

Table S1 : Primary-source data relating to reliable occurrences of reef-associated fishes known from the different islands in the Revillagigedo National Park (RNP).

FAMILY	Resident	Species Name	Name Authority	Clarion	Roca Partida	San Benedicto	Socorro	Fourr.	DMF	Primary Sources
ACANTHURIDAE	yes	<i>Acanthurus nigricans</i>	(Linnaeus, 1758)	Im, S, AAB, inat, M	Im, AAB	Im, AAB, inat, M	Im, S, M, AAB, inat, CC10	Obs	yes	2022: Im,S(36),common; AAB: 2012,13,17,19,22,23; inat: (38), school,2020,21,23,24; CC10: common; Rick: (8); J&M: (12), common; LACM; SIO; CMNFI; CAS; ANSP; CNPE; CPUM
	yes	<i>Acanthurus triostegus</i>	(Linnaeus, 1758)	Im, S, inat, M	AAB	Im, AAB	Im, S, inat, CC10	Obs	yes	2022: Im,S(34),schools; CC10: common; inat: schools; J&M: (18); Rick; Bee; C-B; CNPE; SIO; USNM; CMNFI; CAS; FMNH; LACM; CNPE; CPUM

	yes	<i>Acanthurus xanthopterus#</i>	Valenciennes, 1835	Im, S, inat	Im, inat, AAB	Im, inat, AAB	Inat, H, CC10	Obs	yes	2022: Im; AAB: (9) 2012,13,17,19, 22,23; CC10; H; VL; inat: (7),2017,18, 23,24; CPUM: (1)
	uncertain	<i>Ctenochaetus marginatus</i>	(Valenciennes, 1835)	M		Im. AAB	Im, S, CC10, AAB, inat	Obs	yes	2022: Im; AAB: 2023, singletons; inat: (11), 2023,24,25; CC10; UBC: 1959(1); CPUM: (2)
	yes	<i>Prionurus laticlavus</i>	(Valenciennes, 1846)	Im, S, AAB. M	Inat, AAB	Im, S, AAB	Im, S, AAB, M, CC10	Obs	yes	2022: Im,S(12),common; inat: school; AAB: 2012,13,14.17, 19,23; J&M; Rick; Bee; CC10: common; Inat; CAS; LACM; SIO; CMNFI; CNPE; CPUM; USNM
ALOSIDAE	no	<i>Sardinops sagax</i>	(Jenyns, 1842)				M*	(yes)	yes	LACM*: 1934 (1)
ANTENNARIIDAE	yes	<i>Abantennarius sanguineus</i>	(Gill, 1863)	S, Im, M, BF, eDNA		eDNA, BF	S, Im, M, eDNA	yes	yes	2022: S(3),Im,BFDNA; SIO: 1972(1); LACM: 1971(2); CMNFI: 1959(2); CPUM: (2); eDNA: 23r CO1; MNHN: Gulf of California

	no	<i>Antennarius commerson</i>	(Latreille, 1804)	S, Im				yes	yes	2022: Im,S(1)
	no	<i>Antennatus strigatus</i>	(Gill, 1863)				M*, Im	yes	yes	CMNFI*: 1957(1),Im; MNHN: Gulf of California
	yes	<i>Fowlerichthys avalonis</i>	(Jordan & Starks, 1907)				AAB15, S		yes	AAB15: Im (2); CPUM (2); J&M: do not mention
ANTHIADIDAE	yes	<i>Pronotogrammus multifasciatus</i> #	Gill, 1863	M, eDNA	eDNA	eDNA	eDNA			J&M: 1897(1), specimen to CAS (lost); eDNA: 3266r 16S
APOGONIDAE	yes	<i>Apogon atricaudus</i>	Jordan, 1898	J&M, M, Im, S		J&M, M, Im, inat	J&M, M, Im, S	Obs	yes	2022: Im,S(22),common; inat: 2016; J&M: numerous; CC10; Rick: (5); LACM: 1971(151); SIO: 1955(7), 70(7),74(63),90(1); CAS: 1897, 1925(31),40(1); CMNFI; CPUM; USNM
	no	<i>Apogon retrosella</i>	(Gill, 1862)			S, Im, BF		Obs	yes	2022: Im,S(1),BFDNA; MNHN: Gulf of California

ATHERINOPSIDAE	yes	<i>Atherinella eriarcha</i>	Jordan & Gilbert, 1882	S, inat, M		M	S, M	yes	yes	2022: S(112), BVDNA; Rick: (4); inat: 2022; CAS: 1925(29),32(13),53(3); LACM; 1954(3),55(34); CMNFI: 1957(5),61(10),63(5); CPUM: (4)
AULOSTOMIDAE	yes	<i>Aulostomus chinensis</i>	(Linnaeus, 1766)	Im, S, AAB, inat, M	Im, AAB, inat	Im, AAB, inat, H	Im, AAB, inat, M	Obs	yes	2022: Im,S(2); AAB: 2012,13,14, 17,19,22,23; inat: 2016,20,21,23; H; Rick; CNPE; UBC, SIO; LACM
BALISTIDAE	yes	<i>Balistes polylepis</i>	Steindachner, 1876	Im, S, H, M	AAB	AAB	Im, S, H, AAB, inat, M, CC10	Obs	yes	2022: Im; AAB: 2012,23; H: (5); inat: (3),2012,23; CC10; Rick: (1); Bee; SIO: 1954(1), 64(1), 75(1); LACM: 1951(1),55(1),64(1),71(1); CAS: 1925(8); CPUM: (8); USNM
	uncertain	<i>Canthidermis maculata</i> #	(Bloch, 1786)	M			M*, S	Obs	yes	SIO*: 1962(1), 1975(1); CPUM: (1); B&B66: 1962(1)

	yes	<i>Melichthys niger</i>	(Bloch, 1786)	C-B, Gil, Im, S, inat, M	Inat, M, AAB	Im, AAB	Gil, Im, S, M, AAB, inat, CC10	Obs	yes	2022: Im,S(3), common; Gil; inat: (11); AAB: 2012,13,17, 19,22, 23; Rick: (2); Gil; CC10; Bee; SIO; CAS; CMNFI; LACM; CNPE; CPUM, USNM
	yes	<i>Sufflamen verres</i> #	(Gilbert & Starks, 1904)	C-B, M, S, AAB, H	Im, M, AAB, inat	Im, S, H, M	Im, S, AAB, H, M, CC10	Obs	yes	2022: Im, S(3); inat: (5); H; AAB: 2012,13,14, 17,19, 22,23; J&M: (6); Rick: (2); C-B, CC10: common; SIO; LACM; CMNFI; CAS; CPUM, USNM*
	yes	<i>Xanthichthys mento</i>	(Jordan & Gilbert, 1882)	J&G, M*, S, AAB, inat, H	Inat, S, AAB, M,	Im, AAB, H	Im, S, AAB, inat, H, M*, CC10	Obs	yes	2022: Im, S(5), common; CC10: common; AAB: 2012,13,14,17,19, 22,23; inat: (30); H: (29); J&M: (17); Rick: (6); Bee; LACM; CAS; CMNFI*; SIO*; MCZ*; CNPE; CPUM; USNM; CUMV*

BELONIDAE	yes#	<i>Ablennes hians#</i>	Valenciennes, 1846)	eDNA		AAB, eDNA	eDNA	(yes)	yes	AAB: 2017,19,22; eDNA: r600 CO1
	yes	<i>Platybelone pterura</i>	(Osburn & Nichols, 1916)	M		M, eDNA	Rick, M*	(yes)	yes	Rick: (1); CMNFI*: (6); SIO*: 1956(3),58(2),74(3); LACM: 1951(1), 52(3),53(12),55(5),58(1), 62(1),71(4),79(1); CAS: 1925(2), 40(1),52(1),56(1); USNM (5); eDNA: 42r CO1
	uncertain	<i>Tylosurus fodiator#</i>	Jordan & Gilbert, 1882	Im, eDNA		eDNA	Inat, M	yes	yes	2022: Im (1); inat: 2023(1),25(trio); CAS: 1925(3); UBC: 1959(2); eDNA: 66r CO1
	yes	<i>Tylosurus melanotus#</i>	(Bleeker, 1850)	eDNA	eDNA	eDNA	M, eDNA	yes		USNM*: 1955(1); LACM*: 1952(1); eDNA: 64r CO1 & 3721r 16S
BLENNIIDAE	yes	<i>Entomacrodus chiostictus</i>	(Jordan & Gilbert, 1882)	Im, S, inat, M	M	Im	Im, S, M	yes	yes	2022: Im, S(2): inat: (3); J&M; Rick: (7); C-B; USNM; LACM:

