

STATUS OF STOCKS AS AT DECEMBER 2019 OR 'LAST ASSESSMENT DATE'

The table below provides a summary of the status of all important Quota Management System (QMS) and non-QMS stocks: 388 fish stocks or sub-stocks, comprising 383 QMS stocks or sub-stocks and 5 non-QMS species, the latter of which are all Antarctic or Highly Migratory Species (HMS), with each being treated as a single stock in New Zealand or Antarctic waters (HMS species are denoted by * in the first column of the summary table). QMS fish stocks not included in the Status of Stocks summary are those with nominal TACs or TACCs (generally less than 10-20 t) for which a development potential has not currently been demonstrated (a total of 297 stocks). These are nominal stocks.

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At or above target levels?:	The level we want a fish stock to fluctuate around for the best balance between use and sustainability, while allowing for environmental variation.
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Species name	Plenary stock	Last assessment date	At or above target levels?	Below the soft limit?	Below the hard limit?	Overfishing?	Corrective management action
Albacore* (not in QMS)	South Pacific albacore ALB1	2018	●	●●	●●●	●●●	-
Alfonsino	BYX1	-					-
Alfonsino	BYX2, BYX3, BYX7	-					-
Anchovy	ANC1	-	●●●	●●●	●●●	●●●	-
Arrow squid	SQU1T, SQU6T	-			●●		-
Barracouta	BAR1	2018	●●	●●●	●●●	●●	-
Barracouta	BAR4	-					-
Barracouta	BAR5	2017		●●●	●●●		-
Barracouta	BAR7	2016		●●●	●●●		-
Bigeye tuna*	Western & Central Pacific Ocean BIG1	2018	●	●●	●●●	●●	Conservation and management measure adopted at WCPFC15 (CMM 2018-01)
Black cardinalfish	CDL1, CDL5, CDL7	-					-
Black cardinalfish	CDL2, CDL3, CDL4	2014	■ ■ ■	■ ■	■		3-year staged TACC reductions implemented over 2009/10-2011/12 years, with TACC remaining low since
Bladder kelp	KBB3G, KBB4G	2013	●●●	●●●	●●●	●●●	-
Blue cod	BCO1, BCO8	-	●	●●	●●		-
Blue cod	BCO3	2019	●	●●	●●●	■	Extend potting survey time series to better assess CPUE trends; new National Blue Cod Strategy being implemented; TAC may be considered for review in 2020
