

Common name	Scientific name	Area name	Management authority	taxGroup	LME	MSE / OMP built?	MSE built citation	MSE operational in management?	Operational in management citation
Argentine anchoita	Engraulis anchoita	Northern Argentina	Consejo Federal Pesquero, Argentina national management	forage fish		14 No	NA	No	NA
Argentine anchoita	Engraulis anchoita	Southern Argentina	Consejo Federal Pesquero, Argentina national management	forage fish		14 No	NA	No	NA
Argentine chub mackerel	Scomber colias	Southern Argentina	Consejo Federal Pesquero, Argentina national management	carangids-mackerels		14 No	NA	No	NA
Sardine	Sardinops sagax	Western half of Southeast Australia	South Australian Research and Development Institute	forage fish		43 No	NA	No	de Moor et al. (2011)
Capelin	Mallotus villosus	Gulf of St. Lawrence	Department of Fisheries and Oceans, Canada national management	forage fish		9 unknown	NA	No	NA
Eulachon	Thaleichthys pacificus	Pacific Coast of Canada Central Coast Designatable Unit	Department of Fisheries and Oceans, Canada national management	forage fish		2 unknown	NA	No	NA
Eulachon	Thaleichthys pacificus	Pacific Coast of Canada Fraser River Designatable Unit	Department of Fisheries and Oceans, Canada national management	forage fish		2 unknown	NA	No	NA
Eulachon	Thaleichthys pacificus	Pacific Coast of Canada Nass / Skeena Designatable Unit	Department of Fisheries and Oceans, Canada national management	forage fish		2 unknown	NA	No	NA
Herring	Clupea harengus	NAFO division 4R (Fall spawners)	Department of Fisheries and Oceans, Canada national management	forage fish		9 unknown	NA	No	NA
Herring	Clupea harengus	NAFO division 4R (Spring spawners)	Department of Fisheries and Oceans, Canada national management	forage fish		9 unknown	NA	No	NA
Herring	Clupea harengus	Newfoundland East and South Coast	Department of Fisheries and Oceans, Canada national management	forage fish		9 unknown	NA	No	NA
Herring	Clupea harengus	Quebec North Shore	Department of Fisheries and Oceans, Canada national management	forage fish		18 unknown	NA	No	NA
Herring	Clupea harengus	Scotian Shelf and Bay of Fundy	Department of Fisheries and Oceans, Canada national management	forage fish		8 unknown	NA	No	NA
Herring	Clupea harengus	Southern Gulf of St. Lawrence (Fall spawners)	Department of Fisheries and Oceans, Canada national management	forage fish		9 unknown	NA	No	NA
Herring	Clupea harengus	Southern Gulf of St. Lawrence (Spring spawners)	Department of Fisheries and Oceans, Canada national management	forage fish		9 unknown	NA	No	NA
Mackerel	Scomber scombrus	Northwest Atlantic (NAFO Subareas 3 and 4)	Department of Fisheries and Oceans, Canada national management	carangids-mackerels		9 unknown	NA	No	NA
Pacific herring	Clupea pallasii	Central Coast Prince Rupert District	Department of Fisheries and Oceans, Canada national management	forage fish		2 unknown	NA	No	NA
Pacific herring	Clupea pallasii	Queen Charlotte Islands	Department of Fisheries and Oceans, Canada national management	forage fish		2 unknown	NA	No	NA
Pacific herring	Clupea pallasii	Strait of Georgia	Department of Fisheries and Oceans, Canada national management	forage fish		2 Yes	Cleary, J.S., Cox, S.P., Schweigert, J.F., 2010. Performance evaluation of harvest control rules for Pacific herring management in British Columbia, Canada. <i>ICES Journal of Marine Science</i> 67, 2005–2011. <a href="https://doi.org/10.1093/icesjms/fsq129">https://doi.org/10.1093/icesjms/fsq129</a>	Not sure	NA