										1955(4),71(47); SIO: 1953(38),56(11),70(77); CAS: 1925(3),32(20), 5(13),71(3); CPUM
	yes	<i>Hypsoblennius proteus</i>	(Krejsa, 1960)	K60, Im, S, M	K60	K60, O, M	K60, Im, S, M, inat	yes	yes	2022: Im,S(1),observe; inat: (1) 2025; Rick; K60: (37); CPUM; CAS: 1955(4); SIO: 1936(1),53(1), 55(1),70(7),90(1); LACM: 1971(4); FMNH: 1953(2); UBC; USNM
	yes	<i>Ophioblennius clippertonensis</i> #	Springer, 1962	Im?, BV, S, ODD	Im?	Im?	Im?, BV, S, ODD			2022: Im, S, BVDNA(1); CPUM: ODDDNA (29); inat?
	yes	<i>Ophioblennius steindachneri</i> #	Jordan & Evermann, 1898	Im?, S, ODD	Im?	Im?	Im?, S, ODD, CC10	Obs	yes	2022: Im; Rick; CC10; SIO; CAS; CPUM: ODDDNA (5); LACM; SIO; ANSP; USNM; inat?
	yes	<i>Plagiotremus azaleus</i>	(Jordan & Bollman, 1890)	Im, S	AAB	AAB	Im, S, AAB, M	Obs	yes	2022: Im; AAB: 2012,23; LACM: 1971(1); SIO: 1953(1); CPUM: (4)

BOTHIDAE	yes	<i>Bothus leopardinus</i>	(Günther, 1862)	Im, M, inat		Im, S	M, inat, CC10	yes	yes	2022: Im,S(1); CC10; inat: (1); J&M: (3); CAS: 1889(1); LACM: 1939(20); SIO: 1974(4)
	yes	<i>Bothus mancus</i>	(Broussonet, 1782)	Im, S	Inat	Im, AAB, M, inat	Inat, S, M, AAB, CC10	Obs	yes	2022: Im,S(1); AAB: 2012,13,14, 17,23; inat: (9), 2000,15,16, 17,18,21,24; Rick; CC10; SIO: 1970(3); CPUM
BYTHITIDAE	yes	<i>Grammonus diagrammus#</i>	(Heller & Snodgrass, 1903)	M*				yes	yes	SIO: 1974 (1); LACM*: 1971 (5)
CARANGIDAE	no	<i>Alectis ciliaris#</i>	(Bloch, 1787)				M*, AAB, inat	yes	yes	AAB: Im,2023(3); LACM*: 1980 (1)
	uncertain	<i>Caranx caballus#</i>	Günther, 1868	M	AAB	Im, M, inat	Im, M, inat	(yes)	yes	2022: Im (3),very few observed; inat: 2021 (2, small group, offshore),25(4); AAB: 2013,14,19; Rick: (3); Fourr: observe 1994-99, 2010,12-13; SIO: 1955(1),57(1),

										62(2); LACM: 1954(1),56(1), 57(2),64(1),78(1),80(1); CMNFI: 1954(1),57(6),61(1); CAS: 1925(2)
	no	<i>Caranx caninus</i> #	Günther, 1867		AAB	AAB		(yes)	yes	AAB: observe 2012; no vouchers
	yes	<i>Caranx lugubris</i>	Poey, 1860	C-B, Im, S, AAB, inat, M	Im, M, AAB, inat	Im, S, H, AAB, inat, M	Im, AAB, S, inat, M, CC10	Obs	yes	2022: Im,common; inat: schools; 2013,15,17,18,20, 21,22,23; AAB: 2012,13,14,17,19,22,23; H; Rick; C-B; Bee; CC10; AO17; SIO; CMNFI; CAS; LACM; CNPE; CPUM; USNM
	yes	<i>Caranx melampygus</i>	Cuvier 1833	Im, S, AAB, H, M	AAB	Im, S, H, AAB, inat, M	Im, S, AAB, inat, H, M, CC10	Obs	yes	2022: Im,common; H; Rick; Bee; AAB: 2012,13,14 ,17,19,21,22,23; inat: small schools; 2006,11,17, 18,23,24; CC10: common; SIO; CMNFI; CAS; LACM; CPUM; USNM

	yes	<i>Caranx sexfasciatus</i>	Quoy & Gaimard, 1825	Im, S, M	Im, inat, AAB	Im, AAB, inat, M	M, AAB, inat	Obs	yes	2022: Im,schools; inat: (10), schools, 2017,18,21,23,24; AAB: 2012,13,14,17,19,22,23; J&M: 1897(2); Rick; LACM; SIO; CMNFI; CAS; CPUM; USNM
	yes	<i>Decapterus macarellus</i>	(Cuvier, 1833)	Im, S, M	Im	Im	M, inat	(yes)	yes	2022: Im,S(30), large schools; ANSP; inat: school; SIO: 1974(6): 1974(1); LACM: 1955(1); CNPE
	yes	<i>Decapterus muroadsi</i>	(Temminck & Schlegel, 1844)	M*	M	M*	M*	(yes)	yes	Bee; SIO*: 1953,54,55(1),87(2); LACM: 1955(2),69(2); CAS: 1925(1); CMNFI*: 1957(3); Albatross 1889: USNM(1)
	yes	<i>Elagatis bipinnulata</i>	(Quoy & Gaimard, 1825)	Im, M	Im, M, inat, AAB	AAB	Im, AAB, CC10	Obs	yes	2022: Im,common; CC10; AAB: 2017,21,23; inat: 2011,18; SIO; 1958(1),74(1); LACM: 1956(1)

	yes	<i>Ferdauia orthogrammus</i>	(Jordan & Gilbert, 1882)	Im, S, M	M, inat, AAB	Inat, AAB	Im, M, inat, AAB	Obs	yes	2022: Im,small schools; inat: (6), snall schools, 2016,17,18,19,23; AAB: 2017,23; J&M: 1897(7); Rick: (2); SIO: 1949(1),53(2),55(2), 64(5),70(1),73(1),74(4),87(1); LACM; CAS; CPUM; USNM
	yes	<i>Naucrates ductor</i>	(Linnaeus, 1758)	M	AAB	M, AAB	AAB, inat	(yes)	yes	AAB:2014,17,19; inat: 2025(1) LACM: 1952(2), 76(1)
	yes	<i>Selar crumenophthalmus</i>	(Bloch, 1793)	M*			M*, CC10	(yes)	yes	CC10; J&M: 1897(6); S&H; CC10; SIO*: 1978(2); CAS: 1932(1); LACM: 1979(2),80(1),85(1); FMNH: 1897(2)
	no	<i>Selene peruviana</i> #	(Guichenot, 1866)				M*	(yes)		CMNFI*: 1959 (1); SIO: 1972 (1), location uncertain; Albatross 1889: USNM, location uncertain

	no	<i>Seriola dorsalis</i> #	(Gill, 1863)	eDNA	eDNA		eDNA	Obs	yes	Fourr: observe 2012-13 only; eDNA: 5r CO1 & 3200r 16S; MNHN: Gulf of California
	yes	<i>Seriola rivoliana</i>	Valenciennes, 1833	Im, H, M, inat	Inat, AAB	M, AAB	O, M, inat	Obs	(yes)	2022: Im,observe; CAS: 1932(1); AAB: 2013,17, 19,23; CPUM; inat; 2021(1),23(1); H: (12); Bee; AO17: mesophotic-abundant; VL: common; USNM; LACM: 1954(1),79(2); SIO: 1955(8),87(1)
	yes	<i>Trachinotus stilbe</i>	(Jordan & McGregor, 1898)	Im, inat, M	Im, AAB, inat	O, AAB, M	Im, S, M, AAB, inat	Obs	yes	2022: Im,schools; CAS; CPUM; AAB: 2012,13,14 ,17,19,23; inat: small schools, 2016,18,23,24; J&M; Rick; SIO; LACM; CMNFI; USNM
	no	<i>Trachurus symmetricus</i>	(Ayres, 1855)				Fitch	(yes)	yes	Fitch: occasional juveniles

	yes	<i>Uraspis helvola</i>	(Forster, 1801)	M	Im, AAB, inat	O, AAB, inat, M	Im, inat, M	(yes)	yes	2022: Im, schools; AAB: 2012,13,14, 17,19,23; inat: (6), schools, 2011, 16,18; SIO; LACM: 1952(2), 64(1), 79(8); UMMZ: 1963(2)
CARCHARHINIDAE	no	<i>Carcharhinus altimus</i>	(Springer, 1950)		M*			(yes)	yes	USNM*: (2); Fourr: cites LACM but not in catalog
	yes	<i>Carcharhinus albimarginatus</i>	(Rüppell, 1837)	M, BG20, H	Im, inat, AAB	Im, inat, AAB, H	Im, inat, AAB, H. M	Obs	yes	2022: Im,common; H; BG20; SIO; AAB: 2012,13,14,17,19, 22,23; AO17: common; inat: (39); CAS; USNM
	yes	<i>Carcharhinus falciformis</i>	(Müller & Henle, 1839)	BG20, AAB	Im, inat BG20, AAB	Inat, O, BG20, AAB	Inat, AAB, BG20, O	(yes)	yes	2022: Im, common; AAB: 2012,13,14,17,19,22,23; H; AO17: common; BG20; inat: (20); LACM*