Blue cod	BCO4	2019	●●	●●●	●●●	■	Extend potting survey time series; voluntary catch spreading initiatives and improved reporting; new National Blue Cod Strategy being implemented; TAC may be considered for review in 2020
Blue cod	BCO5	2013	●	●●●	●●●●	●●	-
Blue cod	BCO7	2018	■ ■			■ ■	New recreational rules and seasonal commercial closure introduced 2015; new National Blue Cod Strategy being implemented; TAC may be considered for review in 2020
Blue mackerel	EMA1	-					-
Blue mackerel	EMA3	-					-
Blue mackerel	EMA7	2016					-
Blue moki	MOK1, MOK3	2017	●●●			●●●	-
Blue shark*	BWS1	2014					-
Blue warehou	WAR1, WAR2, WAR3, WAR7, WAR8	-					-
Bluenose	BNS1, BNS2, BNS3, BNS7, BNS8	2016	■ ■	■	●●		TAC and TACC reductions implemented in 2008, 2011, 2012 and 2016
Butterfish	BUT2, BUT3, BUT5, BUT7	-					-
Cockle	COC1A	-					-
Cockle	COC3	2011	●●	●●●	●●●	●●●	Biomass survey for Avon-Heathcote estuary being scoped due to community concerns
Cockle	COC7A	2014	● - localised depletion in some bays	●●	●●●	●●●	-
Deepwater (King) clam	PZL7	2013	●●●	●●●	●●●	●●●	-
Dredge oyster (Foveaux Strait)	OYU5	2017	■ ■	■ ■	●●		Voluntary commercial catch reduction in place since 2005
Dredge oyster (Other)	OYS4	2013	●●●	●●●	●●●	●●●	-
Dredge oyster (Nelson/Marlborough)	OYS7	2012	■ ■	■ ■			Catch has been minimal since 2008
Dredge oyster (Other)	OYS7C	-					-
Elephant fish	ELE2	-					-
Elephant fish	ELE3	2016	●	●●	●●●	■	May be considered for review in 2020
Elephant fish	ELE5	2017	●	●●	●●●	■	-
Elephant fish	ELE7	2019	●	●●	●●●	■	TAC set in 2019
Flatfish	FLA1	2018					-
Flatfish	FLA1 (YBF)	2018					-
Flatfish	FLA2	2018	●	●●	●●●	●●●	-
Flatfish	FLA3	2019	●●			●●	-
Flatfish	FLA3 (ESO)	2015	■ ■	■	●●	■ ■	Annual in-season review
Flatfish	FLA3 (LSO)	2015	●	●●	●●●	■ ■	Annual in-season review
Flatfish	FLA3 (SFL)	2015	●●●	●●●	●●●	■	Annual in-season review
Flatfish	FLA7	-					-
Freshwater eels	SFE11, SFE12, SFE14, LFE11, LFE12, LFE14	-					ANG stocks separated to LFE and SFE and settings of TACs and TACCs reviewed in 2016
Freshwater eels	SFE13, Te Waihora (AS1)	2014	●●●	●●●	●●●	●●●	-

