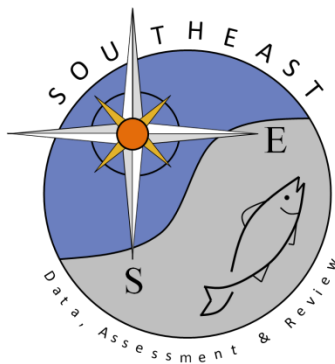


U.S. Caribbean Commercial Landings Logbook of Puerto Rico, St. Thomas and St. John, and St. Croix

Stephanie Martínez Rivera¹

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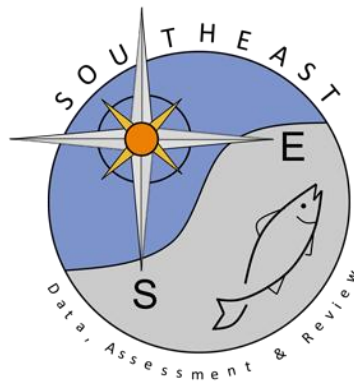
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U.S. Caribbean Commercial Landings Logbook of Puerto Rico, St. Thomas and St. John, and St. Croix

Stephanie Martínez Rivera¹

August 3, 2026



SEDAR 103: US Caribbean Application of Alternate Assessment Methods

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U.S. Caribbean Commercial Landings Logbooks

Catch and effort data from commercial fisheries in Puerto Rico (PR) were obtained from self-reported logbook data that fishers mail or deliver monthly to the Puerto Rico Department of Natural and Environmental Resources (PR DRNA). The commercial fisheries operating in Puerto Rico are monitored by the PR DRNA in collaboration with the NOAA Fisheries Southeast Fisheries Science Center through the U.S. Caribbean Commercial Landings Program (CCL). Commercial landings were reported by species, fishing gear, and fishing center where the catch was landed. Puerto Rico commercial landings have been incompletely reported throughout the available time series (Caribbean Fisheries Data Evaluation Final Report, 2009), and correction factors have been used to estimate total landings. Only in Puerto Rico, reported pounds are adjusted using correction factors to account for incomplete reporting by commercial fishers. These factors are calculated as the ratio of observed landings to CCL-reported landings for a specific location and date. This ratio is then applied to the CCL data to estimate total landings, detailed in Martínez Rivera et al. (2024). The option for fishers to report commercial landings using an electronic logbook application began in 2020. Approximately 40 percent of commercial fishers' report via the electronic logbook application (Matos-Caraballo, pers. comm.). Commercial landings data were available for the years 1985–2024.

For the U.S. Virgin Islands (USVI), the CCL consists of self-reported logbook data that fishers mail or deliver monthly to the USVI Division of Fish and Wildlife, Bureau of Fisheries. Logbook reporting began in 1974; however, landings were initially reported by gear type (e.g., net fish, hook fish, pot fish, and spear fish) and as either snapper/grouper or as another finfish group during the period 1974–1995. Beginning in 1996 for St. Croix (STX) and 1997 for St. Thomas and St. John (STTJ), a portion of commercial landings were reported by species group (e.g., snappers, groupers, parrotfishes, surgeonfishes, etc.) and by gear (hook and line, gill net, dive, trap, etc.). All commercial fishery data reports included species groups beginning in 1998 for STX and in 2000 for STTJ. Lastly, species-specific reporting was implemented in July 2011, establishing 2012 as the first complete year of species-specific data. Commercial fishery landings were available for the years 1974–2024; however, modifications to the reporting forms throughout the program history introduced variability into the data (Southeast Fisheries Science Center, 2026).

In July 2011, the NOAA SEFSC implemented new data tables for the CCL; therefore, records from before 2012 are considered historical data (Southeast Fisheries Science Center, 2026). The CCL program is the sole source of commercial fisheries data in the U.S. Caribbean. Confidential data are determined based on the number of fishers who reported commercial landings within a stratum (e.g., species-specific landings by gear and year). If the number of fishers is fewer than 3, those data are considered confidential. Confidential data have been excluded from this report.

Data Triage Analysis

The objective of the data triage analysis is to identify data gaps and inform stock assessment scheduling in the U.S. Caribbean (i.e., schedule assessments for only those species with data

sufficient for assessment models). The analysis focused on the federally managed species in each Island-Based Fishery Management Plan (IBFMP) (Tables 1, 2, and 3). Species within a stock unit were classified as indicator, non-indicator, single, or multiple. A stock unit may have contained one or more indicator species upon which management is based; any remaining species in that unit were considered non-indicators. Stock units comprising only one species were managed as individual stocks and were therefore classified as single. Conversely, stock units containing two or more species without a designated indicator species were managed as a single stock complex, and those species were classified as multiple.

Several key fisheries metrics were compiled for each IBFMP, beginning with an evaluation of historical trends based on total and mean pounds per year across the time series, the length of the time series of data, and the total number of years a species was reported as landed (Tables 4, 5, and 6). Fishing effort was quantified using the total number of reported trips, while catch composition was assessed for the presence of federally managed species.