	yes	<i>Carcharhinus galapagensis</i>	(Snodgrass & Heller, 1905)	Im, BG20, M	Im, H, AAB, BG20, inat	Im, BG20, AAB, inat, M	Im, BG20, AAB, inat, M	Obs	yes	2022: Im,common; LACM; BG20; AAB: 2012,13,14,17,19,22,23; H; inat: (32),2011,15,17,18,19,21,22, 23,24; AO17: common; CAS; SIO; CMNFI; USNM
	yes	<i>Carcharhinus limbatus</i>	(Muller & Henle, 1839)		Inat, BG20	Inat, AAB, BG20	M, BG20	Obs	yes	AAB: 2023; inat: (5),2017,21,23; AO17; BG20; SIO: 1976(1); CMNFI: 1960(4); USNM (1); MNHN: Gulf of California
	uncertain	<i>Carcharhinus obscurus</i>	(Lesueur, 1818)		BG20, K22	BG20, AAB		Obs	yes	AO17: observe; BG20: observe; K22: capture; Fourr: observe 1990s; AAB: 2014,19, observe
	no	<i>Nasolamia velox</i>	(Gilbert, 1898)		LL18	LL18	LL18	(yes)	yes	LL18: telemetry 2014-16 (1 individual); no other records

	yes	<i>Triaenodon obesus</i>	(Rüppell, 1837)	Im, H, inat, BG20, AAB	Im, inat, BG20, AAB	Im, BG20, AAB, H, inat	Im, BG20, AAB, inat	Obs	yes	2022: Im, common; O-L; BG20; AAB: 2012,13,14,17,19,23; AO17: common; H; inat (92)
CHAENOPSIDAE	yes	<i>Acanthemblemaria mangognatha</i>	Hastings & Robertson, 1999	H&R, Im, S, M	inat	H&R, Im, inat, M	H&R, Im, S, inat, M	yes	yes	2022: Im,S(14), common; H&R: (160); inat: (9); LACM; CAS*; SIO*; USNM; LACM; CNPE; CPUM, UBC
	uncertain	<i>Chaenopsis alepidota</i> #	(Gilbert, 1890)				Im			2022: Im (1)
CHAETODONTIDAE	no	<i>Chaetodon humeralis</i> #	Günther, 1860	O, S			Inat, S, M, CC10	Obs	yes	Inat: (5),2020,24,25; CC10; CMNFI: 1959(1),61(1); CPUM: 2015(8)
	yes	<i>Forcipiger flavissimus</i> #	Jordan & McGregor, 1898	J&M, Im, S, AAB, M	AAB	J&M, Im, AAB, inat, H, M	J&M, Im, S, AAB, H, inat, M, CC10	Obs	yes	2022: Im(40),S(29); H; J&M; AAB: 2012,13,14,17,19,22,23; inat(11); Bee; Rick; CC10: common; LACM; CAS; CMNFI*;

										USNM; SIO*; FMNH; CNPE; CPUM (15)
	yes	<i>Johnrandallia nigrirostris</i>	(Gill, 1862)	Im, S, inat, M	Im, M, inat	Im, S, M, inat	Im, S, inat, M, CC10	Obs	yes	2022; Im,common; J&M: (6); Bee; AAB: 2012,13,14,17,19,23; inat; aggregations; CC10: common; Rick: (2); LACM; CAS; SIO; CMNFI; CNPE; CPUM
	yes	<i>Prognathodes falcifer</i> #	(Hubbs & Rechnitzer, 1958)	H, AAB	AAB15	AAB15	H, AAB	Obs	yes	H video (>12); AAB: observe; AAB15: video, common
CIRRHITIDAE	yes	<i>Cirrhitichthys oxycephalus</i>	(Bleeker, 1855)	Im, S. AAB, inat, M	Im, S, AAB, inat, M	Im, S, AAB, inat, M	Im, S, AAB, CC10, inat, M	Obs	yes	2022: Im,S(36),common; CC10; AAB: 2012,13,14,17, 19, 22,23; inat: (8); SIO; LACM; CNPE; CPUM

	yes	<i>Cirrhitus rivulatus</i>	Valenciennes, 1846	C-B, Im, S, AAB, M	Im, AAB, inat, M	Im, AAB, M	Im, S, M, AAB, inat, CC10	Obs	yes	2022: Im,S(24), common; AAB: 2012,13,14,17,23; inat: (5); J&M: (4); Rick: (2); C-B; CC10; Bee; SIO; LACM; CAS; CMNFI; ANSP; CNPE; CPUM; USNM
CONGRIDAE	yes	<i>Paraconger californiensis</i>	Kanazawa, 1961	M	M*		M	yes	yes	SIO*: 1987(1); LACM: 1971(2), 78(2),79(1); MNHN: Gulf of California
	uncertain	<i>Paraconger similis</i>	(Wade, 1946)		M*			yes	yes	SIO*: 1987(3)
CYCLOPSETTIDAE	uncertain	<i>Citharichthys sp.</i>			AAB					AAB: video image
	no	<i>Syacium ovale</i>	(Gunther, 1864)				M*	(yes)	yes	LACM*: 1971 (1); MNHN: Gulf of California
CYNOGLOSSIDAE	uncertain	<i>Symphurus atramentatus</i>	Jordan & Bollman, 1890				M*	(yes)	yes	LACM*: 1939 (3)

DACTYLOSCOPIDAE	yes	<i>Dactyloscopus insulatus</i>	Dawson, 1975	D75, M, S		D75, M, S	D75, S, BV	yes	yes	2022: S,BVDNA(1); D75: S(127); SIO: 1955(68),70(21); CAS; LACM; CPUM: (2)
	yes	<i>Gillellus semicinctus</i>	Gilbert, 1890	M, S, Im, BV			M, S, BV. Im	yes	yes	2022: S(2),Im(1),BVDNA; SIO: 1970(1); LACM: 1955(17),34(3); CPUM
	yes	<i>Myxodagnus opercularis</i> #	Gill, 1861	M, S			M*, S, BV	yes	yes	2022: BVDNA(1); SIO*: 1970(4); LACM: 1934(3),71; CAS: 1972(2)
DASYATIDAE	no	<i>Hypanus dipterurus</i> #	(Jordan & Gilbert, 1880)			BG20	AAB, M, BG20	yes	yes	AAB: Im; BG20; LACM:1964(1); MNHN: Gulf of California
	yes	<i>Hypanus longus</i>	(Garman, 1880)	Im, BG20, M, inat		Im, BG20, inat, H, AAB, M	Im, CC10, BG20, inat, AAB, M	Obs	yes	2022: Im; CC10; BG20; H; AAB: 2012,13,14,17,19, 23; inat: (16), 2006,16,17,18,20,22,23; LACM: 1953(1),55(1),59 (1), 64(1),71(2); SIO: 1964(1),74(2)

DIODONTIDAE	yes	<i>Chilomycterus reticulatus</i>	(Linnaeus, 1758)	Im, S, H, M	Im, H, inat, AAB	Im, AAB	Im, inat, AAB, M	Obs	yes	2022: Im; AB: 2012,13,14; inat: (8), 2015,17,18,23; H; SIO: 1974(1); CPUM: (1)
	yes	<i>Diodon holocanthus</i>	Linnaeus, 1758	M, S	AAB	Im, AAB	Im, S, AAB, inat, CC10	Obs	yes	2022: Im,S(17); CC10: common; AAB: 2012,13,17, 22,23; LACM; inat: (6),2019,23; SIO; CMNFI; CAS; CNPE; CPUM; USNM
	yes	<i>Diodon hystrix</i>	Linnaeus, 1758	M	AAB	Im, AAB	Im, AAB, M, CC10	Obs	yes	2022: Im; Bee; CAS; LACM; AAB: 2012,13,17,19,22.23; CMNFI; CC10: common, CPUM
ECHENEIDAE	uncertain	<i>Echeneis naucrates</i>	Linnaeus, 1758				S	yes	yes	CPUM; very few records anywhere in TEP
	yes	<i>Phtheirichthys lineatus</i>	(Menzies, 1791)	M*				(yes)	yes	LACM*: 1976(1); CAS: 1954(1); SIO: 1955(1)
	yes	<i>Remora remora</i>	(Linnaeus, 1758)	M, AAB	Im, AAB, inat, M	Im, inat, AAB, M	Im, inat, M, AAB	(yes)	yes	2022: Im; inat: (22),2018,23; Bee; AAB: 2012,13,14,17,19,22,23;