Pacific herring	Clupea pallasii	West Coast of Vancouver Island	Department of Fisheries and Oceans, Canada national management	forage fish		2 Yes	Cleary, J.S., Cox, S.P., Schweigert, J.F., 2010. Performance evaluation of harvest control rules for Pacific herring management in British Columbia, Canada. <i>ICES Journal of Marine Science</i> 67, 2005–2011. <a href="https://doi.org/10.1093/icesjms/fsq129">https://doi.org/10.1093/icesjms/fsq129</a>	Not sure	NA
Pacific sardine	Sardinops sagax	Pacific Coast of Canada	Department of Fisheries and Oceans, Canada national management	forage fish		2 unknown	NA	No	NA
Chilean jack mackerel	Trachurus murphyi	Chilean EEZ and offshore	South Pacific Regional Fisheries Management Organization	carangids-mackerels		13 unknown	NA	No	NA
Chilean sardine	Strangomera bentincki	Central-Southern Chile	Subsecretaria de Pesca	forage fish		13 Yes	Canales et al. (2020)	In progress	NA
Peruvian anchoveta	Engraulis ringens	Central-Southern Chile	Subsecretaria de Pesca	forage fish		13 Yes	Canales et al. (2020)	In progress	NA
Peruvian anchoveta	Engraulis ringens	Northern Chile Southern Peru	Subsecretaria de Pesca	forage fish		13 unknown	NA	No	NA
Southern sardine	Sprattus fuegensis	Central-Southern Chile	Subsecretaria de Pesca	forage fish		13 unknown	NA	No	NA
Herring	<i>Clupea pallasii</i>	Yellow Sea (Chinese fishery)				48 No	NA	No	NA
Sand eel	Ammodytes spp	Sandeel Area 1	International Council for the Exploration of the Sea	forage fish		22 unknown	NA	No	NA
Sand eel	Ammodytes spp	Sandeel Area 2	International Council for the Exploration of the Sea	forage fish		22 unknown	NA	No	NA
Sand eel	Ammodytes spp	Sandeel Area 3	International Council for the Exploration of the Sea	forage fish		22 unknown	NA	No	NA
Sand eel	Ammodytes spp	Sandeel Area 4	International Council for the Exploration of the Sea	forage fish		22 unknown	NA	No	NA
Sand eel	Ammodytes spp	Sandeel Area 6	International Council for the Exploration of the Sea	forage fish		22 unknown	NA	No	NA
Sprat	Sprattus sprattus	ICES 6-7abcfghijk	International Council for the Exploration of the Sea	forage fish		24 unknown	NA	No	NA
Sprat	Sprattus sprattus	Kattegat and Skagerrak	International Council for the Exploration of the Sea	forage fish		22 Yes	<a href="https://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/acom/2018/WKspratMSE/WKspratMSE%20Report%202018.pdf">https://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/acom/2018/WKspratMSE/WKspratMSE%20Report%202018.pdf</a>	No	NA
Sprat	Sprattus sprattus	North Sea	International Council for the Exploration of the Sea	forage fish		22 Yes	<a href="https://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/acom/2018/WKspratMSE/WKspratMSE%20Report%202018.pdf">https://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/acom/2018/WKspratMSE/WKspratMSE%20Report%202018.pdf</a>	No	NA
Herring	Clupea harengus	Gulf of Riga East of Gotland	International Council for the Exploration of the Sea	forage fish		23 No	NA	No	NA

Greater silver smelt	Argentina silus	ICES 5b-4a	International Council for the Exploration of the Sea	forage fish		21 unknown	NA	No	NA
Herring	Clupea harengus	Subdivisions 30-31	International Council for the Exploration of the Sea	forage fish		23 unknown	NA	No	NA
Anchovy	Engraulis encrasicolus	Gulf of Lions	General Fisheries Council for the Mediterranean, DG MARE, and national states	forage fish		26 unknown	NA	No	NA
Sardine	Sardina pilchardus	Gulf of Lions	General Fisheries Council for the Mediterranean, DG MARE, and national states	forage fish		26 No	NA	No	NA
Sardine	Sardina pilchardus	ICES 8abd	International Council for the Exploration of the Sea	forage fish		24 unknown	NA	No	NA
Bonga Herring	fimbriata	West Africa	Food and Agriculture Organization of the United Nations	forage fish		27 unknown	NA	No	NA