The results of the data triage analysis will be published as a NOAA Technical Memorandum when completed. The data triage quality evaluation process will follow a structured, three-step framework. First, the data will be evaluated against five foundational quality criteria: years of data, landings volume, stability/trend, continuity, and recency. These factors will then be used to calculate a numerical Quality Score, which is categorized as Sufficient (80–100), Fair (50–79), Poor (30–49), or Insufficient (< 30). Finally, this score will dictate the resulting NOAA Assessment, classifying the data into one of five tiers: Tier 1 (Data-rich), Tier 2 (Acceptable), Tier 3 (Data-limited), Tier 4 (Minimal Data), or Tier 5 (Insufficient).

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Tables and figures

Table 1. The stock units of the Puerto Rico Island-Based Fishery Management Plan, showing the species within each stock unit and their respective classifications (e.g., indicator, non-indicator, single, or multiple).

Stock	Common Name	Scientific Name	Class
Angelfish	Gray angelfish	<i>Pomacanthus arcuatus</i>	multiple
Angelfish	French angelfish	<i>Pomacanthus paru</i>	multiple
Angelfish	Queen angelfish	<i>Holacanthus ciliaris</i>	multiple
Barracuda	Great barracuda	<i>Sphyrna barracuda</i>	single
Conch	Queen conch	<i>Lobatus gigas</i>	single
Dolphinfish	Dolphin	<i>Coryphaena hippurus</i>	indicator
Dolphinfish	Pompano dolphin	<i>Coryphaena equiselis</i>	not indicator
Grouper 1	Nassau Grouper*	<i>Epinephelus striatus</i>	single
Grouper 2	Goliath grouper*	<i>Epinephelus itajara</i>	single
Grouper 3	Coney	<i>Epinephelus fulvus</i>	indicator
Grouper 3	Graysby	<i>Epinephelus cruentatus</i>	not indicator
Grouper 4	Yellowfin grouper	<i>Mycteroperca venenosa</i>	multiple
Grouper 4	Black grouper	<i>Mycteroperca bonaci</i>	multiple
Grouper 4	Red grouper	<i>Epinephelus morio</i>	multiple
Grouper 4	Tiger grouper	<i>Mycteroperca tigris</i>	multiple
Grouper 4	Yellowmouth grouper	<i>Mycteroperca interstitialis</i>	multiple
Grouper 5	Misty grouper	<i>Epinephelus mystacinus</i>	multiple
Grouper 5	Yellowedge grouper	<i>Epinephelus flavolimbatus</i>	multiple
Grouper 6	Red hind	<i>Epinephelus guttatus</i>	indicator
Grouper 6	Rock hind	<i>Epinephelus adscensionis</i>	not indicator
Grunts	White grunt	<i>Haemulon plumieri</i>	single
Jacks 1	Crevalle jack	<i>Caranx hippos</i>	single
Jacks 2	African pompano	<i>Alectis ciliaris</i>	single
Jacks 3	Rainbow runner	<i>Elagatis bipinnulata</i>	single
Mackerel	King mackerel	<i>Scomberomorus cavalla</i>	multiple
Mackerel	Cero mackerel	<i>Scomberomorus regalis</i>	multiple
Parrotfish 1	Blue parrotfish*	<i>Scarus coeruleus</i>	multiple
Parrotfish 1	Rainbow parrotfish*	<i>Scarus guacamaia</i>	multiple
Parrotfish 1	Midnight parrotfish*	<i>Scarus coelestinus</i>	multiple
Parrotfish 2	Stoplight parrotfish	<i>Sparisoma viride</i>	multiple
Parrotfish 2	Redtail parrotfish	<i>Sparisoma chrysopterus</i>	multiple
Parrotfish 2	Princess parrotfish	<i>Scarus taeniopterus</i>	multiple
Rays 1	Giant manta ray*	<i>Manta birostris</i>	single
Rays 2	Spotted eagle ray*	<i>Aetobatus narinari</i>	single
Rays 3	Southern stingray*	<i>Hypanus americanus</i>	single
Snapper 1	Silk snapper	<i>Lutjanus vivanus</i>	indicator
Snapper 1	Vermilion snapper	<i>Rhomboplites aurorubens</i>	not indicator
Snapper 1	Black snapper	<i>Apsilus dentatus</i>	not indicator
Snapper 1	Blackfin snapper	<i>Lutjanus buccanella</i>	not indicator
Snapper 1	Wenchman	<i>Pristipomoides aquilonaris</i>	not indicator

Stock	Common Name	Scientific Name	Class
Snapper 2	Queen snapper	<i>Etelis oculatus</i>	indicator
Snapper 2	Cardinal snapper	<i>Pristipomoides macrophthalmus</i>	not indicator
Snapper 3	Lane snapper	<i>Lutjanus synagris</i>	single
Snapper 4	Mutton snapper	<i>Lutjanus analis</i>	indicator
Snapper 4	Schoolmaster	<i>Lutjanus apodus</i>	not indicator
Snapper 4	Dog snapper	<i>Lutjanus jocu</i>	not indicator
Snapper 5	Yellowtail snapper	<i>Ocyurus chrysurus</i>	single
Snapper 6	Cubera snapper	<i>Lutjanus cyanopterus</i>	single
Spiny lobster	Spiny lobster	<i>Panulirus argus</i>	single
Surgeonfish	Doctorfish	<i>Acanthurus chirurgus</i>	multiple
Surgeonfish	Ocean surgeonfish	<i>Acanthurus bahianus</i>	multiple
Triggerfish	Queen triggerfish	<i>Balistes vetula</i>	indicator
Triggerfish	Ocean triggerfish	<i>Canthidermis sufflamen</i>	not indicator
Triggerfish	Gray triggerfish	<i>Balistes capriscus</i>	not indicator
Tripletail	Tripletail	<i>Lobotes surinamensis</i>	single
Tunas	Little tunny	<i>Euthynnus alletteratus</i>	multiple
Tunas	Blackfin tuna	<i>Thunnus atlanticus</i>	multiple
Wahoo	Wahoo	<i>Acanthocybium solandri</i>	single
Wrasses 1	Hogfish	<i>Lachnolaimus maximus</i>	single
Wrasses 2	Spanish hogfish	<i>Bodianus rufus</i>	multiple
Wrasses 2	Puddingwife	<i>Halichoeres radiatus</i>	multiple