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Freshwater eels	SFE15, Otago (AV)	2014	■ ■	■	● ●		ANG stocks separated to LFE and SFE and settings of TACs and TACCs reviewed in 2016
Freshwater eels	LFE15: Otago (AV); SFE15, LFE15: Southland (AW)	2014		● ●	● ● ●		
Freshwater eels	SFE16, LFE16: Westland (AX)	2014		● ●	● ● ●		
Freshwater eels	SFE17, LFE17: Chatham Island	-					
Freshwater eels	SFE20: Northland (AA), Auckland (AB)	2017					
Freshwater eels	LFE20: Northland (AA), Auckland (AB)	2017	● ●	● ● ●	● ● ●	● ●	TAC and TACC reduced substantially in 2007 and 2018
Freshwater eels	SFE21: Hauraki (AC), Waikato (AD), Bay of Plenty (AE)	2017					
Freshwater eels	LFE21: Hauraki (AC), Waikato (AD), Bay of Plenty (AE)	2017	● ●	● ● ●	● ● ●	● ●	TAC and TACC reduced substantially in 2007 and 2018
Freshwater eels	SFE22: Hawkes Bay (AG), Manawatu (AK), Wairarapa (AL)	2017					
Freshwater eels	LFE22: Hawkes Bay (AG), Manawatu (AK), Wairarapa (AL)	2017	● ●	● ● ●	● ● ●	● ●	TAC and TACC reduced substantially in 2007 and 2018
Freshwater eels	SFE23: Rangitikei-Wanganui (AH), Taranaki (AJ)	2017					
Freshwater eels	LFE23: Taranaki (AJ)	2017	● ●	● ● ●	● ● ●	● ●	TAC and TACC reduced substantially in 2007 and 2018
Frostfish	FRO1, FRO2	-					-
Frostfish	FRO3, FRO4, FRO7, FRO8, FRO9	-					-
Garfish	GAR1	-			● ●		-
Gemfish	SKI1, SKI2	2014		● ●	● ●		-
Gemfish	SKI3, SKI7	2019			● ●	● ●	-
Ghost shark - dark	GSH1, GSH2, GSH7, GSH8	-					-
Ghost shark - dark	GSH3	-					-
Ghost shark - dark	GSH4, GSH5, GSH6	-					-
Ghost shark - pale	GSP1, GSP5	2011		● ●	● ● ●		-
Ghost shark - pale	GSP7	-					-
Giant Spider Crab	GSC3, GSC5, GSC6A	-					-
Green-lipped mussel	GLM1, GLM7A, GLM9	-					-
Grey mullet	GMU1	-					-
Groper	HPB1, HPB2, HPB3, HPB4, HPB5, HPB7, HPB8	-					-
Hake	HAK1 (excl. Chatham rise)	2018	● ●	● ● ● ●	● ● ● ●	● ● ● ●	-
Hake	HAK4 (& west Chatham rise HAK1)	2017	● ●	● ● ● ●	● ● ● ●	● ● ● ●	-
Hake	HAK7 (WCSI)	2019	■ ■ ■ ■	■	● ● ●	■ ■	TACC reduced by 55% in 2019
Hammerhead sharks (smooth)	HHS1	-					-
Hoki	HOK1 East	2019	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●	Hoki TACC reduced by 35,000 t in 2019. Reduction taken entirely from the western stock, amounting to a 40% reduction for that stock.
Hoki	HOK1 West	2019	●	● ●	● ● ●	● ●	
Jack mackerel	JMA1	-					-
Jack mackerel	JMA3	-					TAC reduction in 2016
Jack mackerel	JMA7 (JMD, JMN)	-					-
John dory	JDO1 (HG & EN)	2018	■ ■ ■	● ●	● ● ●	● ●	TACC reduced in 2018
John dory	JDO1 (BP)	2018	■ ■	● ● ●	● ● ●	■ ■	TACC reduced in 2018
John dory	JDO1 (WCNI)	2018	■ ■	● ●	● ● ●	■	TACC reduced in 2018
John dory	JDO2	2013	■ ■	■	● ●		Characterisation and CPUE analysis currently being considered
John dory	JDO7	2018	● ● ●	● ● ●	● ● ●	● ● ●	-
Kahawai	KAH1	2015	● ● ●	● ● ●	● ● ● ●	● ● ●	-
Kahawai	KAH2, KAH3, KAH8	-					-
Kina	SUR1A, SUR1B, SUR2A, SUR2B, SUR3, SUR4, SUR5, SUR7A, SUR7B, SUR8, SUR9	-					-
King Crab	KIC2	-					-
Kingfish	KIN1 BP inshore & offshore	2016	● ●			● ●	-
Kingfish	KIN1 EN & HG inshore	2016	■ ■			■ ■	Under consideration for the 2020 sustainability round
Kingfish	KIN1 EN & HG offshore	2016	● ●			● ●	-
Kingfish	KIN2, KIN7, KIN8	-					-
Knobbed Whelk	KWH7A	-					-
Leatherjacket	LEA1, LEA2	-					-
Leatherjacket	LEA3 (ECIS)	2013			● ●		-
Ling	LIN1	2013					-