Herring	Clupea harengus	ICES 6a-7bc	International Council for the Exploration of the Sea	forage fish		60 No	NA	No	NA
Herring	Clupea harengus	Irish Sea	International Council for the Exploration of the Sea	forage fish		24 No	NA	No	NA
Herring	Clupea harengus	West of Scotland	International Council for the Exploration of the Sea	forage fish		60 unknown	NA	No	NA
Sand eel	Ammodytes spp	West of Scotland	International Council for the Exploration of the Sea	forage fish		24 unknown	NA	No	NA
Sardine	Sardina pilchardus	ICES 7	International Council for the Exploration of the Sea	forage fish		24 unknown	NA	No	NA
Sprat	Sprattus sprattus	ICES 7de	International Council for the Exploration of the Sea	forage fish		24 unknown	NA	No	NA
Anchovy	Engraulis encrasicolus	Aegean Sea	General Fisheries Council for the Mediterranean, DG MARE, and national states	forage fish		26 unknown	NA	No	NA
Anchovy	Engraulis encrasicolus	Eastern Ionian Sea	General Fisheries Council for the Mediterranean, DG MARE, and national states	forage fish		26 unknown	NA	No	NA
European pilchard	Sardina pilchardus	Aegean Sea	General Fisheries Council for the Mediterranean, DG MARE, and national states	forage fish		26 No	NA	No	NA
European pilchard	Sardina pilchardus	Eastern Ionian Sea	General Fisheries Council for the Mediterranean, DG MARE, and national states	forage fish		26 No	NA	No	NA
Capelin	Mallotus villosus	ICES 2a-5-14	International Council for the Exploration of the Sea	forage fish		22 No	NA	No	NA
Greater silver smelt	Argentina silus	ICES 5a-14	International Council for the Exploration of the Sea	forage fish		22 No	NA	No	NA
Herring	Clupea harengus	Iceland (Summer spawners)	International Council for the Exploration of the Sea	forage fish		22 Yes		Yes	Yes
Anchovy kilka	Clupeonella engrauliformis	Iranian Caspian Sea	Iranian national management	forage fish	NA	unknown	NA	No	NA
Greater silver smelt	Argentina silus	ICES 6b-7-8-9-10-12	International Council for the Exploration of the Sea	forage fish		22 No	NA	No	NA
Herring	Clupea harengus	ICES 7a-g-h-j	International Council for the Exploration of the Sea	forage fish		24 No	NA	No	NA
Anchovy	Engraulis encrasicolus	Adriatic Sea (GSA 17,18)	General Fisheries Council for the Mediterranean, DG MARE, and national states	forage fish		26 unknown	<a href="#">FAO (2019)</a>	No	NA
Anchovy	Engraulis encrasicolus	North Tyrrhenian Sea	General Fisheries Council for the Mediterranean, DG MARE, and national states	forage fish		26 unknown	NA	No	NA
Anchovy	Engraulis encrasicolus	South of Sicily	General Fisheries Council for the Mediterranean, DG MARE, and national states	forage fish		26 unknown	NA	No	NA
Anchovy	Engraulis encrasicolus	Western Ionian Sea	General Fisheries Council for the Mediterranean, DG MARE, and national states	forage fish		26 unknown	NA	No	NA
European pilchard	Sardina pilchardus	Ligurian and North Tyrrhenian Sea	General Fisheries Council for the Mediterranean, DG MARE, and national states	forage fish		26 No	NA	No	NA
Sardine	Sardina pilchardus	Adriatic Sea (GSA 17,18)	General Fisheries Council for the Mediterranean, DG MARE, and national states	forage fish		26 Yes	<a href="http://www.fao.org/efcm/technical-meetings/detail/en/cr/1198582/">http://www.fao.org/efcm/technical-meetings/detail/en/cr/1198582/</a>	No	NA
Sardine	Sardina pilchardus	South of Sicily	General Fisheries Council for the Mediterranean, DG MARE, and national states	forage fish		26 No	NA	No	NA
Amberstripe scad	Decapterus muroadsi	East China Sea	Fisheries Agency of Japan	carangids-mackerels		47 No	NA	No	NA
Chub mackerel	Scomber japonicus	Pacific Coast of Japan	Fisheries Agency of Japan	carangids-mackerels		49 No	NA	No	NA
