

Table 1. Consensus opinion from FWRI scientists regarding the recent condition of the fish, shellfish, or invertebrates by fisheries in Florida. Categories are defined to the lowest possible taxon using pooled MFIS trip ticket, MRIP (FCAL), and FIM data sets. The *draft* opinion about recent trends in each fishery was designated as “-” for decreasing, “0” for stable, “+”, for increasing, “ ” for insufficient data, or “n.a.” if there is not a fishery on that coast. The overall trends were based on examination of 2009_i – 2018 catch-rate information; consideration was given to regulatory impacts and movement of effort into or out of fisheries. Since this exercise was designed to notify the Florida Fish and Wildlife Conservation Commission of recent changes in Florida fisheries, the focus was on the most recent five years. Stock condition is given for those species and groups for which conclusive assessments are available. Code “A yyyy” in the comment field indicates that the species had an assessment developed in year yyyy, and “S” indicates that standardized catch rates were generated for the commercial (subscript _c), recreational (subscript _r), or fishery independent monitoring (subscript _i) data.

Species or Group	Stock Trend		Stock Condition	Comments
	Atlantic	Gulf		
FINFISH				
Amberjack	0	0	Gulf: overfished, overfishing S. Atl: not overfished, no overfishing	[A, 2016 Gulf (SEDAR 33 Update, Gr. Amberjack), 2007 South Atlantic (SEDAR 15, Gr. Amberjack), S _{cr}]. Pending assessments for South Atlantic (SEDAR 59) and Gulf of Mexico Amberjack (SEDAR 70)
Ballyhoo	0	0	FL coastwide: not overfished, no overfishing	[A, 2013 update, S _c] Atlantic commercial landings and catch rates elevated from 2015-2018
Blue Runner	0	+		[S _{cr}]
Bluefish	0	0	S. Atl.: overfished, no overfishing	[A, 2019 Atlantic, S _{cr}]
Bonfish				[S _r] Game fish (Insufficient data)
Catfish	0	0		[A, 1996, S _{cri}] Stable for gafftopsail and hardhead
Cobia	0	0	S. Atl.: not overfished, no overfishing Gulf: Status indeterminate	[A, 2013 Gulf (SEDAR 28), 2019 South Atlantic (SEDAR 58) S _{cr}]
Croaker	0		Atl.: Status indeterminate	[A, 2017 Atlantic (ASMFC), S _{cri}] Gulf uncertain. Atlantic recent removals likely sustainable
Dolphin	0	0	Atl. Status unknown	[A, 2000, S _{cr}]. Decreased comm. catch rates in Gulf 2014-2018
Drum, Black	0	0	Atlantic: not overfished, no overfishing	[A, 2015 Atlantic (ASMFC), S _{cr}]
Drum, Red	0	0	FL coastwide: not overfished, no overfishing	[A, 2017, Atlantic (ASMFC; 2015 SEDAR 44), Gulf (2016 SEDAR 49), S _{ri}]. Limited data caused removal from SEDAR 49 analysis of Gulf stock. Florida assessment pending 2020
Flounders	0	0	FL coastwide Atl: Southern Flounder: overfished, overfishing FL coastwide Gulf: Gulf Flounder: healthy S. Atl coastwide: Southern Flounder: overfished, overfishing	[A, 2019, S _{cri}] Gulf Flounder stable on West coast Florida, Southern Flounder overfished and undergoing overfishing on East coast Florida. Southern Flounder assessment for Atlantic coast [A, 2019, NCDMF, S _{cri}] in 2019, stock overfished and undergoing overfishing.
Grouper, Black	0	0	Gulf and S. Atl: Status unknown	[A, 2010, SEDAR 19, S _{cr}] 2017 SEDAR 48 halted due to data issues, particularly with landings data; historical landings confused with gag.
Grouper, Gag	0	0	Gulf: Healthy S. Atl.: overfishing, not overfished	[A, 2016 Gulf (SEDAR 33 Update), 2014 South Atlantic (SEDAR 10 Update), S _{cri}] Highly regulated. Gulf rec. minimum size limit increased in 2016