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Ling	LIN2	2014		● ●	● ● ●		-
Ling	LIN2&7 (Cook Strait)	2010	● ●	● ● ● ●	● ● ● ●	● ● ●	-
Ling	LIN3, LIN4 (Chatham Rise)	2019	● ● ●	● ● ● ●	● ● ● ●	● ● ●	-
Ling	LIN5, LIN6 (Sub-Antarctic)	2018	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●	-
Ling	LIN6B (Bounty Plateau)	-					-
Ling	LIN7WC (WCSI)	2017	● ● ●	● ● ● ●	● ● ● ●	● ● ●	-
Lookdown dory	LDO1, LDO3	2013			● ●		-
Mako shark*	MAK1	2014					TAC reduced in 2012
Moonfish*	MOO1	-					-
Orange roughy	ORH1 Northern North Island	-					-
Orange roughy	ORH1 Mercury-Colville	-					Restricted to bycatch limit of 30 t in 2001
Orange roughy	ORH2A north - East Cape	2003	■ ■	● ●	● ● ●		Catch level reduced in 2000
Orange roughy	ORH2A south, ORH2B, ORH3A - Mid East Coast	2014	■ ■ ■	■ ■	● ●	■	TACC reduction implemented in 2014
Orange roughy	ORH3B Northwest Chatham Rise	2018	● ● ●	● ● ● ●	● ● ● ●	● ● ● ●	-
Orange roughy	ORH3B East and South Chatham Rise	2018	● ●	● ● ●	● ● ● ●	● ● ● ●	-
Orange roughy	ORH3B Puysegur	2017	● ● ●	● ● ● ●	● ● ● ●	● ● ● ●	-
Orange roughy	ORH3B Other	-					-
Orange roughy	ORH7A Challenger Plateau	2019	● ● ●	● ● ● ●	● ● ● ●	● ● ●	-
Orange roughy	ORH7B West Coast South Island	2004	■ ■ ■	■ ■	■	● ● ● - closed	Effectively closed from 1 Oct 2007
Oreos	OEO 1/OEO3A Southland Smooth Oreo	2007	■ ■	● ●	● ● ●	■ ■	TAC and TACC for OEO1 reduced in 2007
Oreos	OEO3A Black	2013					-
Oreos	OEO3A Smooth	2009	●	● ●	● ● ●	● ●	-
Oreos	OEO4 Black	2009					-
Oreos	OEO4 Smooth	2018	●	● ● ●	● ● ● ●	● ●	-
Oreos	OEO6 - Pukaki black oreo	2013					-
Oreos	OEO6 - Pukaki smooth oreo	2013					-
Oreos	OEO6 - Bounty Plateau smooth oreo	2008	■ ■	● ●	● ● ●		Voluntary agreement not to fish from 2012-2013 to 2017-2018, with some investigative trips in the latter 2 years
Pacific bluefin tuna*	TOR1	2018	■ ■ ■	■ ■ ■	■ ■ ■	■ ■ ■	WCPFC conservation and management measure adopted at WCPFC16 (CMM2019-02)
Paddle crab	PAD1, PAD2, PAD3, PAD7, PAD8	-					-
Parore	PAR1, PAR9	-					-
Patagonian toothfish	PTO1	-					-
Paua	PAU2	2014		● ●	● ●		-
Paua	PAU3	2014	● ● ●	● ● ●	● ● ●	● ● ●	-
Paua	PAU4	-					Voluntary commercial catch reduction in place since 2010-11
Paua	PAU5A - northern	2014	● ●	● ● ●	● ● ●	● ● ●	-
Paua	PAU5A - southern	2014	●	● ● ●	● ● ●	● ●	Voluntary commercial catch reduction in place since 2006-07
Paua	PAU5B	2018	● ●	● ● ●	● ● ●	● ● ●	-
Paua	PAU5D	2019	●	● ● ●	● ● ●	■	TAC reduced in 2003. Voluntary commercial catch reduction implemented in 2014-15.
Paua	PAU7	2015	■ ■ ■	■	● ●	■ ■ ■	TACC reduced by 50% in 2016
Pilchard	PIL1, PIL7, PIL8	-			● ●	● ●	-
Pipi	PPI1A - Mair Bank, Whangarei harbour	2015	■ ■ ■	■ ■ ■	■ ■ ■	● ● ● - closed	Area closure for both commercial and recreational harvest implemented in 2014
Pipi	PPI1B, PPI1C, PPI3	-					-
Porae	POR1	-					-
Porbeagle shark*	POS1	2017				● ● ● ●	TAC reduced in 2012
Prawn Killer	PRK1	-					-
Queen scallops	QSC3	-					-
Ray's bream*	RBM1	-					-
Redbait	RBT3, RBT7	-					-
Red cod	RCO1	-					-
Red cod	RCO2	2018	●			■	-
Red cod	RCO3	2018	● ●			● ●	-
Red cod	RCO7	2015			● ●		-
Red gurnard	GUR1W	2017	● ● ●	● ● ●	● ● ●	● ● ●	-
Red gurnard	GUR1E, GUR1BoP	2017	●	● ●	● ● ●	● ●	-