										BG19: (>200),common; CAS; LACM; SIO; USNM
EPHIPPIDAE	no	<i>Platax teira</i>	(Fabricius 1775)		Inat		Im			Im: 2025 (2)
EPINEPHELIDAE	yes	<i>Alphestes immaculatus</i>	Breder, 1936	Im, S, M	AAB	Im, AAB	Im, S, inat	Obs	yes	2022; Im,S(2); CPUM: (30); AAB: 2012,23; inat: (1); SIO: 1974(3)
	yes	<i>Cephalopholis colonus</i>	(Valenciennes, 1846)	Im, S, AAB, M, H	Im, AAB, inat	Im, S, AAB, inat, M, H	Im, S, AAB, M, H, CC10	Obs	yes	2022: Im,S(30),common; H: (20); AAB: 2012,13,14,17,19,22,23; inat (39); CC10: common; J&E; Rick; Bee; CAS; ANSP; LACM; CNPE; CPUM; USNM; MCZ
	yes	<i>Cephalopholis panamensis</i>	(Steindachner, 1877)	Im, S, M	AAB	Im, AAB, H, M	inat, S, AAB, CC10	Obs	yes	2022: Im,S(6),common; Inat: (4); H: (3); AAB: 2012,13,14,17,19,23; CNPE; CPUM, USNM; Rick (5); CC10: common; LACM

	yes	<i>Dermatolepis dermatolepis</i>	(Boulenger, 1895)	Im, S	Im	Im	Inat, S, M, CC10	Obs	yes	2022: Im,S(1); A&H; S&H; H; Rick: (5); CC10: Bee; Inat: (8); CPUM; USNM
	no	<i>Epinephelus analogus</i> #	Gill, 1863				M*, CC10	yes	yes	J&M: (2); CC10; USNM*: 1938 (1); CAS: 1897(1)lost; MNHN: Gulf of California
	yes	<i>Epinephelus clippertonensis</i> #	Allen & Robertson, 1999	Im, S	Im	Im, S	Im, S	Obs	yes	2022: Im(114),common; inat (15); CNPE; CPUM: ODDDNA (11)
	yes	<i>Epinephelus labriformis</i> #	(Jenyns, 1840)	Im, M	O	Im	Im, M, CC10?	Obs	yes	2022: Im(6),uncommon; CC10?: common; inat: (1); USNM; CNPE; CAS; LACM*; ODD: ODDDNA (3); MCZ
	yes	<i>Hyporthodus cifuentesi</i> #	Lavenberg & Grove, 1993	M, H	M	AAB15, M	CAS2016, G19	yes	yes	AO17: common; CAS2016; H video; VL common; AAB15 video; G19; SIO

FISTULARIIDAE	yes	<i>Fistularia commersonii</i>	Rüppell, 1838	Im, S, M, H, AAB, eDNA	AAB	Im, M, inat, H, AAB, eDNA	Im, S, M, inat, AAB, CC10	Obs	yes	2022: Im; Rick; CC10; H; inat: (6),2007,22,23,25; AAB: 2012,13, 14,17,23; SIO: 1974(1); LACM*: 1969(1),71(1); CPUM; eDNA: 54r CO1
	uncertain	<i>Fistularia corneta</i>	Gilbert & Starks, 1904	M*		M*	M*	yes	yes	SIO*: 1949(1); LACM*: 1952(3); deep living
GALEOCERDONIDAE	yes	<i>Galeocerdo cuvier</i>	(Peron & Lesueur, 1822)	Im, M, BG20,	O, AAB	Im, inat, BG20, AAB	Inat, M, BG20, AAB	Obs	yes	2022: Im,observe; AO17; BG20; AAB: 2012,13,14,17,19,23; LL18; Bee; inat: (8); SIO: 1966; CAS: 1932,46
GOBIESOCIDAE	yes	<i>Gobiesox canidens</i> #	(Briggs, 1951)	Im, S, ODD, BF	Im		S, ODD, inat	yes	yes	2022: Im,S(1),BFDNA; Rick: (3); inat: 2025(2); B51; SIO; CAS; CPUM: S(45),ODDDNA

	yes	<i>Tomicodon absitus</i> #	Briggs, 1955		S	S, Im, BF	B55, S, ODD, Im, inat	yes	yes	2022: Im,S,BFDNA; Rick: (2); B55; T-H; SIO; CAS; CPUM: S(22), ODDDNA; inat: 2024(1),25(3)
	yes	<i>Tomicodon</i> <i>species</i> #		S, Im, ODD						2022: Im,S; CPUM: S(52),ODDDNA
	no	<i>Tomicodon petersii</i>	(Garman, 1875)				M*	yes		LACM*: 1934(3); Briggs51: CAS specimens from Galapagos, not RNP
GOBIIDAE	yes	<i>Bathygobius</i> <i>ramosus</i> <i>longipinnis</i> #	Ginsburg, 1947	M, ODD			Gin, M, ODD, inat	yes	yes	Gin: (26); inat: (2); Rick: (3); C-B; CPUM*: S(15), ODDDNA; SIO; LACM; CAS; CNPE; USNM
	yes	<i>Chriolepis</i> species#		Im, S, M, BF		S, BF, M				2022; Im,S(2),BFDNA; CPUM: (1); SIO: 1955(39); LACM: 1939(8)lost,71(6)lost

	yes	<i>Coryphopterus urospilus</i> #	Ginsburg, 1938	Im, ODD, BV, M		Im, ODD	Im, ODD, M, CC10	yes	yes	2022: Im,S(30), common,BVDNA; CC10; LACM: 1971(78); CAS; 1940(1); CPUM: (27),ODDDNA
	yes	<i>Lythrypnus cf dalli</i> #		S, Im, BF						2022: Im, S(2),BFDNA
	yes	<i>Lythrypnus insularis</i> #	Bussing, 1990	B90, Im, S, ODD, M		Im, S	B90, Im, S, ODD, M	yes	yes	2022: Im,S(35),common,BFDNA; B90: (87); LACM; SIO; USNM; UBC; CPUM: S(29), ODDDNA;
	yes	<i>Schindleria praematura</i>	(Schindler, 1930)	M, eDNA, DNA			M	yes	yes	SIO: 1955(100); CMNFI: 1954(3); ROM: 1958(8); MLZ: 1946,55(12); LACM: 1955(5); BVDNA; eDNA 274r, 16S
GRAMMISTIDAE	yes	<i>Pseudogramma thaumasia</i>	(Gilbert, 1900)	S	Im, S, M	M,S	O, M	yes	yes	2022: Im,S(5); SIO: 1992(1); LACM: 1971(2); CPUM: (8)
	yes	<i>Rypticus courtenayi</i> #	McCarthy, 1979	M79, Im, S, inat, M	Im, S, inat, AAB	M79, Im, S, M, AAB, BF	M79, Im, S, inat, M, CC10	yes	yes	2022: Im,S(10), BFDNA, common; CPUM: (12),ODDDNA; inat: 2018(3),23(1),24(1); M79: (80);

										AAB: 2013,17,22,23; Rick; CC10; LACM: 1971(21); SIO*: 1953(2), 55(21); CMNFI*: 1954(17),56(4), 57(15),59(17),63(21),72(34),74(1); USNM (7); CAS: 2002(1); CNPE
	no	<i>Rypticus nigripinnis</i> #	Gill, 1861				M*	yes	yes	LACM*: 1971(1)
HAEMULIDAE	yes	<i>Anisotremus perezponcedeleoni</i> #	Acevedo- Álvarez, Ruiz- Campos & Domínguez- Domínguez, 2021	A-A21, AAB, H. inat	M, AAB, inat	C-B, Im, S, AAB, inat	A-A21, Im, S, AAB, inat, CC10	yes	yes	2022: Im,S(4); inat:(8) aggregations; CPUM: (15),ODDDNA; H video; AAB: 2012,13,14,17,23; J&M; A-A21: (15); Rick; CC10; LACM; SIO; CAS; CMNFI; CNPE
	no	<i>Anisotremus taeniatus</i> #	Gill, 1861			AAB		Obs	yes	AAB: 2012 (observe only)

	no	<i>Orthopristis cantharina</i> #	(Jenyns, 1840)			AAB15: Im		doubt		AAB15 video (2)
HEMIRAMPHIDAE	uncertain	<i>Hemiramphus saltator</i>	Gilbert & Starks, 1904				inat	(yes)	yes	Inat: 2025 (1)
HOLOCENTRIDAE	yes	<i>Myripristis berndti</i>	Jordan & Evermann, 1903	Im, S	Inat, Im	Im, S, inat	Im, S, inat	Obs	yes	2022: Im,S(18),common; Inat: (5),2017,23; CNPE
	yes	<i>Myripristis clarionensis</i> #	Gilbert, 1897	Im, S , M, inat	Im, S, M	Im, S, M	Im, S, M, inat, CC10	Obs	yes	2022: Im,S(8),common; Rick; CC10; inat: (4),2024; G65; SIO: 1955(17),56(2),70(16),74(34), 87(4); LACM: 1971(92), 79(2),80(4); CAS: 1897(1), 1925(45), 32(13),55(25),56(1); UBC; CMNFI; CNPE; CPUM, UF; USNM
	no	<i>Myripristis leiognathus</i> #	Valenciennes, 1846		S, Im		M*, Im, CC10,	Obs	yes	2022: S(1),Im; CC10; CMNFI*; G65