Chub mackerel	Scomber japonicus	Tsushima Strait	Fisheries Agency of Japan	carangids-mackerels		50 No	NA	No	NA
Deep sea smelt	Glossanodon semifasciatus	Pacific Ocean	Fisheries Agency of Japan	forage fish		49 No	NA	No	NA
Deep sea smelt	Glossanodon semifasciatus	Sea of Japan	Fisheries Agency of Japan	forage fish		49 No	NA	No	NA
Japanese anchovy	Engraulis japonicus	Inland Sea of Japan	Fisheries Agency of Japan	forage fish		49 No	NA	No	NA
Japanese anchovy	Engraulis japonicus	Pacific Coast of Japan	Fisheries Agency of Japan	forage fish		49 No	NA	No	NA
Japanese anchovy	Engraulis japonicus	Tsushima Strait	Fisheries Agency of Japan	forage fish		50 No	NA	No	NA
Japanese jack mackerel	Trachurus japonicus	Pacific Coast of Japan	Fisheries Agency of Japan	carangids-mackerels		49 in progress	National Research Institute of Fisheries Science (2020) Research Institute Meeting Report on Biological Reference Points for the Pacific Population Stock of Jack Mackerel (Trachurus japonicus) in FY2020	No	NA
Japanese jack mackerel	Trachurus japonicus	Tsushima Strait	Fisheries Agency of Japan	carangids-mackerels		50 No	NA	No	NA
Japanese sardine	Sardinops melanostictus	Pacific Coast of Japan	Fisheries Agency of Japan	forage fish		49 in progress	National Research Institute of Fisheries Science (2020) Research Institute Meeting Report on Biological Reference Points for the Pacific Population Stock of Japanese Sardine (Sardinops melanostictus) in FY2020	No	NA
Japanese sardine	Sardinops melanostictus	Tsushima Strait	Fisheries Agency of Japan	forage fish		50 in progress	Seikai National Fisheries Research Institute (2020) Research Institute Meeting Report on Biological Reference Points for the Tsushima Warm Current Population Stock of Japanese Sardine (Sardinops melanostictus) in FY2020	No	NA

Pacific herring	<i>Clupea pallasii</i>	Hokkaido	Fisheries Agency of Japan	forage fish	51	No	NA	No	NA
Pacific sand lance	<i>Ammodytes hexapterus</i>	Souya Strait	Fisheries Agency of Japan	forage fish	50	No	NA	No	NA
Pacific sand lance	<i>Ammodytes personatus</i>	Ise and Mikawa Bay	Fisheries Agency of Japan	forage fish	49	No	NA	No	NA
Pacific saury	<i>Cololabis saira</i>	Northwest Pacific	Fisheries Agency of Japan	forage fish	51	No	NA	No	NA
Round herring	<i>Etrumeus teres</i>	Pacific Ocean	Fisheries Agency of Japan	forage fish	49	No	NA	No	NA
Round herring	<i>Etrumeus teres</i>	Tsushima Strait	Fisheries Agency of Japan	forage fish	50	No	NA	No	NA
Spotted mackerel	<i>Scomber australasicus</i>	East China Sea	Fisheries Agency of Japan	carangids-mackerels	47	in progress	National Research Institute of Fisheries Science (2019) Research Institute Meeting Report on Biological Reference Points for the East China Sea Population Stock of Spotted Mackerel ( <i>Scomber australasicus</i> ) in FY2019	No	NA
Spotted mackerel	<i>Scomber australasicus</i>	Pacific Coast of Japan	Fisheries Agency of Japan	carangids-mackerels	49	in progress	National Research Institute of Fisheries Science (2019) Research Institute Meeting Report on Biological Reference Points for the Pacific Population Stock of Spotted Mackerel ( <i>Scomber australasicus</i> ) in FY2019	No	NA
Anchovy	<i>Engraulis encrasicolus</i>	West Africa	Food and Agriculture Organization of the United Nations	forage fish	27	unknown		No	NA
Cunene horse mackerel	<i>Trachurus trecae</i>	West Africa	Food and Agriculture Organization of the United Nations	carangids-mackerels	27	No		No	NA
False scad	<i>Caranx rhonchus</i>	West Africa	Food and Agriculture Organization of the United Nations	carangids-mackerels	27	unknown		No	NA