Species or Group	Stock Trend		Stock Condition	Comments
	Atlantic	Gulf		
Grouper, Red	0	0	Gulf: overfished, overfishing S. Atl.: overfished, overfishing	[A, 2019 Gulf (SEDAR 61), South Atlantic 2001, (2017, SEDAR 53) S _{cr}]. Gulf coast comm. catch rates declining from 2014-2018
Grouper, Scamp	0	0		[A, 1997 Gulf, 2001 Atlantic, S _{cr}] Pending Gulf of Mexico and Atlantic assessment in 2021 (SEDAR 68)
Grouper, Snowy	0	0	S. Atl.: Overfished, not overfishing	[A, 2013 Atlantic (SEDAR 36), Gulf (SEDAR 49), S _c]. Results from Gulf assessment not recommended for providing management advice.
Grouper, Warsaw				[S _c] Closed by FWC in 1994, sharply reduced by feds. Highly regulated Gulf fishery.
Grouper, Yellowedge		0	Gulf: not overfished, not overfishing	[A, 2011 Gulf (SEDAR 22) S _c] Regulated by federal councils. Insufficient data on Atlantic coast
Grunts	0	0	FL coastwide: unknown	[A, 2000, S _{ci}] Atlantic and Gulf coast comm. catches low in recent years
Atlantic Thread Herring		0	FL coastwide: unknown	[S _{cri}] Insufficient Atlantic comm. and rec. data
Hogfish	0	0	FLK/EFL stock: overfished, undergoing overfishing WFL shelf stock: Not overfished, no overfishing	[A, 2014, (SEDAR 37); A, 2017, (SEDAR 37 Update), S _{cr}] 3 stocks were evaluated: Florida Keys/East Florida, West Florida Shelf, and Georgia-North Carolina stock.
Crevalle Jack	0	0	FL coastwide: unknown	[S _{cr}]
Kingfish ("whiting")	0	0	FL coastwide: unknown	[S _{cri}]
Ladyfish	0	0	FL coastwide: unknown	[S _{cri}] Gulf rec. catch rates increased in 2013-2018
Mackerel, King	0	0	S. Atl. and Gulf: Not overfished, no overfishing	[A, 2013 Atlantic & Gulf (SEDAR 38), S _{cr}]
Mackerel, Spanish	0	0	S. Atl.: Not overfished, not overfishing Gulf: Status indeterminate	[A, 2012 Atlantic (SEDAR 28), A, 2013 Gulf (SEDAR 28)]
Menhaden	0	0	Atlantic: not overfished, no overfishing Gulf: not overfished, no overfishing	[A, 2019 Atlantic (SEDAR 69), 2018 Gulf (SEDAR 63), S _{cr}] Regulated by state and the ASMFC
Mojarras	0	0		[S _i]
Mullet, Striped	-	0	FL Gulf and FL Atl: Not overfished, no overfishing	[A, 2014, S _{cri}]
Mullet, White (Silver)	0	0	FL Gulf: Healthy FL Atl: undetermined status	[A, 2012 Florida Gulf and Atl. waters, S _{cri}]
Permit	0	0	FL coastwide: unknown	[A, 1996, S _{cri}] Atlantic comm. trips lowest in 2017-2018 likely due to regulatory changes.
Pinfish	0	0	FL coastwide: unknown	[S _{cri}]
Pompano	0	0	Atl: overfished, may be undergoing overfishing Gulf: not overfished, not overfishing	[A, 2009, S _{cr}]
Porgies	0	0	S. Atl.: Overfished, not overfishing (red porgy)	[A, 2012 Atlantic (SEDAR 1 update, Red Porgy)] [Gulf Sr] Red Porgy is currently being re-assessed (SEDAR 60) in 2020
Sand Perch				Insufficient data on both coasts
Sardine, Scaled				Insufficient data on both coasts. Low confidence in recreational estimates. Gulf FIM data show long term declines in baitfish abundances from 1994 to present. Gulf comm rates increased in 2017-2018
Sardine, Spanish				[S _c] Regulated by state, insufficient data on both coasts; Gulf FIM data show long term declines in baitfish abundances from 1994 to present.