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Red gurnard	GUR2	2019	●	●●●	●●●	■	-
Red gurnard	GUR3	2015	●●	●●●	●●●	■	Ongoing rapid CPUE monitoring; expanded ECSI trawl survey; TAC may be reviewed in 2020
Red gurnard	GUR7	2018	●●●	●●●	●●●	●●	-
Red gurnard	GUR8	-					-
Red snapper	RSN1, RSN2	-					-
Ribaldo	RIB1, RIB2	-					-
Ribaldo	RIB3, RIB4, RIB5, RIB6	2014		●●	●●		-
Ribaldo	RIB7	-					-
Rig	SPO1, SPO8	2019					-
Rig	SPO2	2019	●●	●●	●●●	●●	-
Rig	SPO3	2019	●	●●●	●●●	■	-
Rig	SPO7	2019	●●	●●●	●●●	●●	-
Rock lobster	CRA1 Northland	2019	■●	●●●	●●●	■	TAC reduction currently being considered
Rock lobster	CRA2 Bay of Plenty	2017	■■■■	■■	●●●	■■■■	Significant TACC and recreational allowance reductions in 2018. Further recreational measures currently being considered.
Rock lobster	CRA3 Gisborne	2019	●	●●●●	●●●●	■	-
Rock lobster	CRA4 Hawke's Bay-Wairarapa	2019	●	●●●●	●●●●	■■	TAC reduced in 2017
Rock lobster	CRA5 Marlborough-Canterbury	2019	●●●●	●●●●	●●●●	●●●	-
Rock lobster	CRA6 Chatham Islands	2018	■●	●●	●●●		-
Rock lobster	CRA7 Otago	2019	●●●	●●	●●	●●●	-
Rock lobster	CRA8 Southern	2019	●●●●	●●●●	●●●●	●●●	-
Rock lobster	CRA9 Westland-Taranaki	2015					-
Rock lobster	PHC1	-					-
Rubyfish	RBY1, RBY2, RBY4, RBY7	-					-
Scallop	SCA1, Northland	2017					-
Scallop	SCA7 Golden Bay	2017	■■■	■■■	■■	●●●	Closed to all fishing in 2017; biomass survey planned for 2020 to assess recovery
Scallop	SCA7 Tasman Bay	2017	■■■	■■■	■■	●●●	Closed to all fishing in 2017; biomass survey planned for 2020 to assess recovery
Scallop	SCA7 Marlborough Sounds	2019	●●●			●●●	Closed to all fishing in 2017; biomass survey planned for 2020 to assess recovery; research targeting habitat restoration
Scallop (Coromandel)	SCACS, Coromandel	2017					-
Scampi	SCI1	2016	●●●	●●●●	●●●●	●●●	-
Scampi	SCI2	2016	●●●	●●●●	●●●●	●●●●	-
Scampi	SCI3	2018	●●●	●●●	●●●	●●●	-
Scampi	SCI4A	-					-
Scampi	SCI6A	2017	●●●	●●●●	●●●●	●●●●	-
School shark	SCHN/1E, SCH7, SCH8, SCH1W	2018	●	●●	●●●	■	-
School shark	SCH2/3N, SCH4	2018					-
School shark	SCH3S/5	2018	■■	●●	●●●	■■	-
Sea Cucumber	SCC1B, SCC3, SCC7A, SCC7B	-					-
Sea Cucumber	SCC5A	-					-
Sea perch	SPE1, SPE2	-					-
Sea perch	SPE3, SPE4, SPE5, SPE6, SPE7	-					-
Silver warehou	SWA1, SWA3, SWA4	-					-
Skate - rough	RSK1, RSK3, RSK7, RSK8	2007					-
Skate - smooth	SSK1, SSK3, SSK7, SSK8	2007					-
Skipjack tuna* (not in QMS)	SKJ1	2019	●●●	●●●●	●●●●	●●●●	-
Snapper	SNA1 - East Northland	2013	■■■	■	●●●	■■	Comprehensive monitoring and management measures implemented in 2013; recreational bag limit reduced and minimum legal size increased
Snapper	SNA1 - Hauraki Gulf/BoP	2013	■■■	■	●●●	■■	
Snapper	SNA2N, SNA2S	2018					-
Snapper	SNA7	2018	●	●●	●●●	●●●	-
Snapper	SNA8	2017		●●	●●●		-
Southern blue whiting	SBW6A	-					-
Southern blue whiting	SBW6B	2018	●●			●●	-
Southern blue whiting	SBW6I	2017	●●●	●●●●	●●●●	●●●	-
Southern blue whiting	SBW6R	-					-
Southern bluefin tuna*	STN1 / Southern Hemisphere Stock	2017	■■■	■■■	■	●●	Rebuilding reference points determined and management procedure adopted