							G65			
	yes	<i>Neoniphon suborbitalis</i>	(Gill, 1863)	Im, S, M	M	Im	Im, S, M, CC10	Obs	yes	2022: Im,S(22); S&H; Rick; Bee; CAS: 1953(16); SIO: 1954(7),55(6), 56(1),70(1),72(2),74(4); CMNFI; CNPE; CPUM
	yes	<i>Plectrypops lima</i>	(Valenciennes, 1831)	Im, S		M		yes	yes	2022: Im,S(1); LACM: 1971(6)
KUHLIIDAE	yes	<i>Kuhlia mugil</i>	(Forster, 1801)	C-B, Im, S, BV, inat, M		M	O, S, CC10; inat, M	yes	yes	2022: Im, S(5),schools,BVDNA; CC10; inat: (schools), 2023,24,25; J&M: (31); Rick: (10); C-B; Bee; CNPE; CMNFI; SIO: 1946(7), 53(23),55(41),57(2),64(4), 70(1),72(40); CAS: 1889(14), 1925(20),32(4),53(2); FMNH; LACM: 1929(2),39(9),46(5),53(8), 71(149); USNM; MCZ

KYPHOSIDAE	yes	<i>Kyphosus elegans</i>	(Peters, 1869)	Im, S	Im, AAB, inat	Im, AAB, inat	Inat, S, AAB, M, inat	Obs	yes	2022: Im,S,common; CC10; AAB: 2012,14,19,23; inat: (7), 2007,17, 20,24; J&E; Rick; LACM;CAS; SIO: 1955(9),73(14); CPUM
	yes	<i>Kyphosus ocyurus</i>	(Jordan & Gilbert, 1882)	S, AAB, M, inat	Im, AAB, inat	Im, AAB	Im, S, M	Obs	yes	2022: Im,common; AAB: 2013,23; inat: (2),2016,23; CPUM; SIO:1955(4),73(1)
	yes	<i>Kyphosus sectatrix</i> #	(Linnaeus, 1758)	Im, S, AAB, M	Im, AAB, inat	Im, AAB, M, inat	Im , S, AAB, M, inat	Obs	yes	2022: Im,S,common; CC10; Rick; AAB: 2012,13,14,17,19,22,23,24; inat: (14), 2016,17,18,21; Bee; CAS; SIO: 1948(1),51(1),54(2),55(2), 57(1),55(5),72(3),74(6); LACM; CPUM; USNM
	yes	<i>Kyphosus vaigiensis</i>	(Quoy and Gaimard, 1825)	S, Im, J&M, M, inat	AAB	AAB, inat, observe	AAB, S, M, inat, J&M	Obs	yes	2022: Im,S(3),observe; CC10; inat: 2021 (1),25(2); AAB: 2014,17,23; Fourr: observe 2007,12-13; J&M:

							observe, inat			1897(8); SIO: 1955(1); CNPE; CPUM: (4), USNM
LABRIDAE (LABRINAE)	yes	<i>Bodianus diplotaenia</i>	(Gill, 1862)	C-B, Im, S, AAB, inat, M	Im, AAB, inat	Im, AAB, H, M	Im, S, H, AAB, M, CC10	Obs	yes	2022: Im,S(7),common; AAB: 2012,13,14,17,19,22,23; J&M; H; inat: (8),2006,07,11,15,18,23; Rick; C-B; CC10; Bee; CNPE; SIO; USNM; CMNFI; CAS; LACM; MCZ; CPUM
	uncertain	<i>Halichoeres adustus#</i>	(Gilbert, 1890)	S	AAB		Gil90, Im, S, CC10, inat , M	Obs	yes	2022: Im(1); iNat: (2),2025; CC10; AAB: 2025(1); Gil90: S(3); Fourr: observe 2010,12; CAS: (2); USNM (2)
	yes	<i>Halichoeres insularis#</i>	Allen & Robertson, 1992	Im, S, AAB	AAB	Im, BV, BOLD, AAB	A&R92a, Im, M, AAB, inat, CC10	Obs	yes	2022: Im,S(3),abundant,BVDNA; inat: schools; A&R92a: S(10); BOLD(10); CC10: common;

										CNPE;USNM; CPUM; LACM*; AAB: 2013,17,22,23
	yes	<i>Halichoeres nicholsi</i> #	(Jordan & Gilbert, 1882)	C-B, Im, S, ODD, M		Im, S, inat	J&G, Im, S, ODD, inat, M, CC10	Obs	yes	2022: Im(102),S(14),common; CC10: common; inat: (4), 2007,17; J&G; C-B; Bee; CNPE; CAS; SIO; CPUM: (27),ODDDNA; LACM; CMNFI; USNM
	yes	<i>Halichoeres notospilus</i>	(Günther, 1864)	M, J&M			Rick; Im, S, inat, M, CC10	Obs	yes	2022: Im(1); inat: (2),2024; CC10; J&M: several; Rick(4); LACM: 1955(1); CPUM(1); CMNFI: 1954(7),57(6),59(5),63(4); CAS: 1925(1),59(8); SIO: 1955(2);
	yes	<i>Halichoeres sanchezi</i> #	Victor, Frable & Ludt, 2024			Vetal, Im, S	Vetal, Im, CC10?			2022: Im,S; Vetal: S(9); CC10: as <i>H. melanotis</i> ?
	uncertain	<i>Iniistius pavo</i> #	(Valenciennes, 1840)	Im		Im	Im, AAB	Obs	yes	2022: Im(3); AAB: 2023(1); Fourr: observe 1990s

	yes	<i>Novaculichthys taeniourus</i>	(Lacepède, 1801)	Im		Im, inat, S	Im, inat, AAB	Obs	yes	2022: Im(3),S(1); Inat: (3), 2016,24; AAB: 2023
	yes	<i>Stethojulis bandanensis</i> #	(Bleeker, 1851)	O, S, inat		Im, eDNA	Im, S, inat, eDNA	yes	yes	2022: Im(2),observe(1); inat: (2), 2007; CPUM: (8); eDNA: 28r CO1
	yes	<i>Thalassoma grammaticum</i>	Gilbert, 1890	Gil, C-B, Im, S, M, AAB	Inat, AAB	Im, inat, H, AAB	Gil, Im, S, inat, AAB, M, CC10	Obs	yes	2022: Im, S(4),common; H; inat: aggregations, 2016,18,23,24; AAB: 2012,13,14,17,19,22,23; J&M: numerous; Rick: (6); Bee; CC10 common; LACM; CAS; USNM; SIO: 1953(58), 55(140),56(4),70(68),72(18),74(1); ANSP; CPUM; CMNFI; CNPE
	yes	<i>Thalassoma lucasanum</i>	(Gill, 1862)	Im, S, AAB	AAB	Im, AAB, inat, M, H	Im, S, AAB,	Obs	yes	2022: Im,common,schools; inat: schools; H; Rick; SIO; CAS;

							inat, M, CC10			AAB: 2012,13,14,17,19,22,23; CPUM; CC10: common; LACM; CMNFI;
	no	<i>Thalassoma purpureum</i>	(Forsskål, 1775)	Im						2022; Im (1)
	yes	<i>Thalassoma virens</i> #	Gilbert, 1890	Im, S, inat, M	Im	Im, M	Gil, Im, S, inat, M, CC10	Obs	yes	2022: Im; AAB: 2013,17,23; inat; (13),2017,22,24,25; Gil; J&E; Bee; CC10; SIO; CAS; MCZ; CMNFI; CPUM: (70); USNM
	yes	<i>Xyrichtys species</i> #		ODD			Im, Gotshall	yes	yes	2015: Im; Gotshall: Im ~1990; ODD observe
(SCARINAE)	yes	<i>Calotomus carolinus</i>	(Valenciennes, 1840)	Im, S, AAB, M,Gil90	AAB, inat	Im, AAB, inat,	Im, S, M, AAB, inat, Gil, CC10	Obs	yes	2022: Im,S(3),common; J&E; CC10; inat: (6),2020,23,24; AAB: 2012.13.14, 17,19,23; Gil90: S(3), common; LACM: 1971(4); SIO: 1974(7); CNPE; CMNFI*;