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	Atlantic	Gulf		
Scad, Bigeye	0			Comm. Regulation. Insufficient data on Gulf. Gulf FIM data show long term declines in baitfish abundances from 1994 to present.
Scad, Round				Insufficient data on both coasts. Gulf FIM data show long term declines in baitfish abundances from 1994 to present.
Seatrout, Sand				Insufficient data on both coasts; identity confused. Gulf S _i young of the year decreased from 2014-2018
Seatrout, Silver				Insufficient data on both coasts; Gulf comm. catches lowest in 2016
Seatrout, Spotted	0	0	Southwest and Southeast FL: meeting management target	[A, 2018, S _{cri}] Northwest and Northeast regions not meeting management targets
Seatrout, Weakfish	0	n.a.	Atlantic: stock depleted	[A, 2019, 2016, 2009 (ASMFC), S _{cr}] FL: Hybridizes with sand seatrout.
Shad spp.	n.a.	n.a.		Commercial fishery eliminated by regulation
Shark spp.	n.a.	n.a.	Sandbar Shark: Overfished, no overfishing	[A, 2006, 2007] Regulated by NOAA and federal councils, composite of many species with differing status, trend is not informative. [A, 2017, Atlantic and Gulf Sandbar shark (SEDAR 54), S _{cr}] Pending Atlantic Blacktip Shark assessment, SEDAR 65, 2020
Shark fins	n.a.	n.a.		Regulated by NOAA and federal councils, composite of many species with differing status, trend is not informative
Sheepshead	0	0	Gulf: Healthy Atlantic: Healthy	[A, 2017 (FL), S _{cri}]
Snapper, Gray	0	0	Gulf: not overfished, undergoing overfishing	[A, 2018 Gulf (SEDAR 51), S _{cri}]
Snapper, Lane		0	Gulf: Status unknown S. Atl.: Status unknown	[A, 2016 Gulf (SEDAR 49), S _{cr}]. Data-limited assessment in terms of probabilities. Increasing rec. Gulf catch rates
Snapper, Mutton	0	0	Gulf and S. Atl.: not overfished, not overfishing	[A, 2015 Atlantic & Gulf (SEDAR 15A update), S _{cr}]
Snapper, Red	0	0	Gulf: overfished, not overfishing S. Atl.: overfished and overfishing	[A, 2018 Gulf (SEDAR 52), 2017 South Atlantic (SEDAR 41), S _{cr}] Heavily regulated by federal councils.
Snapper, Silk		0		[A, 2011 Caribbean (SEDAR 26)] Undergoing overfishing, stock biomass status unknown. Regulated by State. Insufficient data on Atl. coast.
Snapper, Vermilion	0	0	Gulf and S. Atl.: not overfished, not overfishing	[A, 2016 Gulf (SEDAR 45), 2018 South Atlantic (SEDAR 55), S _{cr}]
Snapper, Yellowtail	0	0	Gulf and S. Atl.: not overfished, not overfishing	[A, 2012 Atlantic & Gulf (SEDAR 27A), S _{cr}]. SEDAR 64 Assessment pending for 2019
Common Snook	0	0		[A, 2015, S _r] Based on 2015 assessment: Atlantic coast is below management target and above target on Gulf coast.
Spot	0	0	Atlantic: overfishing unlikely, stock status undetermined	[A, 2017 (ASMFC) 1997, S _{cri}]
Swordfish	0			Regulated by NOAA. Highly migratory
Tarpon				[S _r] Game fish; imprecise harvest estimates
Tilapia	0	0		[S _{ci}] Gulf comm rates decreased from 2015-2018
Tilefish	0	-	Gulf: not overfished, not overfishing S. Atl: not overfished, overfishing Blueline Tilefish S. Atl: unknown	[A, 2011 S. Atl (SEDAR 22 Tilefish), 2017 S. Atl (SEDAR 50 Blueline Tilefish), Gulf (SEDAR 25 Tilefish), S _{cr}]. Pending South Atlantic Tilefish assessment SEDAR 66 in 2020.