*Indicates species subject to harvest prohibitions or restrictions.

Table 2. The stock units of the St. Thomas and St. John Island-Based Fishery Management Plan, showing the species within each stock unit and their respective classifications (e.g., indicator, non-indicator, single, or multiple).

Stock	Common Name	Scientific Name	Class
Angelfish	Gray angelfish	<i>Pomacanthus arcuatus</i>	indicator
Angelfish	Queen angelfish	<i>Holacanthus ciliaris</i>	not indicator
Angelfish	French angelfish	<i>Pomacanthus paru</i>	not indicator
Dolphinfish	Dolphin	<i>Coryphaena hippurus</i>	single
Grouper 1	Nassau grouper*	<i>Epinephelus striatus</i>	single
Grouper 2	Goliath grouper*	<i>Epinephelus itajara</i>	single
Grouper 3	Red hind	<i>Epinephelus guttatus</i>	indicator
Grouper 3	Coney	<i>Cephalopholis fulva</i>	not indicator
Grouper 4	Yellowfin grouper	<i>Mycteroperca venenosa</i>	multiple
Grouper 4	Red grouper	<i>Epinephelus morio</i>	multiple
Grouper 4	Black grouper	<i>Mycteroperca bonaci</i>	multiple
Grouper 4	Tiger grouper	<i>Mycteroperca tigris</i>	multiple
Grouper 5	Misty grouper	<i>Hyporthodus mystacinus</i>	multiple
Grouper 5	Yellowmouth grouper	<i>Mycteroperca interstitialis</i>	multiple
Grouper 5	Yellowedge grouper	<i>Hyporthodus flavolimbatus</i>	multiple
Grunts 1	White grunt	<i>Haemulon plumieri</i>	indicator
Grunts 1	Bluestriped grunt	<i>Haemulon sciurus</i>	not indicator
Grunts 2	Margate	<i>Haemulon album</i>	single
Jacks	Blue runner	<i>Caranx crysos</i>	single
Parrotfish 1	Blue parrotfish*	<i>Scarus coeruleus</i>	multiple
Parrotfish 1	Rainbow parrotfish*	<i>Scarus guacamaia</i>	multiple
Parrotfish 1	Midnight parrotfish*	<i>Scarus coelestinus</i>	multiple
Parrotfish 2	Stoplight parrotfish	<i>Sparisoma viride</i>	indicator
Parrotfish 2	Redtail parrotfish	<i>Sparisoma chrysopteron</i>	indicator
Parrotfish 2	Redfin parrotfish	<i>Sparisoma rubripinne</i>	not indicator
Parrotfish 2	Princess parrotfish	<i>Scarus guacamaia</i>	not indicator
Parrotfish 2	Redband parrotfish	<i>Sparisoma aurofrenatum</i>	not indicator
Parrotfish 2	Queen parrotfish	<i>Scarus vetula</i>	not indicator
Porgies	Saucereye porgy	<i>Calamus calamus</i>	indicator
Porgies	Jolthead porgy	<i>Calamus bajonado</i>	not indicator
Porgies	Sea bream	<i>Archosargus rhomboidalis</i>	not indicator
Porgies	Sheepshead porgy	<i>Calamus penna</i>	not indicator
Queen conch	Queen conch	<i>Lobatus gigas</i>	single
Snapper 1	Blackfin snapper	<i>Lutjanus buccanella</i>	indicator
Snapper 1	Silk snapper	<i>Lutjanus vivanus</i>	not indicator
Snapper 1	Vermilion snapper	<i>Rhomboplites aurorubens</i>	not indicator
Snapper 1	Black snapper	<i>Apsilus dentatus</i>	not indicator
Snapper 2	Queen snapper	<i>Etelis oculatus</i>	single
Snapper 3	Mutton snapper	<i>Lutjanus analis</i>	indicator
Snapper 3	Lane snapper	<i>Lutjanus synagris</i>	not indicator
Snapper 4	Yellowtail snapper	<i>Ocyurus chrysurus</i>	single
Spiny lobster	Spiny lobster	<i>Panulirus argus</i>	single

Stock	Common Name	Scientific Name	Class
Surgeonfish	Doctorfish	<i>Acanthurus chirurgus</i>	indicator
Surgeonfish	Ocean surgeonfish	<i>Acanthurus bahianus</i>	not indicator
Surgeonfish	Blue tang	<i>Acanthurus coeruleus</i>	not indicator
Triggerfish	Queen triggerfish	<i>Balistes vetula</i>	single
Wahoo	Wahoo	<i>Acanthocybium solandri</i>	single
Wrasses	Hogfish	<i>Lachnolaimus maximus</i>	single

*Indicates species subject to harvest prohibitions or restrictions.