										CPUM*; CAS: 1889(1),32(1); USNM* (2)
	no	<i>Scarus compressus</i>	(Osburn & Nichols, 1916)	Inat			M, S, inat, Im, CC10	Obs	yes	2022: Im; CC10; LACM: 1971(2); CPUM: (1); inat: 2021,22,23
	no	<i>Scarus ghobban</i>	Forsskål, 1775	M			Im, inat, AAB, CC10	Obs	yes	2022: Im; CC10; Inat: (1); AAB: 2017; CAS: 1925(1)
	yes	<i>Scarus rubroviolaceus</i>	Bleeker, 1847	Im, S, AAB, BV	Inat, AAB	Im, S, AAB, inat	Im, S, CC10, inat, AAB	Obs	yes	2022: Im,S(16),common; BVDNA; AAB: 2012,13,14,17,19,23; CC10; Inat: (24),school; SIO; LACM; CNPE; CPUM
LABRISOMIDAE	yes	<i>Labrisomus socorroensis#</i>	Hubbs, 1953	M, S, inat	M	Im	M, H53, S	yes	yes	2022: Im(1); Rick: (5); H53: (2); SIO: 1953(3),54(1),55(14),56(2), 70(1),73(3),74(1); LACM*; UBC; CMNFI; CAS; CPUM

	no	<i>Malaccoctenus hubbsi</i>	Springer, 1959	M*						UBC*: ID confirmed by R. Rosenblatt
LAMNIDAE	no	<i>Carcharodon carcharias</i>	(Linnaeus, 1758)		BG20			yes	yes	BG20: observe
LATILIDAE	uncertain	<i>Caulolatilus affinis</i>	Gill, 1865	M*			M*	yes	yes	LACM*: 1978(1),80(1); LACM: 1979 Hurricane Bank is outside RNP
	uncertain	<i>Caulolatilus princeps</i>	(Jenyns, 1840)				G19	yes	yes	G19: video (1)
LOBOTIDAE	no	<i>Lobotes pacifica</i>	Gilbert, 1898				M*	(yes)	yes	LACM*: 1979(1)
LUTJANIDAE	no	<i>Hoplopagrus guentherii</i> #	Gill, 1862			Observe		Obs	yes	Fourr: 2012-13 observe, no voucher
	no	<i>Lutjanus aratus</i>	(Günther, 1864)	S						2022: BVDNA (2 juvenile recruits)
	no	<i>Lutjanus argentiventris</i> #	(Peters, 1869)	Im, AAB, inat		H, AAB, Im	AAB, inat	Obs	yes	2022: Im(1); H: video (1); AAB: 2013,17,19,23,24

	no	<i>Lutjanus inermis</i> #	(Peters, 1869)				CC10	Obs	yes	CC10: observe, common, no voucher
	yes	<i>Lutjanus peru</i>	(Nichols & Murphy, 1922)				AAB, M*, G19	yes	yes	AO17: mesophotic-abundant; AAB: Im; G19; LACM*
	yes	<i>Lutjanus viridis</i>	(Valenciennes, 1846)	C-B, M, Im, S	Im, inat	Im, S, inat	Im, S, inat, M, CC10	Obs	yes	2022: Im,S(4),common; Bee; inat: schools; Rick: (7); LACM; CC10: common; SIO; CMNFI; CAS; MCZ; ANSP; CNPE; CPUM; USNM
MOBULIDAE	yes	<i>Mobula birostris</i>	(Walbaum, 1792)	Im, inat, AAB	Im, inat, AAB, BG20	Im, BG20, AAB, inat	Im, BG20, AAB, inat	(yes)	yes	2022: Im,common; BG20; SIO; AAB: 2012,13,14,17,19,23; inat: 2006-25,Im(160); AO17: common;
	no	<i>Mobula tarapacana</i> #	(Philippi, 1893)		BG20, AAB	Inat, AAB	AAB	(yes)	yes	BG20; inat: 2021(1); AAB: 2022,23
	no	<i>Mobula thurstoni</i> #	(Lloyd, 1908)	Im	Stevens	eDNA				2022: Im(1); Stevens:2018 video(~25), eDNA: 6r CO1

MONACANTHIDAE	uncertain	<i>Aluterus monoceros</i> #	(Linnaeus, 1758)		AAB	Im, M, AAB	Im, AAB, inat	Obs	yes	2022: Im(2); SIO: 1951(4); inat: 2024(1); AAB: 2013,14,17,23,24; Fourr: observe 2012-13
	yes	<i>Aluterus scriptus</i>	(Osbeck, 1765)	Im, S, M	Im, AAB, inat	Im, AAB, M	Im, S, M, AAB, inat, CC10	yes	yes	2022: Im; CC10; J&M: 1897(13); AAB: 2013,14,17,22,23; inat: (11); Rick: (6); Bee; CMNFI: (8); CAS: (4); LACM: (4); SIO: (5); CPUM
	yes	<i>Cantherhines dumerilii</i>	(Hollard, 1854)	Im, S, M	Im, AAB, inat	Im, AAB, M, H	Im, S, H, M, AAB, inat, CC10	Obs	yes	2022: Im,S(3); CC10: common; AAB: 2013,17,19,23; H: (3); inat: (8); J&M: (2); Rick: (4); LACM: (10); SIO: (4); CMNFI: (10); CAS: (1); CNPE; CPUM
MUGILIDAE	yes	<i>Chaenomugil proboscideus</i>	(Günther, 1861)	C-B, inat, BV, M		M	BV, M, inat	yes	yes	2022: S,BVDNA; Sch46; C-B; inat: 2025(school),25(1); Rick: (6); Bee; SIO: 1955(47),58(1),74(43); LACM: 1953(2),54(5),55(2),56(4),

										71(3),74(4),78(7); CAS: 1889(1), 1925(41), 32(21),40(1),36(1), 55(16); USNM (55); CMNFI; FMNH; MCZ; CPUM; MCZ
	uncertain	<i>Mugil cephalus</i> #	Linnaeus, 1758				Inat			Inat: 2021,23,24 (school),25; MNHN: Gulf of California
	yes	<i>Mugil setosus</i> #	Gilbert, 1892	M, S, Gil92			M*, Im, S	yes	yes	Br19: (9); Gil92: abundant; S&H; S&S: (1); Rick: (2); Bee; SIO: (6); MCZ: (1); CMNFI: (5); CAS: (16); LACM*: (5); USNM; CPUM: Im(4)
MULLIDAE	yes	<i>Mulloidichthys</i> <i>dentatus</i>	(Gill, 1862)	C-B, Im, S, AAB, M	O, inat	Im, S, AAB	Im, S, M, AAB, CC19, inat, CC10	Obs	yes	2022: Im,S(5); Rick: (3); C-B; AAB:2012,13,14,17,19,22,23,24,25; inat: 2007(15),20,24,25; CC10: common; CNPE; CPUM; LACM: 1971(24); CMNFI: (42); CAS: (1); SIO*; LACM: (24); USNM

MURAENIDAE	yes	<i>Anarchias galapagensis</i>	(Seale, 1940)	M*			M*	yes	yes	LACM*: 1939(12),71(4); CNPE; SIO: 1974(1)
	yes	<i>Echidna nebulosa</i> #	(Ahl, 1789)	Im, S, inat, M			inat, S	yes	yes	2022: Im; inat: (3),2019,22,23; CPUM: 2015 (5); USNM
	yes	<i>Echidna nocturna</i> #	(Cope, 1872)	M, S, inat		O	M, S, inat	Obs	yes	2022: observe; Bee; J&M: (8); inat: 2025(2); SIO: 1955(1); USNM: Albatross 1889, unreliable; CAS: 1897,1925,79(10); CPUM: 2015,16,23 (20)
	yes	<i>Enchelycore octaviana</i>	(Myers & Wade, 1941)	Im, S	AAB	O	M, S, inat	Obs	yes	2022: Im,observe; inat: 2024(1); AAB: 2013,17,23; LACM: 1971 (1); CPUM: (3)
	yes	<i>Gymnomuraena zebra</i>	(Shaw, 1797)	Im, S, inat, AAB		Inat, AAB	Im, CC10	Obs	yes	2022: Im; CC10; Inat: 2018,24(2); AAB: 2013,23; CPUM

	yes	<i>Gymnothorax castaneus</i>	(Jordan & Gilbert, 1883)	AAB, S	Im, inat, AAB	Im, inat, AAB	Im, inat, S, AAB, CC10	Obs	yes	2022: Im; CC10; SIO: (2); CPUM; inat: (13),2011,15,16, 17,18,21, 22,23; AAB: 2012,13, 14,17,19, 22,23; CNPE
	yes	<i>Gymnothorax dovii</i>	(Günther, 1870)	Im	Im. inat, AAB	Im	M, inat	Obs	yes	2022: Im; AAB: 2022,23; inat: (6)2011,16,18,20, 25; Rick: (1); LACM: 1954(1); CMNFI: 1955(1)
	no	<i>Gymnothorax flavimarginatus</i> #	(Rüppell, 1830)	eDNA, inat			Im, S	yes	yes	2022: Im; CPUM: (2); eDNA: 31r CO1
	yes	<i>Gymnothorax panamensis</i>	(Steindachner, 1876)	Im, S, M, BV	Im, inat	Im, M	Im, S, M	yes	yes	2022: Im,S,BVDNA; inat: 2024(1); Rick: (3); CPUM; CMNFI: 1954(5), 57(3),59(4),61(9); SIO: 1953(2), 55(3),56(1),70(1); CAS: 1925(1), 55(4); LACM: 1953(2),71(10)