Species or Group	Stock Trend		Stock Condition	Comments
	Atlantic	Gulf		
Triggerfish	0	0	Gulf: overfished, not overfishing S. Atl: not overfished, not overfishing	[A, 2013 Gulf (SEDAR 43 Gray Triggerfish), 2014 Atl (SEDAR 41 Gray Triggerfish) S _{cr}] Pending Gulf Triggerfish assessment SEDAR 62 in 2020
Tripletail	0			[A, 1996, S _{cr}] Insufficient data on Gulf coast
Tuna, Bigeye	0			Regulated by NOAA. Insufficient data on Gulf coast.
Tuna, Blackfin	0	0		Regulated by NOAA
Tuna, Bluefin				Regulated by NOAA, insufficient data
Tuna, Skipjack				Regulated by NOAA, insufficient data
Tuna, Yellowfin	0			Regulated by NOAA.
Little Tunny	0	0		[A, 2002 Gulf, S _c] Requires comm. data evaluation
Wahoo	0	0		Regulated by NOAA. Atlantic comm. catch rates trending up recent years
SHELLFISH				
Hard clams				[S _c] Regulated by state; status for wild-caught only. Landings may include cultured clams. Insufficient data on Gulf coast
Conch				Insufficient data either coast
Crab, Blue	0	0	Gulf and S. Atlantic: not overfished, not overfishing	[A, 2012, S _{ci}] Florida Gulf and Atlantic assessment.
Crab, Stone	0	0	overfishing	[A, 2011, S _c] Florida statewide assessment.
Lobster, Spanish				Insufficient data on both coasts
Lobster, Spiny	0	0		[A, 2005, A 2019 (SEDAR 57) pending S _c] Atlantic and Gulf comm rates elevated in 2018
Octopus		0		Insufficient data on Atl. coast
Oysters	0	-		[S _c] Gulf comm. catch rates trending down in 2006-2018
Calico Scallops				[S _c] Highly variable landings, recent insufficient data
Squid		-		Highly variable
SPONGES				
Sponge		+		Insufficient data on Atlantic coast. Gulf comm rates trending up from 2011-2018
SHRIMP				
Shrimp, brown	0	0		[S _c]
Shrimp, pink	0	+		[S _c] Atlantic comm rates elevated in 2017-2018
Shrimp, rock		0		Insufficient data on Atlantic coast. Catch rates variable
Shrimp, white	0	0		[S _c]
Shrimp, bait	0	0		[S _c] Differing mix of species along coast
EXOTICS				
Lionfish				Insufficient data on either coast. Lionfish have appeared in recreational interviews since 2009.

Table 2. Species or categories that are judged to be either ‘increasing’ or ‘decreasing’ based on criteria explained in the text. Asterisks after the species or groups indicate the number of times that they were on this list within their current status category during the last ten status-and-trends-report updates (2009–2018 reports where the year is the year referred to in the report title not necessarily the year of publication).

ATLANTIC			
INCREASING		DECREASING	
<u>Species or group</u>	<u>Category</u>	<u>Species or group</u>	<u>Category</u>
None		None	
GULF			
INCREASING		DECREASING	
<u>Species or group</u>	<u>Category</u>	<u>Species or group</u>	<u>Category</u>
Blue Runner**	Finfish	Tilefishes	Finfish
Sponge (Pieces)***	Invertebrate	Oysters*****	Invertebrate
Pink Shrimp**	Food Shrimp	Squid	Invertebrate