Table 3. The stock units of the St. Croix Island-Based Fishery Management Plan, showing the species within each stock unit and their respective classifications (e.g., indicator, non-indicator, single, or multiple).

Stock	Common Name	Scientific Name	Class
Angelfish	Gray angelfish	<i>Pomacanthus arcuatus</i>	multiple
Angelfish	Queen angelfish	<i>Holacanthus ciliaris</i>	multiple
Angelfish	French angelfish	<i>Pomacanthus paru</i>	multiple
Dolphinfish	Dolphin	<i>Coryphaena hippurus</i>	single
Grouper 1	Nassau grouper*	<i>Epinephelus striatus</i>	single
Grouper 2	Goliath grouper*	<i>Epinephelus itajara</i>	single
Grouper 3	Coney	<i>Cephalopholis fulva</i>	indicator
Grouper 3	Graysby	<i>Cephalopholis cruentata</i>	not indicator
Grouper 4	Red hind	<i>Epinephelus guttatus</i>	indicator
Grouper 4	Rock hind	<i>Epinephelus adscensionis</i>	not indicator
Grouper 5	Yellowfin grouper	<i>Mycteroperca venenosa</i>	multiple
Grouper 5	Tiger grouper	<i>Mycteroperca tigris</i>	multiple
Grouper 5	Black grouper	<i>Mycteroperca bonaci</i>	multiple
Grouper 5	Red grouper	<i>Epinephelus morio</i>	multiple
Grouper 6	Misty grouper	<i>Hyporthodus mystacinus</i>	single
Grunts	White grunt	<i>Haemulon plumieri</i>	multiple
Grunts	Bluestriped grunt	<i>Haemulon sciurus</i>	multiple
Parrotfish 1	Blue parrotfish*	<i>Scarus coeruleus</i>	multiple
Parrotfish 1	Rainbow parrotfish*	<i>Scarus guacamaia</i>	multiple
Parrotfish 1	Midnight parrotfish*	<i>Scarus coelestinus</i>	multiple
Parrotfish 2	Stoplight parrotfish	<i>Sparisoma viride</i>	indicator
Parrotfish 2	Redtail parrotfish	<i>Sparisoma chrysopterum</i>	indicator
Parrotfish 2	Redfin parrotfish	<i>Sparisoma rubripinne</i>	not indicator
Parrotfish 2	Redband parrotfish	<i>Sparisoma aurofrenatum</i>	not indicator
Parrotfish 2	Princess parrotfish	<i>Scarus taeniopterus</i>	not indicator
Parrotfish 2	Queen parrotfish	<i>Scarus vetula</i>	not indicator
Queen conch	Queen conch	<i>Lobatus gigas</i>	single
Snapper 1	Silk snapper	<i>Lutjanus vivanus</i>	indicator
Snapper 1	Blackfin snapper	<i>Lutjanus buccanella</i>	indicator
Snapper 1	Vermilion snapper	<i>Rhomboplites aurorubens</i>	not indicator
Snapper 1	Black snapper	<i>Apsilus dentatus</i>	not indicator
Snapper 2	Queen snapper	<i>Etelis oculatus</i>	single
Snapper 3	Gray snapper	<i>Lutjanus griseus</i>	multiple
Snapper 3	Lane snapper	<i>Lutjanus synagris</i>	multiple
Snapper 4	Mutton snapper	<i>Lutjanus analis</i>	single
Snapper 5	Schoolmaster	<i>Lutjanus apodus</i>	single
Snapper 6	Yellowtail snapper	<i>Ocyurus chrysurus</i>	single
Spiny lobster	Spiny lobster	<i>Panulirus argus</i>	single
Squirrelfish	Longspine squirrelfish	<i>Holocentrus rufus</i>	multiple
Surgeonfish	Blue tang	<i>Acanthurus coeruleus</i>	multiple
Surgeonfish	Ocean surgeonfish	<i>Acanthurus bahianus</i>	multiple
Surgeonfish	Doctorfish	<i>Acanthurus chirurgus</i>	multiple

Stock	Common Name	Scientific Name	Class
Triggerfish	Queen triggerfish	<i>Balistes vetula</i>	single
Wahoo	Wahoo	<i>Acanthocybium solandri</i>	single

*Indicates species subject to harvest prohibitions or restrictions.

Table 4. Fisheries metrics compiled for species in the Puerto Rico Island-Based Fishery Management Plan, including data availability (years), fishing effort (total trips), and catch volume (total pounds and annual average).

