

SEDAR Assessment History for the US Caribbean

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SEDAR 103
Data Scoping Webinar for Caribbean Application of Alternate Assessment Methods



Species assessed in Caribbean SEDARs

Common Name	Scientific Name	Recommended as useful for management	Not recommended as useful for management
Caribbean Spiny Lobster	<i>Panulirus argus</i>	SEDAR 57, SEDAR 91	SEDAR 8, SEDAR 46
Queen Triggerfish	<i>Balistes vetula</i>	SEDAR 80	SEDAR 30, SEDAR 46
Yellowtail Snapper	<i>Ocyurus chrysurus</i>	-	SEDAR 8, SEDAR 46, SEDAR 84*
Stoplight Parrotfish	<i>Sparisoma viride</i>	-	SEDAR 84*
Hogfish	<i>Lachnolaimus maximus</i>	-	SEDAR 46
Red Hind	<i>Epinephelus guttatus</i>	-	SEDAR 35
Blue Tang	<i>Acanthurus coeruleus</i>	-	SEDAR 30
Queen Snapper	<i>Etelis oculatus</i>	-	SEDAR 26
Redtail Parrotfish	<i>Sparisoma chrysopterygum</i>	-	SEDAR 26
Silk Snapper	<i>Lutjanus vivanus</i>	-	SEDAR 26
Mutton Snapper	<i>Lutjanus analis</i>	-	SEDAR 14
Queen Conch	<i>Lobatus gigas</i>	-	SEDAR 14
Yellowfin Grouper	<i>Mycteroperca venenosa</i>	-	SEDAR 14

Additional Assessments (ex.)



Stock Units Assessed	Assessment Method	Assessment Reference
US Caribbean Spiny Lobster	Yield per recruit analysis	Mateo 2004
Puerto Rico Spiny Lobster	Dynamic production model	Mateo and Die 2004
US Caribbean Spiny Lobster	Examining landings and length frequency	Bolden 2001
St. Croix Spiny Lobster	Production model (Schaefer and Fox)	Mateo and Tobias 2000
Puerto Rico Spiny Lobster	Examining CPUE and length frequency	Matos-Caraballo 1999
US Caribbean Spiny Lobster	Examining landings and CPUE	Bohnsack et al., 1990

Number of Species assessed at a time

SEDARs #	SAR Year	Caribbean SEDARs (10)	# of Species	# of Stocks
SEDAR 8	2005	Caribbean Yellowtail Snapper, Caribbean and Southeast US Spiny Lobster	2	3
SEDAR 14	2007	Caribbean Yellowfin Grouper, Mutton Snapper, and Queen Conch	3	9
SEDAR 26	2011	Caribbean Queen Snapper, Silk Snapper, and Redtail Parrotfish	3	9
SEDAR 30	2013	US Caribbean Blue Tang and Queen Triggerfish	2	6
SEDAR 35	2014	Caribbean Red Hind	1	3
SEDAR 46	2016	US Caribbean Data-Limited Species	6	6
SEDAR 57	2019	US Caribbean Spiny Lobster	1	3
SEDAR 80	2022	Caribbean Queen Triggerfish	1	3
SEDAR 84	2025	Caribbean Yellowtail Snapper and Stoplight Parrotfish	2	3
SEDAR 91	2025	US Caribbean Spiny Lobster	1	3

Methods

SEDARs #	Term. Year	SEDAR DW Year	SAR Year	Methods
SEDAR 8	2002	2004	2005	Non-equilibrium production models (ASPIC)
SEDAR 14	2005	2007	2007	CPUE Models, Length Based Mortality Estimator, Habitat Model
SEDAR 26	2009	2011	2011	Length Based Mortality Estimator
SEDAR 30	2011	2012	2013	Length Based Mortality Estimator
SEDAR 35	2012	2014	2014	Gedamke-Hoenig Length-Based Estimator, Yield per recruit analysis
SEDAR 46	2014	2015	2016	Data-Limited Methods Toolkit (DLMtool)
SEDAR 57	2016	2018	2019	Stock Synthesis
SEDAR 80	2019	2022	2022	Stock Synthesis
SEDAR 84	2022	2024	2025	Stock Synthesis
SEDAR 91	2023	2024	2025	Stock Synthesis

Procedural Workshops (PW)

PW 01	Indices Development and Evaluation	2008 in Miami, FL
PW 02	Evaluating and Modeling Catchability	2009 in Atlanta, GA
PW 03	Caribbean Data Review	2009 in San Juan, Puerto Rico
PW 04	Evaluating Assessment Uncertainty	2010 in Charlotte, NC
PW 05	Episodic Events	2012 in New Orleans, LA
PW 06	South Atlantic Shrimp Data Evaluation	2014 in North Charleston, SC
PW 07	SEDAR Data Best Practices	2015 in Atlanta, GA
PW 08	Fishery Independent Index Development Under Changing Survey Design	2022 in Tampa, Florida