STATUS OF STOCKS AS AT DECEMBER 2019 OR 'LAST ASSESSMENT DATE'

The table below provides a summary of the status of all important Quota Management System (QMS) and non-QMS stocks: 388 fish stocks or sub-stocks, comprising 383 QMS stocks or sub-stocks and 5 non-QMS species, the latter of which are all Antarctic or Highly Migratory Species (HMS), with each being treated as a single stock in New Zealand or Antarctic waters (HMS species are denoted by * in the first column of the summary table). QMS fish stocks not included in the Status of Stocks summary are those with nominal TACs or TACCs (generally less than 10-20 t) for which a development potential has not currently been demonstrated (a total of 297 stocks). These are nominal stocks.

PERFORMANCE MEASURES	
At or above target levels?:	The level we want a fish stock to fluctuate around for the best balance between use and sustainability, while allowing for environmental variation.
Below the soft limit?:	Below this level, a fish stock is considered to be overfished or depleted and needs to be actively rebuilt, for example by reducing the total allowable catch.
Below the hard limit?:	Below this level, a fish stock is considered to have collapsed and fisheries may need to be closed to rebuild at the fastest possible rate.
Overfishing?:	A threshold fishing pressure that shouldn't be exceeded as it will ultimately lead to stocks falling below other performance measures.

Green circles indicate a favourable status

Orange squares indicate an unfavourable status

Number of circles or squares indicates the degree to which stock status is favourable or unfavourable

Green shading indicates stocks that have not been formally assessed, but have been lightly fished and are known to have development potential due to previous abundance surveys indicating an appreciable biomass.

Species name	Plenary stock	Last assessment date	At or above target levels?	Below the soft limit?	Below the hard limit?	Overfishing?	Corrective management action
Spiny dogfish	SPD1, SPD3, SPD7, SPD8	-					-
Spiny dogfish	SPD4, SPD5	-					-
Stargazer	STA1, STA2	-					-
Stargazer	STA3	2019	●	●●●	●●●	●●	
Stargazer	STA4	2011	●●	●●	●●	●●	-
Stargazer	STA5	2017	●	●●	●●●	■	-
Stargazer	STA7	2018	●	●●●	●●●	■	-
Striped marlin* (not in QMS)	STM1	2019	■ ■	■	●●	■	Commercial fishers have been prohibited from retaining marlin species since 1988
SURF CLAMS							
Deepwater Tuatua	PDO2	2008	●●●	●●●	●●●	●●●	-
Deepwater Tuatua	PDO3	-					-
Deepwater Tuatua	PDO7	2015	●●●	●●●	●●●	●●●	-
Deepwater Tuatua	PDO8	2012	●●●	●●●	●●●	●●●	-
Friiled venus shell	BYA7	2015	●●●	●●●	●●●	●●●	-
Large Trough Shell	MMI3	-					-
Large Trough Shell	MMI7	2015	●●●	●●●	●●●	●●●	-
Large Trough Shell	MMI8	2012	●●●	●●●	●●●	●●●	-
Ringed Dosinia	DAN2, DAN3	2008	●●●	●●●	●●●	●●●	-
Ringed Dosinia	DAN7	2015	●●●	●●●	●●●	●●●	-
Ringed Dosinia	DAN8	2012	●●●	●●●	●●●	●●●	-
Triangle Shell	SAE2, SAE3	2008	●●●	●●●	●●●	●●●	-
Triangle Shell	SAE7	2015	●●●	●●	●●	●●	-
Triangle Shell	SAE8	2012	●●●	●●●	●●●	●●●	-
Trough Shell	MDI2	2008	●●●	●●●	●●●	●●●	-
Trough Shell	MDI7	2015	●●●	●●●	●●●	●●●	-
Trough Shell	MDI8	-					-
Swordfish*	SWO1	2017	●●●	●●	●●●	●●	
Tarakihi	TAR1E, TAR2&TAR7 (east CS), TAR3	2018	■ ■ ■ ■	■ ■ ■	●●●	■ ■ ■ ■	TAC reduced in 2018 and again in 2019
Tarakihi	TAR1W	2017					-
Tarakihi	TAR4	-					-
Tarakihi	TAR5, TAR8	-					-
Tarakihi	TAR7	2018	●●	●●●	●●●		-
Toothfish* (not in QMS)	ATOET Ross Sea	2017	●●●●	●●●●	●●●●	●●●	-
Toothfish* (not in QMS)	ATOET CCAMLR Area 88.2E	2014					-
Trevally	TRE1, TRE2	-					-
Trevally	TRE7	2015	●●●	●●●	●●●●	●●●	-
Trumpeter	TRU2, TRU3, TRU4, TRU5	-					-
Tuatua	TUA9	-					-
White warehou	WWA3, WWA4, WWA5B, WWA7	-					-
Yellow-eyed mullet	YEM1, YEM9	-					-
Yellowfin tuna*	Western & Central Pacific Ocean YFN1	2017	●	●●●	●●●●	●●	-