Stock	Scientific Name	Common Name	First Year	Last Year	Years Available	Total Trips	Total Pounds	Annual Average (lbs)
Angelfish	<i>Holacanthus ciliaris</i>	Queen angelfish	1989	2016	7	9	302	43
Angelfish	<i>Pomacanthus arcuatus</i>	Gray angelfish	2000	2022	2	40	616	308
Angelfish	<i>Pomacanthus paru</i>	French angelfish	2015	2016	2	*	*	*
Barracuda	<i>Sphyræna barracuda</i>	Great barracuda	1985	2024	40	13,236	605,338	15,133
Conch	<i>Lobatus gigas</i>	Queen conch	1985	2024	40	151,197	11,671,880	291,797
Dolphinfish	<i>Coryphaena hippurus</i>	Dolphin	1985	2024	40	43,743	5,558,366	138,959
Dolphinfish	<i>Coryphaena equiselis</i>	Pompano dolphin	1988	2024	16	28	1,769	111
Grouper 1	<i>Epinephelus striatus</i>	Nassau Grouper	1986	2011	26	8,558	259,624	9,986
Grouper 2	<i>Epinephelus itajara</i>	Goliath grouper	1987	2008	17	280	31,309	1,842
Grouper 3	<i>Epinephelus fulvus</i>	Coney	1986	2024	39	15,036	352,815	9,047
Grouper 3	<i>Epinephelus cruentatus</i>	Graysby	1995	2024	10	51	778	78
Grouper 4	<i>Epinephelus morio</i>	Red grouper	1992	2024	9	31	1,517	169
Grouper 4	<i>Mycteroperca bonaci</i>	Black grouper	1990	2023	7	9	600	86
Grouper 4	<i>Mycteroperca interstitialis</i>	Yellowmouth grouper	2012	2014	2	*	*	*
Grouper 4	<i>Mycteroperca tigris</i>	Tiger grouper	1995	2023	3	25	4,087	1,362
Grouper 4	<i>Mycteroperca venenosa</i>	Yellowfin grouper	1987	2024	38	2,337	83,078	2,186
Grouper 5	<i>Epinephelus flavolimbatus</i>	Yellowedge grouper	2010	2024	15	275	11,080	739
Grouper 5	<i>Epinephelus mystacinus</i>	Misty grouper	1989	2024	36	5,285	240,669	6,685
Grouper 6	<i>Epinephelus guttatus</i>	Red hind	1986	2024	39	64,619	2,244,958	57,563
Grouper 6	<i>Epinephelus adscensionis</i>	Rock hind	1988	2022	11	44	3,197	291

Stock	Scientific Name	Common Name	First Year	Last Year	Years Available	Total Trips	Total Pounds	Annual Average (lbs)
Grunts	<i>Haemulon plumieri</i>	White grunt	1985	2024	40	96,383	4,962,148	124,054
Jacks 1	<i>Caranx hippos</i>	Crevalle jack	1991	2024	9	30	631	70
Jacks 2	<i>Alectis ciliaris</i>	African pompano	1988	2024	28	124	10,800	386
Jacks 3	<i>Elagatis bipinnulata</i>	Rainbow runner	1988	2024	29	311	13,978	482
Mackerel	<i>Scomberomorus cavalla</i>	King mackerel	1985	2024	40	65,397	4,208,234	105,206
Mackerel	<i>Scomberomorus regalis</i>	Cero mackerel	1987	2024	38	27,222	1,604,453	42,222
Parrotfish 1	<i>Scarus coelestinus</i>	Midnight parrotfish	1992	2003	4	4	372	93
Parrotfish 1	<i>Scarus coeruleus</i>	Blue parrotfish	1994	2009	8	9	671	84
Parrotfish 1	<i>Scarus guacamaia</i>	Rainbow parrotfish	1995	2022	11	146	4,494	409
Parrotfish 2	<i>Scarus taeniopterus</i>	Princess parrotfish	2021	2021	1	*	*	*
Parrotfish 2	<i>Sparisoma chrysopteron</i>	Redtail parrotfish	1999	2023	4	19	640	160
Parrotfish 2	<i>Sparisoma viride</i>	Stoplight parrotfish	1993	2024	19	85	3,774	199
Rays 1	<i>Manta birostris</i>	Giant manta ray	1987	2023	26	270	39,205	1,508
Rays 2	<i>Aetobatus narinari</i>	Spotted eagle ray	1987	2024	21	184	49,186	2,342
Rays 3	<i>Hypanus americanus</i>	Southern stingray	1988	2023	23	128	12,391	539
Snapper 1	<i>Lutjanus vivanus</i>	Silk snapper	1985	2024	40	130,393	12,053,687	301,342
Snapper 1	<i>Apsilus dentatus</i>	Black snapper	1988	2024	32	2,261	69,875	2,184
Snapper 1	<i>Lutjanus buccanella</i>	Blackfin snapper	1988	2024	36	7,379	255,640	7,101
Snapper 1	<i>Pristipomoides aquilonaris</i>	Wenchman	2020	2020	1	*	*	*
Snapper 1	<i>Rhomboplites aurorubens</i>	Vermilion snapper	1987	2024	38	14,773	563,447	14,828
Snapper 2	<i>Etelis oculatus</i>	Queen snapper	1987	2024	38	39,421	4,729,792	124,468
Snapper 2	<i>Pristipomoides macrophthalmus</i>	Cardinal snapper	1989	2024	32	9,065	299,464	9,358