	no	<i>Gymnothorax pictus</i>	(Ahl, 1789)	J&M, B&R				yes	yes	J&M (2); CAS: B&R*: (1)
	no	<i>Gymnothorax verrilli</i>	(Jordan & Gilbert, 1883)	BV						2022: BVDNA (1 juvenile recruit)
	yes	<i>Muraena lentiginosa</i>	Jenyns, 1842	O		AAB, Im	M, S, CC10	Obs	yes	2015(1); Rick: (3); SIO: 1955(3); AAB: 2012,14,19; CC10; CPUM; LACM: 1953,55(3); CMNFI: 1954,57,59,61(59)
	yes	<i>Scuticaria tigrina</i>	(Lesson, 1828)	Im, S, inat, M, eDNA	eDNA	Im, inat	CC10, Im, inat, eDNA	Obs	yes	2022: Im (12); inat: (5) 2016,23; LACM: 1971(2); SIO: 1955(1); CC10; CPUM: (3); eDNA: 686r CO1
	yes	<i>Uropterygius macrocephalus</i>	(Bleeker, 1865)	M, BV, inat			S, M*, Im	Yes	yes	2022: S,BVDNA; Rick: (4); Inat: (2); CMNFI*: (55); SIO: (14); CAS: (8); LACM: (12); CPUM: S(12),Im

NARCINIDAE	yes	<i>Diplobatis ommata</i>	(Jordan & Gilbert 1890)			BG20	Inat, observe, BG20			2022: observe (1); iNat: 2006 (1); BG20
	yes	<i>Narcine entemedor</i>	Jordan & Starks, 1895	Inat		Im, inat, AAB	Im, inat, S, CC10	Obs	yes	2022: Im,observe; CC10; BG20; inat: (29)2006,16,17,22,23,24,25; AAB: 2012,23; SIO: 1973(1); LACM: 1971(4); CPUM: (8)
OPHICHTHIDAE	yes	<i>Ichthyapus selachops</i>	(Jordan & Gilbert, 1882)	M*, BVDNA				yes	yes	LACM*: 1939 (5); 1971 (2); BVDNA
	yes	<i>Myrichthys pantostigmus</i> #	Jordan & McGregor, 1898	J&M, C-B, Im, S, inat		Im, inat	CC10, inat, S	Obs	yes	2022: Im; J&M; C-B; CC10; Inat: (13), 2015,16,18,23; CAS: 1897(1), 1975(5); CPUM; SIO*; LACM*; CMNFI: 1954(1),59(2), 61(2)
	uncertain	<i>Paraetharchus opercularis</i>	(Myers & Wade, 1941)	M*				yes	yes	LACM*: 1939 (1)

	yes	<i>Quassiremus evionthas</i>	(Jordan & Bollman, 1889)	Im, H: Im						2022: observe (1); H: video (2)
OPHIDIIDAE	yes	<i>Brotula ordwayi</i> #	Hildebrand & Barton, 1949		M*		CAS2016	yes	yes	LACM*: 1991 (1); CAS2016: Im(1)
OSTRACIIDAE	yes	<i>Lactoria diaphana</i>	(Bloch & Schneider, 1801)	Im, S	M		M*, inat	yes	yes	2022: Im,S; inat: 2025 (1); CAS: 1929(2),54(1),71(1); LACM*: 1955(1); SIO: 1954(1),55(8), 73(28),79(9)
	yes	<i>Ostracion meleagris</i>	Shaw, 1796	Im, S, M	O, inat	Im, M, inat	Im, S, M, inat, CC10	Obs	yes	2022: I, S(26); CC10: common; inat: (6)2007,18, 20,23,24; Rick: (3); LACM: 1952(1),71(7); CNPE; CPUM; SIO: 1952(1),70(1), 72(1),74(2); CMNFI: 1954(2),57(3), 59(7),63(11); CAS; (2)

POMACANTHIDAE	yes	<i>Holacanthus clarionensis</i> #	Gilbert, 1891	Im, S, Gil, inat, M	Im, inat, Gil	Im, inat, M	Im, inat, M, Gil, CC10	Obs	yes	2022: Im,S(4)common; inat: (59), schools; Gil: abundant; Rick: (9); CC10: common; Bee; LACM; SIO; CMNFI; CAS; FMNH; ANSP; CNPE; USNM; MCZ
	no	<i>Holacanthus passer</i> #	Valenciennes, 1846	O, S	Im	O	O, S, M	Obs	yes	2015: Im(1); CPUM: (2); CMNFI: 1963 (1); MNHN: Gulf of California
	no	<i>Pomacanthus zonipectus</i>	(Gill, 1862)			AAB	M*	Obs	yes	UBC*1968(3); AAB: 2012(1)
POMACENTRIDAE	yes	<i>Abudefduf troschelii</i>	(Gill, 1862)	Im, S, inat, M, BV		Im, M	Im, S, BV, inat, M, CC10	Obs	yes	2022: Im,S(8),common;BVDNA; Rick: (5); CC10: common; Bee; Inat: schools; CMNFI; SIO; CAS; FMNH; LACM; CNPE; CPUM; USNM; MCZ

	uncertain	<i>Azurina atrilobata</i> #	Gill, 1862	BV	AAB	Im, S, AAB	M	Obs	yes	2022: Im (1),S(1), BVDNA; AAB: 2012; CMNFI: 1957(3); Fourr: observe (2007,10,12-13); Rick: (1); LACM: 1979(1)
	yes	<i>Azurina hirundo</i> #	Jordan & McGregor, 1898	M	Im, AAB M		Im, AAB, M, inat, CC10	Obs	yes	2015: Im; 2022: not observe; inat: schools, 2024,25; AAB: 2012,13, 17,23 (abundant),24, Im & video, CC10: common; J&M; SIO: 1972(1),74(4); CAS: 1925(2),32(4)
	yes	<i>Chromis alta</i>	Greenfield & Woods, 1980	H	AAB15: Im	Im, M	Im	Obs	yes	2022: Im; AAB15: video, common; H & VL: common; SIO: 1988(1)
	yes	<i>Microspathodon bairdii</i>	(Gill, 1862)	M, S		Im, M	S, M, inat	Obs	yes	2022: Im; inat (2); J&M: (3); Rick: (2); LACM: 1953(1),55(8),71(3); CMNFI: 1957(2),61(1); CAS: 1925(7),97(2); SIO: 1953(2),70(1); CPUM: (10)

	yes	<i>Microspathodon dorsalis</i>	(Gill, 1862)	S, inat, M, Gil	Im, AAB	Im, S, M	Im, S, inat, Gil, AAB, M, CC10	Obs	yes	2022: Im, S(4); Gil; AAB: 2012,13,17; inat: (5); CC10; J&M: (10); Rick: (8); CMNFI; ANSP; LACM: 1953(1), 55(4),71(24); CAS: 1897(1),1925(13),53(1),55(6); SIO: 1946(50),56(3),70(10); CNPE; UF; CPUM; USNM
	no	<i>Stegastes acapulcoensis</i> #	(Fowler, 1944)			S, Im, BF		yes	yes	2022: Im,S(2), BFDNA
	no	<i>Stegastes flavilatus</i> #	(Gill, 1862)	S, M, BV	AAB	Im, S, AAB	Inat, AAB, M, CC10	Obs	yes	2022: Im,S(6 small juveniles); BVDNA; CC10; inat: (1) 2007; AAB: 2012,13,14,19; Rick: (8, ID?)
	yes	<i>Stegastes leucorus</i>	(Gilbert, 1892)	AAB, S, M, inat	Im, AAb	Im, S, inat, AAB, M, H	Im, S, AAB, M, Gil92, CC10	Obs	yes	2022: Im,S(19),common;J&M: (16); CC10: common; Gil92; H; Rick: (10); CMNFI; SIO; CAS; CNPE; Bee; LACM; CPUM; USNM;