TOTALS 2019

Green	113	131	162	102
Orange	40	29	9	39
Total known	153	160	171	141
Total unknown	235	228	217	247
Green/total known	73.9%	81.9%	94.7%	72.3%
Orange/total known	26.1%	18.1%	5.3%	27.7%
Known/total	39.4%	41.2%	44.1%	36.3%

*297 stocks removed from this as Nominal stocks (historical catches less than about 10 t, or other indications of no demonstrated development potential)

Further explanations

Species name: These are the names in common usage for each species throughout New Zealand. The corresponding Māori and scientific names can be found in the Plenary reports.

Plenary stocks: Plenary stocks are those for which biology, fisheries, stock assessment and stock status information has been included in either the main (May) Plenary Report, or the mid-year (November) Plenary Report. Plenary stock codes are the standard 3-letter species codes used by the Ministry, but with a Quota Management Area (QMA) area designation added. QMA numbers differ somewhat for each species; these are shown on the first page of each Plenary chapter. In some cases the assessment unit is smaller than the QMA; thus the number of units for which stock status is assessed does not correspond exactly to QMA stocks.

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Green shading

indicates stocks that have not been formally assessed, but have been lightly fished and are known to have development potential due to previous abundance surveys indicating an appreciable biomass.

Species name	Plenary stock	Last assessment date	At or above target levels?	Below the soft limit?	Below the hard limit?	Overfishing?	Corrective management action
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Last assessment date: This is the date of the most recent quantitative stock assessment or evaluation.

At or above target levels? The "at or above target levels" indicator describes the present status of the stock relative to its target (usually B_{MSY} , the average biomass associated with a maximum sustainable yield (MSY) strategy, or F_{MSY} , the associated fishing mortality, or appropriate surrogates or proxies for these metrics, or alternative reference points that will result in high average biomass).

Below the soft limit? Below the hard limit? Overfishing? In 2017, for the ninth consecutive year, three additional indicators of stock and fisheries status have been analysed. The three new indicators are defined in the Harvest Strategy Standard for New Zealand Fisheries approved by the Minister of Fisheries on 24 October 2008.

In April 2009, the Ministry's Stock Assessment Methods Working Group adopted a probabilistic scale for categorising the "At or above target levels", "below the soft limit", "below the hard limit" and "overfishing" indicators (based on the scale developed by the Intergovernmental Panel on Climate Change (IPCC) in 2007). While these probability categories may be based on models give appropriate quantitative outputs, they can also be used qualitatively, based on expert opinion, when such model outputs are not available, or are uncertain.

Whether or not a stock is likely to be at or above the target level, or to be below the soft or hard limits, or subject to overfishing, is based on the most recent stock assessment summarised in the Ministry's Fisheries Assessment Plenary Reports.

Corrective management action: This column describes corrective management action underway for those stocks believed to be below the target level, or the soft or hard limits, or subject to overfishing.

Sources of information

This information is sourced from the Ministry's Fisheries Assessment Plenary annual reports. It is only intended to be a general summary and is not intended to take the place of the Plenary reports.

May 2018 Fisheries Assessment Plenary - Vol 1: <https://www.mpi.govt.nz/dmsdocument/18331/send>

May 2018 Fisheries Assessment Plenary - Vol 2: <https://www.mpi.govt.nz/dmsdocument/18334/send>

May 2018 Fisheries Assessment Plenary - Vol 3: <https://www.mpi.govt.nz/dmsdocument/18337/send>

November 2018 Fisheries Assessment Plenary: <https://www.fisheries.govt.nz/dmsdocument/32410/send>