Stock	Scientific Name	Common Name	First Year	Last Year	Years Available	Total Trips	Total Pounds	Annual Average (lbs)
Snapper 3	<i>Lutjanus synagris</i>	Lane snapper	1985	2024	40	178,637	7,080,846	177,021
Snapper 4	<i>Lutjanus analis</i>	Mutton snapper	1985	2024	40	90,381	2,563,955	64,099
Snapper 4	<i>Lutjanus apodus</i>	Schoolmaster	1988	2024	28	144	3,604	129
Snapper 4	<i>Lutjanus jocu</i>	Dog snapper	1988	2024	23	139	6,398	278
Snapper 5	<i>Ocyurus chrysurus</i>	Yellowtail snapper	1985	2024	40	157,423	9,936,299	248,407
Snapper 6	<i>Lutjanus cyanopterus</i>	Cubera snapper	1988	2024	24	3,634	69,056	2,877
Spiny lobster	<i>Panulirus argus</i>	Spiny lobster	1985	2024	40	353,312	15,169,127	379,228
Surgeonfish	<i>Acanthurus bahianus</i>	Ocean surgeonfish	1991	2015	7	44	640	91
Surgeonfish	<i>Acanthurus chirurgus</i>	Doctorfish	2014	2023	5	23	300	60
Triggerfish	<i>Balistes vetula</i>	Queen triggerfish	1985	2024	40	98,851	2,428,774	60,719
Triggerfish	<i>Balistes caprisus</i>	Gray triggerfish	1990	2024	6	71	1,694	282
Triggerfish	<i>Canthidermis sufflamen</i>	Ocean triggerfish	1990	2022	9	36	854	95
Tripletail	<i>Lobotes surinamensis</i>	Tripletail	1989	2024	18	46	2,704	150
Tunas	<i>Euthynnus alletteratus</i>	Little tunny	1987	2024	38	10,115	731,938	19,262
Tunas	<i>Thunnus atlanticus</i>	Blackfin tuna	1987	2024	38	15,911	937,066	24,660
Wahoo	<i>Acanthocybium solandri</i>	Wahoo	1987	2024	38	6,655	403,363	10,615
Wrasses 1	<i>Lachnolaimus maximus</i>	Hogfish	1985	2024	40	94,136	2,348,963	58,724
Wrasses 2	<i>Bodianus rufus</i>	Spanish hogfish	1987	2022	20	3,497	378,582	18,929
Wrasses 2	<i>Halichoeres radiatus</i>	Puddingwife	1989	2022	8	12	439	55

Note: *Confidential data removed.

Table 5. Fisheries metrics compiled for species in the St. Thomas and St. John Island-Based Fishery Management Plan, including data availability (years), fishing effort (total trips), and catch volume (total pounds and annual average).

Stock	Scientific Name	Common Name	First Year	Last Year	Years Available	Total Trips	Total Pounds	Annual Average (lbs)
Angelfish	<i>Pomacanthus arcuatus</i>	Gray angelfish	2011	2024	14	9,566	166,077	11,863
Angelfish	<i>Holacanthus ciliaris</i>	Queen angelfish	2011	2024	14	2,885	22,773	1,627
Angelfish	<i>Pomacanthus paru</i>	French angelfish	2011	2024	14	3,628	37,695	2,692
Angelfish	<i>Unspecified</i>	Unspecified	1997	2011	15	7,701	150,420	10,028
Dolphinfish	<i>Coryphaena hippurus</i>	Dolphin	1997	2024	28	2,521	168,099	6,004
Grouper 1	<i>Epinephelus striatus</i>	Nassau Grouper	2018	2021	4	*	*	*
Grouper 3	<i>Epinephelus guttatus</i>	Red hind	2011	2024	14	12,314	403,380	28,813
Grouper 3	<i>Cephalopholis fulva</i>	Coney	2011	2024	14	6,068	50,584	3,613
Grouper 3	<i>Unspecified</i>	Unspecified	1997	2017	21	21,654	752,875	35,851
Grouper 4	<i>Epinephelus morio</i>	Red grouper	2011	2024	14	988	24,072	1,719
Grouper 4	<i>Mycteroperca bonaci</i>	Black grouper	2016	2024	8	37	541	68
Grouper 4	<i>Mycteroperca tigris</i>	Tiger grouper	2011	2024	11	75	1,050	95
Grouper 4	<i>Mycteroperca venenosa</i>	Yellowfin grouper	2011	2024	14	1,043	20,431	1,459
Grouper 5	<i>Hyporthodus flavolimbatus</i>	Yellowedge grouper	2012	2024	6	9	268	45
Grouper 5	<i>Hyporthodus mystacinus</i>	Misty grouper	2011	2024	14	43	828	59
Grouper 5	<i>Mycteroperca interstitialis</i>	Yellowmouth grouper	2011	2024	12	59	948	79
Grunts 1	<i>Haemulon plumieri</i>	White grunt	2011	2024	14	8,803	130,483	9,320
Grunts 1	<i>Haemulon sciurus</i>	Bluestriped grunt	2011	2024	14	4,761	51,270	3,662
Grunts 1	<i>Unspecified</i>	Unspecified	1997	2024	25	26,168	530,709	21,228
Grunts 2	<i>Haemulon album</i>	Margate	2011	2024	14	1,979	23,218	1,658
Jacks	<i>Caranx crysos</i>	Blue runner	2011	2024	14	3,671	294,881	21,063
Jacks	<i>Unspecified</i>	Unspecified	1997	2019	18	8,670	705,315	39,184