Chub mackerel	<i>Scomber japonicus</i>	West Africa	Food and Agriculture Organization of the United Nations	carangids-mackerels	27	No		No	NA
Horse mackerel	<i>Trachurus trachurus</i>	West Africa	Food and Agriculture Organization of the United Nations	carangids-mackerels	27	No		No	NA
Sardine	<i>Sardina pilchardus</i>	West Africa Zone A+B	Food and Agriculture Organization of the United Nations	forage fish	27	No		No	NA
Sardine	<i>Sardina pilchardus</i>	West Africa Zone C	Food and Agriculture Organization of the United Nations	forage fish	27	No		No	NA
Anchovy	<i>Engraulis capensis</i>	Namibia		forage fish	29	No		No	NA
Round herring	<i>Etrumeus whiteheadi</i>	Namibia		forage fish	29	No		No	NA
Sardine	<i>Sardinops sagax</i>	Namibia		forage fish	29	No		No	NA
Horse mackerel	<i>Trachurus trachurus</i>	ICES 2a-4a-5b-6a-7-8	International Council for the Exploration of the Sea	carangids-mackerels	22	Yes	ICES. 2021. Workshop for the review of the assessment of a new rebuilding plan for Western Horse Mackerel (WKWHMRP). ICES Scientific Reports, 3:37. 232 pp. <a href="http://doi.org/10.17895/ices.pub.8023">http://doi.org/10.17895/ices.pub.8023</a>	No	NA
Horse mackerel	<i>Trachurus trachurus</i>	ICES 3a-4bc-7d	International Council for the Exploration of the Sea	carangids-mackerels	22	No		No	NA
Capelin	<i>Mallotus villosus</i>	Barents Sea	International Council for the Exploration of the Sea	forage fish	64	Yes	ICES 2016 ( <a href="http://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/acom/2016/WKNEAMP/02_WKNEAMP2%20Report%202016.doc.pdf">http://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/acom/2016/WKNEAMP/02_WKNEAMP2%20Report%202016.doc.pdf</a> )	Yes	The confirmation is in the latest advice sheet (Table 4) and references therein ( <a href="http://ices.dk/sites/pub/Publication%20Reports/Advice/2019/2019/Advice/2019/2019/cap.27.1-2.pdf">http://ices.dk/sites/pub/Publication%20Reports/Advice/2019/2019/Advice/2019/2019/cap.27.1-2.pdf</a> )
Greater silver smelt	<i>Argentina silus</i>	ICES 1-2-3a-4	International Council for the Exploration of the Sea	forage fish	22	unknown		No	NA
Herring	<i>Clupea harengus</i>	ICES 1-2-4a-5-14a (Norwegian Spring Spawners)	International Council for the Exploration of the Sea	forage fish	22	Yes	<a href="http://ices.dk/sites/pub/Publication%20Reports/Advice/2019/2019/her.27.1-24a514a.pdf">http://ices.dk/sites/pub/Publication%20Reports/Advice/2019/2019/her.27.1-24a514a.pdf</a>	Yes	from ICES MSE WKG 2019 ( <a href="http://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/Fisheries%20Resources%20Steering%20Group/2019/WKGMSE2/WKGMSE2%20019.pdf">http://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/Fisheries%20Resources%20Steering%20Group/2019/WKGMSE2/WKGMSE2%20019.pdf</a> )
Herring	<i>Clupea harengus</i>	ICES 3a-4-7d	International Council for the Exploration of the Sea	forage fish	22	Yes	ICES. 2019. EU and Norway request concerning the long-term management strategy of cod, saithe, and whiting, and of North Sea autumn-spawning herring. In Report of the ICES Advisory Committee, 2019. ICES Advice 2019, sr.2019.06, <a href="https://doi.org/10.17895/ices.advice.4895">https://doi.org/10.17895/ices.advice.4895</a> .	No	NA
Mackerel	<i>Scomber scombrus</i>	ICES Northeast Atlantic	International Council for the Exploration of the Sea	carangids-mackerels	22	Yes	ICES 2020. Workshop on Management Strategy Evaluation of Mackerel (WKMEAC). ICES Scientific Reports, 2:74. 175 pp. <a href="https://doi.org/10.17895/ices.pub.7445">https://doi.org/10.17895/ices.pub.7445</a>	No	NA
Sand eel	<i>Ammodytes spp</i>	Sandeel Area 5	International Council for the Exploration of the Sea	forage fish	22	unknown		No	NA
