepsea	<i>Hyperoglyphe antarctica</i>	14,244	14,274
Trevally, golden	<i>Gnathanodon speciosus</i>	9,895	10,141
Trevally, other (skippy)	Carangidae	207,746	207,923
Trevally, skipjack	<i>Pseudocaranx dentex</i>	3,471	3,559
Tripletail	<i>Lobotes surinamensis</i>	916	1,033
Trout, coral	<i>Plectropomus maculatus</i>	23,854	24,206
Trout, spotted (duskytail groper)	<i>Epinephelus bleekeri</i>	4,463	4,463
Tuna, mackerel	<i>Euthynnus affinis</i>	944	949
Tuna, other	Scombridae	31,722	31,841
Tuna, skipjack (striped)	<i>Katsuwonus pelamis</i>	490	535
Tuna, yellowfin	<i>Thunnus albacares</i>	3,793	4,222
Tuskfish, bluebone	<i>Choerodon</i> spp.	17,332	17,332
Wahoo	<i>Acanthocybium solandri</i>	846	913
Whitebait	<i>Hyperlophus vittatus</i>	173,908	173,908
Whiting, golden-lined	<i>Sillago analis</i>	3,324	3,324
Whiting, King George	<i>Sillaginodes punctata</i>	18,227	18,239
Whiting, other	Sillaginidae	2,617	2,617
Whiting, western sand	<i>Sillago schomburgkii</i>	148,913	148,929
Other fish varieties		104,543	113,438
Total fish		15,153,462	16,377,392
<i>CRABS</i>			
Crab, coral	<i>Charybdis feriata</i>	1,446	1,446
Crab, giant (king)	<i>Pseudocarcinus gigas</i>	16,266	16,266
Crab, mud	<i>Scylla serrata</i>	2,528	2,528
Crab, blue swimmer (blue manna, sand)	<i>Portunus pelagicus</i>	1,002,626	1,002,626
Crab, crystal (snow)	<i>Chaceon bicolor</i>	186,505	186,505
Crab, champagne (spiny)	<i>Hypothalassia acerba</i>	20,254	20,254
Total crabs		1,229,625	1,229,625

COMMON NAME	SCIENTIFIC NAME	LANDED WEIGHT (kg)	LIVE WEIGHT (kg)
PRAWNS			
Prawn, banana	<i>Fenneropenaeus merguensis</i>	418,133	418,133
Prawn, brown tiger	<i>Penaeus esculentus</i>	1,312,176	1,312,176
Prawn, coral	<i>Metapenaeopsis</i> spp.	267,297	267,297
Prawn, endeavour	<i>Metapenaeus endeavouri</i>	290,281	290,281
Prawn, western king	<i>Melicertus latisulcatus</i>	1,768,751	1,768,751
Other prawns	Penaeidae	179	179
Total prawns		4,056,817	4,056,817
LOBSTERS			
Rock lobster, southern	<i>Jasus edwardsii</i>	61,192	61,192
Rock lobster, western	<i>Panulirus cygnus</i>	11,416,176	11,416,176
Bugs	Scyllaridae	24,710	28,617
Total lobsters		11,502,078	11,505,985
MOLLUSCS			
Abalone, brownlip	<i>Haliotis conicopora</i>	11,248	28,151
Abalone, greenlip	<i>Haliotis laevigata</i>	52,857	140,739
Abalone, Roe's	<i>Haliotis roei</i>	88,084	100,816
Cockles	<i>Katelysia</i> spp.	1,533	1,533
Cuttlefish	Sepiidae	105,907	105,979
Mussel	<i>Mytilus edulis</i>	4,000	4,000
Octopus	<i>Octopus</i> spp. (mainly <i>O. tetricus</i>)	125,324	242,924
Scallop, saucer	<i>Amusium balloti</i>	1,389,026	6,821,802
Squid	<i>Sepioteuthis</i> spp., <i>Loligo</i> spp.	148,518	148,518
Other molluscs		79	79
Total molluscs		1,926,576	7,594,541
OTHER CLASSES			
Beche de mer	Holothuridae	44,430	123,348
Other		57	57
Total other classes		44,487	123,405
GRAND TOTAL		33,913,045	40,887,765

1. *Landed weight*: refers to the mass (or weight) of a product at the time of landing, regardless of the state in which is landed. That is, the fish may be whole, gutted or filleted etc. This unit is of limited use for further analysis except where it is known that the product is very homogenous in nature. Where more detailed analysis of the data is required the landed weight is generally converted to a more meaningful measure, the most frequently used being termed live or whole weight or 'nominal catch'.
2. *Live weight*: refers to the landings converted to a live weight basis. In fact it is often referred to as the 'live weight equivalent of the landings' or shortened to the 'live weight'. Although live weight may be the preferred unit it is rarely obtained as a direct measure. This is because it would usually have to be made on board a fishing vessel where the practical difficulties associated with the working conditions render it impossible. Live weight has to be derived and this is usually done by applying a conversion factor to the landed weight.

More information may be obtained from the 'CWP Handbook of Fishery Statistical Standards' at the website <http://www.fao.org/figis/servlet/static?dom=root&xml=ontology/index.xml>.

Reported catches from collectors' licences for 2002/03

COMMON NAME	SCIENTIFIC NAME	QUANTITY	WEIGHT (kg)
Aquarium fish		116,828	
Hermit crabs	<i>Coenobita variabilis</i>	156,405	
Specimen shells*		12,927	
Invertebrates		31,525	
Corals	Order Scleractinia		4,300
Soft corals, living rock, living sand, algae			7,375

*Excludes *Trochus hanleyanus* taken for other purposes.