Stock	Scientific Name	Common Name	First Year	Last Year	Years Available	Total Trips	Total Pounds	Annual Average (lbs)
Parrotfish 2	<i>Sparisoma chrysopterum</i>	Redtail parrotfish	2011	2024	14	7,345	75,954	5,425
Parrotfish 2	<i>Sparisoma viride</i>	Stoplight parrotfish	2011	2024	14	7,244	79,089	5,649
Parrotfish 2	<i>Scarus guacamaia</i>	Princess parrotfish	2012	2024	10	90	790	79
Parrotfish 2	<i>Scarus vetula</i>	Queen parrotfish	2011	2024	12	49	783	65
Parrotfish 2	<i>Sparisoma aurofrenatum</i>	Redband parrotfish	2016	2024	9	242	2,472	275
Parrotfish 2	<i>Sparisoma rubripinne</i>	Redfin parrotfish	2015	2024	10	319	4,968	497
Parrotfish 2	<i>Unspecified</i>	Unspecified	1997	2022	20	25,132	553,941	27,697
Porgies	<i>Calamus calamus</i>	Saucereye porgy	2011	2024	14	8,931	91,098	6,507
Porgies	<i>Archosargus rhomboidalis</i>	Sea bream	2016	2024	8	27	177	22
Porgies	<i>Calamus bajonado</i>	Jolthead porgy	2012	2024	11	719	5,024	457
Porgies	<i>Calamus penna</i>	Sheepshead porgy	2016	2024	9	179	1,165	129
Porgies	<i>Unspecified</i>	Unspecified	1997	2022	23	22,353	283,885	12,343
Queen conch	<i>Lobatus gigas</i>	Queen conch	1986	2024	35	1,329	51,781	1,479
Queen conch	<i>Unspecified</i>	Unspecified	1974	1986	13	703	45,723	3,517
Snapper 1	<i>Lutjanus buccanella</i>	Blackfin snapper	2011	2024	14	1,719	53,102	3,793
Snapper 1	<i>Apsilus dentatus</i>	Black snapper	2012	2024	9	23	440	49
Snapper 1	<i>Lutjanus vivanus</i>	Silk snapper	2011	2024	14	663	24,821	1,773
Snapper 1	<i>Rhomboplites aurorubens</i>	Vermilion snapper	2011	2024	14	247	2,954	211
Snapper 2	<i>Etelis oculatus</i>	Queen snapper	2011	2024	9	57	1,878	209
Snapper 3	<i>Lutjanus analis</i>	Mutton snapper	2011	2024	14	4,882	75,811	5,415
Snapper 3	<i>Lutjanus synagris</i>	Lane snapper	2011	2024	14	1,380	15,240	1,089
Snapper 4	<i>Ocyurus chrysurus</i>	Yellowtail snapper	2011	2024	14	10,185	328,230	23,445
Snapper 4	<i>Unspecified</i>	Unspecified	1997	2015	18	41,018	1,903,583	105,755
Spiny lobster	<i>Panulirus argus</i>	Spiny lobster	1974	2024	51	50,502	3,900,847	76,487

Stock	Scientific Name	Common Name	First Year	Last Year	Years Available	Total Trips	Total Pounds	Annual Average (lbs)
Surgeonfish	<i>Acanthurus chirurgus</i>	Doctorfish	2011	2024	14	9,035	114,867	8,205
Surgeonfish	<i>Acanthurus bahianus</i>	Ocean surgeonfish	2012	2024	11	136	1,369	124
Surgeonfish	<i>Acanthurus coeruleus</i>	Blue tang	2011	2024	14	4,410	37,655	2,690
Surgeonfish	<i>Unspecified</i>	Unspecified	1997	2011	15	25,291	471,246	31,416
Triggerfish	<i>Balistes vetula</i>	Queen triggerfish	2011	2024	14	12,129	527,867	37,705
Triggerfish	<i>Unspecified</i>	Unspecified	1997	2024	28	30,990	1,096,452	39,159
Wahoo	<i>Acanthocybium solandri</i>	Wahoo	1997	2024	28	1,305	90,797	3,243
Wrasses	<i>Lachnolaimus maximus</i>	Hogfish	1997	2024	28	4,076	49,341	1,762

Note: *Confidential data removed.

Table 6. Fisheries metrics compiled for species in the St. Croix Island-Based Fishery Management Plan, including data availability (years), fishing effort (total trips), and catch volume (total pounds and annual average).