Sand eel	<i>Ammodytes spp</i>	Sandeel Area 7	International Council for the Exploration of the Sea	forage fish	22	unknown		No	NA

Peruvian anchoveta	Engraulis ringens	North-Central Peruvian coast	Instituto del Mar del Peru, Peru national management	forage fish	13 in progress	IMARPE (2019)	No	NA
Sprat	Sprattus sprattus	Baltic Areas 22-32	International Council for the Exploration of the Sea	forage fish	23 No	NA	No	NA
Blue jack mackerel	Trachurus picturatus	Azores	International Council for the Exploration of the Sea	carangids-mackerels	25 unknown	NA	No	NA
Horse mackerel	Trachurus trachurus	Portugese Waters -East	International Council for the Exploration of the Sea	carangids-mackerels	25 unknown	NA	No	NA
Sardine	Sardina pilchardus	ICES 8c-9a	International Council for the Exploration of the Sea	forage fish	26 Yes	<a href="https://www.ices.dk/sites/pub/Publication%20Reports/Advice/2019/Special_Requests/pores.2019.26.pdf">ICES (2019) Workshop on the Iberian sardine management and recovery plan (WKSARMP). ICES Scientific Reports 1, 125.   http://ices.dk/sites/pub/Publication%20Reports/Advice/2019/Special_Requests/pores.2019.26.pdf</a>	Yes	<a href="http://ices.dk/sites/pub/Publication%20Reports/Advice/2020/2020/pil.27.8c9a.pdf">http://ices.dk/sites/pub/Publication%20Reports/Advice/2020/2020/pil.27.8c9a.pdf</a>
Sardinella	Sardinella spp	West Africa	Food and Agriculture Organization of the United Nations	forage fish	27 No	NA	No	NA
Anchovy	Engraulis encrasicolus	South Africa	South African national management, Fisheries Branch of Department of Agriculture, Forestry and Fisheries	forage fish	29 Yes	de Moor and Butterworth (2016) Incorporating technological interactions in a joint management procedure for South African sardine and anchovy. Chapter 11. Edwards and Dankel (eds). Management Science in Fisheries. de Moor et al. 2011. Is the Management Procedure approach equipped to handle short-lived pelagic species with their boom and bust dynamics? The case of the South African fishery for sardine and anchovy. ICES JMS 68:2075-2085	Yes	Plagányi et al. (2007)
Horse mackerel	Trachurus capensis	South Africa South coast	South African national management, Fisheries Branch of Department of Agriculture, Forestry and Fisheries	carangids-mackerels	29 Yes	Furman, L.B. 2014. Using Management Strategy Evaluation to address problems arising as a result of competing users of the South African horse mackerel resource. MSc Thesis, University of Cape Town. viii+132pp	No	NA
Round herring	Etrumeus whiteheadi	South Africa	South African national management, Fisheries Branch of Department of Agriculture, Forestry and Fisheries	forage fish	29 No		No	No
Sardine	Sardinops sagax	South Africa	South African national management, Fisheries Branch of Department of Agriculture, Forestry and Fisheries	forage fish	29 Yes	de Moor and Butterworth (2016) Incorporating technological interactions in a joint management procedure for South African sardine and anchovy. Chapter 11. Edwards and Dankel (eds). Management Science in Fisheries. de Moor et al. 2011. Is the Management Procedure approach equipped to handle short-lived pelagic species with their boom and bust dynamics? The case of the South African fishery for sardine and anchovy. ICES JMS 68:2075-2085. De Oliveira, J., Butterworth, D.S., Roel, B.A., Cochrane, K.L., Brown, J.P., 1998. The application of a management procedure to regulate the directed and bycatch fishery of South African sardine sardinops sagax. African Journal of Marine Science 19.	Yes	NA