Stock	Scientific Name	Common Name	First Year	Last Year	Years Available	Total Trips	Total Pounds	Annual Average (lbs)
Angelfish	<i>Holacanthus ciliaris</i>	Queen angelfish	2011	2024	14	1,249	18,219	1,301
Angelfish	<i>Pomacanthus arcuatus</i>	Gray angelfish	2011	2024	14	2,670	26,447	1,889
Angelfish	<i>Pomacanthus paru</i>	French angelfish	2011	2024	14	2,754	28,225	2,016
Angelfish	<i>Unspecified</i>	Unspecified	1995	2011	15	2,352	19,258	1,284
Dolphinfish	<i>Coryphaena hippurus</i>	Dolphin	1995	2024	30	13,301	1,283,179	42,773
Grouper 3	<i>Cephalopholis fulva</i>	Coney	2011	2024	14	5,365	63,232	4,517
Grouper 3	<i>Cephalopholis cruentata</i>	Graysby	2016	2024	9	109	1,523	169
Grouper 3	<i>Unspecified</i>	Unspecified	1995	2024	19	26,732	454,270	23,909
Grouper 4	<i>Epinephelus guttatus</i>	Red hind	2011	2024	14	7,682	103,228	7,373
Grouper 4	<i>Epinephelus adscensionis</i>	Rock hind	2016	2024	9	593	7,342	816
Grouper 5	<i>Epinephelus morio</i>	Red grouper	2011	2024	10	129	2,562	256
Grouper 5	<i>Mycteroperca bonaci</i>	Black grouper	2016	2024	7	26	446	64
Grouper 5	<i>Mycteroperca tigris</i>	Tiger grouper	2011	2024	13	88	1,538	118
Grouper 5	<i>Mycteroperca venenosa</i>	Yellowfin grouper	2011	2024	14	181	4,149	296
Grouper 6	<i>Hyporthodus mystacinus</i>	Misty grouper	2011	2024	11	77	1,207	110
Grunts	<i>Haemulon plumieri</i>	White grunt	2011	2024	14	4,857	58,915	4,208
Grunts	<i>Haemulon sciurus</i>	Bluestriped grunt	2011	2024	14	5,031	54,328	3,881
Grunts	<i>Unspecified</i>	Unspecified	1995	2023	25	44,279	572,447	22,898
Parrotfish 1	<i>Scarus coeruleus</i>	Blue parrotfish	2021	2021	1	*	*	*
Parrotfish 2	<i>Sparisoma chrysopteron</i>	Redtail parrotfish	2011	2024	14	5,399	135,976	9,713
Parrotfish 2	<i>Sparisoma viride</i>	Stoplight parrotfish	2011	2024	14	9,031	307,047	21,932

Stock	Scientific Name	Common Name	First Year	Last Year	Years Available	Total Trips	Total Pounds	Annual Average (lbs)
Parrotfish 2	<i>Scarus taeniopterus</i>	Princess parrotfish	2011	2024	14	2,987	79,237	5,660
Parrotfish 2	<i>Scarus vetula</i>	Queen parrotfish	2011	2024	14	3,088	113,587	8,113
Parrotfish 2	<i>Sparisoma aurofrenatum</i>	Redband parrotfish	2011	2024	14	3,895	115,744	8,267
Parrotfish 2	<i>Sparisoma rubripinne</i>	Redfin parrotfish	2011	2024	14	5,532	145,220	10,373
Parrotfish 2	<i>Unspecified</i>	Unspecified	1995	2023	22	60,595	4,136,204	188,009
Queen conch	<i>Lobatus gigas</i>	Queen conch	1986	2024	39	36,054	2,149,180	55,107
Queen conch	<i>Unspecified</i>	Unspecified	1975	1986	12	2,135	135,118	11,260
Snapper 1	<i>Lutjanus buccanella</i>	Blackfin snapper	2011	2024	14	1,933	94,708	6,765
Snapper 1	<i>Lutjanus vivanus</i>	Silk snapper	2011	2024	14	1,712	98,595	7,042
Snapper 1	<i>Apsilus dentatus</i>	Black snapper	2011	2024	10	232	7,039	704
Snapper 1	<i>Rhomboplites aurorubens</i>	Vermilion snapper	2011	2024	14	524	12,875	920
Snapper 2	<i>Etelis oculatus</i>	Queen snapper	2011	2024	14	1,175	47,372	3,384
Snapper 3	<i>Lutjanus griseus</i>	Gray snapper	2011	2024	14	4,037	43,469	3,105
Snapper 3	<i>Lutjanus synagris</i>	Lane snapper	2011	2024	14	951	9,276	663
Snapper 4	<i>Lutjanus analis</i>	Mutton snapper	2011	2024	14	3,562	40,442	2,889
Snapper 5	<i>Lutjanus apodus</i>	Schoolmaster	2011	2024	14	5,542	82,044	5,860
Snapper 6	<i>Ocyurus chrysurus</i>	Yellowtail snapper	2011	2024	14	3,612	66,069	4,719
Snapper 6	<i>Unspecified</i>	Unspecified	1995	2011	17	61,759	1,614,445	94,967
Spiny lobster	<i>Panulirus argus</i>	Spiny lobster	1975	2024	50	66,640	2,388,486	47,770
Squirrelfish	<i>Holocentrus rufus</i>	Longspine squirrelfish	2011	2016	6	522	2,656	443
Surgeonfish	<i>Acanthurus bahianus</i>	Ocean surgeonfish	2011	2024	14	2,597	31,165	2,226
Surgeonfish	<i>Acanthurus chirurgus</i>	Doctorfish	2011	2024	14	3,509	41,941	2,996
Surgeonfish	<i>Acanthurus coeruleus</i>	Blue tang	2011	2024	14	5,494	58,721	4,194

Stock	Scientific Name	Common Name	First Year	Last Year	Years Available	Total Trips	Total Pounds	Annual Average (lbs)
Surgeonfish	<i>Unspecified</i>	Unspecified	1995	2023	18	35,764	581,477	32,304
Triggerfish	<i>Balistes vetula</i>	Queen triggerfish	2011	2024	14	7,708	120,764	8,626
Triggerfish	<i>Unspecified</i>	Unspecified	1995	2024	30	31,824	404,847	13,495
Wahoo	<i>Acanthocybium solandri</i>	Wahoo	1996	2024	29	6,223	466,586	16,089

Note: *Confidential data removed.