Anchovy	Engraulis encrasicolus	Bay of Biscay	International Council for the Exploration of the Sea	forage fish	24 Yes	Sanchez et al. (2019) Also look at Annex 9 of <a href="http://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/acom/2016/WGHANSA/01%20WGHANSA%20Report%202016.pdf">http://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/acom/2016/WGHANSA/01%20WGHANSA%20Report%202016.pdf</a>	Yes	<a href="http://ices.dk/sites/pub/Publication%20Reports/Advice/2019/2019/ane.27.8.pdf">http://ices.dk/sites/pub/Publication%20Reports/Advice/2019/2019/ane.27.8.pdf</a>
Anchovy	Engraulis encrasicolus	Northern Alboran Sea	General Fisheries Council for the Mediterranean, DG MARE, and national states	forage fish	26 unknown	NA	No	NA
Anchovy	Engraulis encrasicolus	Northern Spain	General Fisheries Council for the Mediterranean, DG MARE, and national states	forage fish	26 unknown	NA	No	NA
Anchovy	Engraulis encrasicolus	Portugese Waters -East	International Council for the Exploration of the Sea	forage fish	24 unknown	NA	No	NA
European pilchard	Sardina pilchardus	Northern Alboran Sea	General Fisheries Council for the Mediterranean, DG MARE, and national states	forage fish	26 No	NA	No	NA
European pilchard	Sardina pilchardus	Northern Spain	General Fisheries Council for the Mediterranean, DG MARE, and national states	forage fish	26 No	NA	No	NA
Herring	Clupea harengus	ICES 22-24-3a	International Council for the Exploration of the Sea	forage fish	23 unknown	NA	No	NA
Herring	Clupea harengus	Subdivisions 25-29 and 32	International Council for the Exploration of the Sea	forage fish	23 No	NA	No	NA
Anchovy	Engraulis encrasicolus	Black Sea	General Fisheries Council for the Mediterranean, DG MARE, and national states	forage fish	62 unknown	NA	No	NA

Mediterranean horse mackerel	<i>Trachurus mediterraneus</i>	Black Sea	General Fisheries Council for the Mediterranean, DG MARE, and national states	carangids-mackerels	26 unknown	NA	No	NA
Sprat	<i>Sprattus sprattus</i>	Black Sea	General Fisheries Council for the Mediterranean, DG MARE, and national states	forage fish	62 unknown	NA	No	NA
Atlantic menhaden	<i>Brevoortia tyrannus</i>	Atlantic	National Marine Fisheries Service, US national management	forage fish	7 in progress	<a href="http://www.asmf.org/uploads/file/5e4c4064411MenhadenERPAsmt_PeerReviewReports.pdf">http://www.asmf.org/uploads/file/5e4c4064411MenhadenERPAsmt_PeerReviewReports.pdf</a>	No	NA
Gulf menhaden	<i>Brevoortia patronus</i>	Gulf of Mexico Northwestern	National Marine Fisheries Service, US national management	forage fish	3 unknown	NA	No	NA
Herring	<i>Clupea harengus</i>	Atlantic Coast	National Marine Fisheries Service, US national management	forage fish	7 Yes	Deroba et al. (2018)	In progress	Goethel et al. (2018)
Pacific chub mackerel	<i>Scomber japonicus</i>	Pacific Coast	National Marine Fisheries Service, US national management	carangids-mackerels	3 No	NA	No	NA
Pacific herring	<i>Clupea pallasii</i>	Prince William Sound	State of Alaska	forage fish	1 No	NA	No	NA
Pacific herring	<i>Clupea pallasii</i>	Sitka	State of Alaska	forage fish	2 No	NA	No	NA
Pacific herring	<i>Clupea pallasii</i>	Togiak District	State of Alaska	forage fish	1 No	NA	No	NA
Pacific sardine	<i>Sardinops sagax</i>	Pacific Coast	National Marine Fisheries Service, US national management	forage fish	3 Yes	Hurtado-Ferro, F., Punt, A.E., 2014. Revised Analyses Related to Pacific Sardine Harvest Parameters. Pacific Fishery Management Council, 7700 NE Ambassador Place, Portland, OR. AND Pacific Fishery Management Council, Amendment 8 to the northern anchovy fishery management plan, 1998Portland, ORPacific Fishery Management Council <a href="http://www.pcouncil.org/coastal-pelagic-species/fishery-management-plan-and-amendments/">http://www.pcouncil.org/coastal-pelagic-species/fishery-management-plan-and-amendments/</a>	Not sure	NA
Antarctic krill	<i>Euphausia superba</i>	Antarctic			61 Yes	Plaganyi, E.E., Butterworth, D.S., 2012. The Scotia Sea krill fishery and its possible impacts on dependent predators: modeling localized depletion of prey. Ecological Applications 22, 748-761.	Not sure	NA
Atlantic herring	<i>Clupea harengus</i>	North Sea			22 Yes	<a href="http://www.ices.dk/sites/pub/Publication%20Reports/Advice/2019/SpecialRequests/eu-norway2019_06.pdf">http://www.ices.dk/sites/pub/Publication%20Reports/Advice/2019/SpecialRequests/eu-norway2019_06.pdf</a> and references therein in particular ICES 2019.	Not sure	NA
Australia sardine	<i>Sardinops sagax</i>	East			41 Yes	Giannini et al. 2010, FRDC Project 2008	Not sure	
Australian northern prawn	<i>Mixed; includes Penaeus spp., Metapenaeus spp., and Fenneropenaeus spp.</i>	Northern Australia			39 Yes	Dichmont et al. 2006	Yes	
Blue mackerel	<i>Scomber australasicus</i>	East			41 Yes	Giannini et al. 2010, FRDC Project 2008	Not sure	
Blue mackerel	<i>Scomber australasicus</i>	West			44 Yes	Giannini et al. 2010, FRDC Project 2008	Not sure	
Blue whiting	<i>Micrastesius poutassou</i>	North Sea - stock key whb.27.1-91214			22 Yes	ICES 2016 ( <a href="http://ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/acom/2016/WKBWMS/WKBWMS%20report%202016.pdf">http://ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/acom/2016/WKBWMS/WKBWMS%20report%202016.pdf</a> )	Yes	
Brazilian sardine	<i>Sardinella brasiliensis</i>	Brazilian SE Bay			16 unknown	NA	Not sure	
Herring	<i>Clupea harengus</i>	Celtic Sea herring - stock key her.27.iris			24 No	<a href="http://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/acom/2018/HAWG/01%20HAWG%20Report%202018.pdf">http://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/acom/2018/HAWG/01%20HAWG%20Report%202018.pdf</a>	No	
Jack mackerel	<i>Trachurus declivis</i>	East			41 Yes	Giannini et al. 2010, FRDC Project 2011	Not sure	
Jack mackerel	<i>Trachurus declivis</i>	West			44 Yes	Giannini et al. 2010, FRDC Project 2012	Not sure	
Northern anchovy	<i>Engraulis mordax</i>	Central subpopulation			3 unknown	NA	Not sure	
Norway pout	<i>Trisopterus esmarkii</i>	North Sea			22 Yes	<a href="http://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/acom/2018/WKNPOUT/WKNPOUT%20Report%202018.pdf">http://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/acom/2018/WKNPOUT/WKNPOUT%20Report%202018.pdf</a>	Yes	
Pacific hake	<i>Merluccius productus</i>	California current			3 Yes		Not sure	
Patagonian sprat	<i>Sprattus fuegensis</i>	Patagonia			13 No	NA	No	
Redbait	<i>Emmelichthys nitidus</i>	East			41 Yes	Giannini et al. 2010, FRDC Project 2013	Not sure	
Redbait	<i>Emmelichthys nitidus</i>	West			44 Yes	Giannini et al. 2010, FRDC Project 2014	Not sure	
Small pelagic fishery (includes spp highlighted in green below)	<i>Mixed; includes redbait Emmelichthys nitidus, blue mackerel Scomber australasicus, jack mackerel Trachurus declivis, Trachurus murphyi, Australian sardine sardinops sagax</i>	Multiple stocks; Australian Fishing Zone (AFZ); south coast of Australia and Tasmania			41 Yes	Smith et al. 2015	Not sure	
Southern horse mackerel	<i>Trachurus trachurus</i>	Atlanto-iberian - stock key hom27.9a			25 Yes	ICES 2018 ( <a href="http://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/acom/2018/AD%20DC/Ad_Hoc_Report_hom27_9a_2018.pdf">http://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/acom/2018/AD%20DC/Ad_Hoc_Report_hom27_9a_2018.pdf</a> )	Yes	