										AAB: 2012,13,14,17,18, 22,23; inat: (15), 2002,16,18,23
	no	<i>Stegastes rectifraenum</i> #	(Gill, 1862)	M			M	Obs	yes	UBC transferred to CMNFI: S (18); Fourr: cite LACM, but not in catalog.
	yes	<i>Stegastes redemptus</i> #	(Heller & Snodgrass, 1903)	H&S, Im, S, M		H&S, Im, S, M	H&S, Im, S, inat, M, BV, CC10	Obs	yes	2022: Im, S(6),common; BVDNA: inat: (10); AAB: 2012,13,14,17,19; CC10; H&M: (21); Rick: (3); LACM; SIO; CMNFI; CAS; FMNH; CNPE; CPUM; USNM
PRIACANTHIDAE	yes	<i>Cookeolus japonicus</i>	(Cuvier, 1829)	M*		M*	M*	yes	yes	Starnes*: CAS(3), LACM(9); SIO*: 1987(1)
	yes	<i>Heteropriacanthus carolinus</i> #	(Cuvier, 1829)	Im, S, H, M		Im, S, inat, M	S, inat, M	Obs	yes	2022: Im,S(25); Inat: (3),2017,24; H; Starnes: CAS(8),LACM(33); J&M: (4); Bee; Rick: (5); SIO; CMNFI; CNPE

	yes	<i>Priacanthus alalaua</i> #	Jordan & Evermann, 1903	M	M	M	M	yes	yes	F&C84: (~20); Starnes*:(5); LACM*: (16), Im
	yes	<i>Pristigenys serrula</i> #	(Gilbert, 1891)	H: Im				yes	yes	Starnes: mention; H video: 2018(3); MNHN: Gulf of California
RHINCODONTIDAE	yes	<i>Rhincodon typus</i>	Smith, 1828	BG20	Im, AAB, inat	Im, AAB, inat	Im, AAB, inat	(yes)	yes	2022: Ims; AAB: 2013,14,17,19,22, 23; inat: (5),2015,18,19,24; BG20
SCIAENIDAE	yes	<i>Pareques species</i> #		Im, S, M, BV		Im, S, M, BOLD	M, S	yes	yes	2022: Im,S(6),BVDNA (2); Rick: (4); M61 (11); BOLD: 1994(2); UBC(9); LACM: 1955(2),71(10); SIO: 1956(1),70(4),74(1); CMNFI: 1954(1),57(7),61(5),63(3); CPUM: (2)
SCOMBRIDAE	yes	<i>Acanthocybium solandri</i>	(Cuvier, 1832)	O, M, eDNA	Im, AAB, inat, eDNA	Im, AAB, inat, M, eDNA	inat, M	(yes)	yes	2022: Im,observe; Rick: (2); Bee; Inat: (16), 006,15,16,18,22,24; AAB: 2013,14,17,19,22,23; AO17;

										SIO; 1946(1),51(2),53(2),67(1), 74(2); CPUM: (4); eDNA: 75r CO1
	yes	<i>Auxis brachydorax</i>	Collette & Aadland, 1996		M, eDNA	Im, eDNA	M	(yes)	yes	2022: Im,school; LACM: 1969(2), 71(1); eDNA: 12r CO1
	no	<i>Euthynnus affinis</i>	(Cantor, 1849)	M*				(yes)	yes	SIO*: 1986(1); IATTC: rare
	yes	<i>Euthynnus lineatus</i>	Kishinouye, 1920	O	Inat, M, AAB	Im, AAB	O, M, AAB	(yes)	yes	2022: Im,school,observe; UBC:1957; inat: 2016,18,schools; Rick: (2); SIO: 1958(2); CPUM; (2) IATTC: multiple records; AAB: 2017,22,23
	yes	<i>Katsuwonus pelamis</i>	(Linnaeus, 1758)	Bee	Im, eDNA			(yes)	yes	2022: Im,school; S&H; Bee; LACM: 1953; IATTC: multiple records; eDNA: 376r CO1
	yes	<i>Scomber australasicus#</i>	Cuvier, 1832	M*	M		M*	(yes)	yes	SCG98; C&G19; SIO*: 1953(1),55 (59),54(1),74(2),87(1)

	no	<i>Scomber japonicus</i> #	Houttuyn, 1782	M			M	(yes)	yes	Coll; C&G19; CAS: 1925(4)
	yes	<i>Thunnus albacares</i>	(Bonnaterre, 1788)	O, inat	Im, S, inat, AAB	AAB	Inat, AAB, BV	(yes)	yes	2022: Im,observe; BVDNA; AAB: 2017,22,23; Bee; Rick; AO17; inat: (14, include school - YF school); SIO; IATTC: common
SCORPAENIDAE	yes	<i>Pontinus vaughani</i>	Barnhart & Hubbs, 1946	M	AB15	M*, AB15	M, AB15	yes	yes	AB15: videos,common,Im(3); SIO*: 1971(1),90(4); LACM: 1978(4),79(1),85(1)
	yes	<i>Scorpaena afuerae</i> #	Hildebrand, 1946		AAB		CAS2016			CAS2016: 2016 video (1); AAB15; AAB2014 video (1)
	uncertain	<i>Scorpaena histrio</i>	Jenyns, 1840		AAB		CC10	Obs	yes	CC10: 2008 observe, no voucher; AAB15: 2014 video (1); MNHN: Gulf of California
	yes	<i>Scorpaena mystes</i>	Jordan & Starks, 1895	Im, S, M		Inat, M	Inat, S, M, H, CC10	Obs	yes	2022: Im; Inat; (10),2005,15,16,19, 20,21,23,25; H; CC10; Rick: (2);

										UBC: (2); LACM: 1971(2),79(1); CAS: (1); SIO: 1955(1); CPUM: (9); UBC*
	yes	<i>Scorpaenodes xyris</i> #	(Jordan & Gilbert, 1882)	Im, S	O, S	Im, S	Im, S	yes	yes	2022: Im,S(9),Scommon; J&M: (3); Rick: (1); LACM: 1971(4); CAS: 1925(4); CPUM:S(44)
SERRANIDAE	uncertain	<i>Serranus aequidens</i> #	Gilbert, 1890	eDNA			M*	yes		USNM*: 1934(2); eDNA: 9r CO1
	yes	<i>Serranus socorroensis</i> #	Allen & Robertson, 1992	Im, S, H	AAB	Im, S, AAB	A&R92b, Im, S, AAB	yes	yes	2022: Im,S(10); A&R92b: (5); AAB: 2012,19; H; USNM; LACM: SIO: 1988(7),90(5)
SOLEIDAE	yes	<i>Aseraggodes herrei</i> #	Seale, 1940	Im, S, M, BF		S	M, S, Im	(yes)	yes	2022: Im,S(5),BFDNA; LACM: 1971(3); SIO; 1977(2); CPUM: Im, (3)

SPHYRNIDAE	yes	<i>Sphyrna lewini</i>	(Griffith & Smith, 1834)	O	Im, inat, AAB, BG20	Im, BG20, AAB, inat	Inat, AAB, BG20, inat	Obs	yes	2022: Im,observe; AO17: common; AAB; 2012,14,14,17,19,22,23; BG20; Inat: (40), 2011,15,16,17, 18,20,21,23,24; LACM: 1955(1)
SYNGNATHIDAE	yes	<i>Bryx veleronis</i> #	Herald, 1940	H40, Fr80, M*, S, BV			M*, H40, Fr80, BV	yes	yes	2022: Im,S(30),BVDNA; H40: (18); Fr80: (23); LACM*: 1934(15); SIO: 1955(1)
	yes	<i>Doryrhamphus melanopleura</i> #	(Bleeker, 1858)	Im, S, M, BF, Fr80, D81, ODD	O	Im, S, ODD, BF	Im, S, M, Fr80, D81, ODD, BF	Obs	yes	2022: Im,S(4),observe,BFDNA; Fr80: (28); D81: (28); Rick: (2); SIO: 1956(1),72(6),74(2); LACM; CAS; CPUM: (27),ODDDNA
	no	<i>Syngnathus auliscus</i>	(Swain, 1882)	M*				(yes)	yes	SIO*: 1958(1); MNHN: Gulf of California
SYNODONTIDAE	uncertain	<i>Synodus lacertinus</i>	Gilbert, 1890	Im		S	Im, BV	yes	yes	2022: Im (2),S(1),BVDNA of recruit; LACM: 1971(2); not observed by VL & H

TETRAODONTIDAE	yes	<i>Arothron hispidus</i>	(Linnaeus, 1758)	O, S		Im, S	O	Obs	yes	2022: Im,S(5); CPUM: (6); Fourr: observe late 1990s
	yes	<i>Arothron meleagris</i>	(Lacepède, 1798)	C-B, Im, S, M	O, inat	Im, inat, M	Im, S, inat, M, CC10	Obs	yes	2022: Im,S(26),common; inat: (23) Rick: (8); CC10: common; Bee; CNPE; SIO; USNM; CMNFI; CAS; LACM; MCZ; CNPE; ANSP; CPUM
	yes	<i>Canthigaster janthinoptera</i> #	(Bleeker, 1855)	Im, S, ODD			Im, S, ODD, inat			2022: Im(6); inat: 2016(1); CPUM: S(2)ODDDNA
	yes	<i>Canthigaster punctatissima</i> #	(Günther, 1870)	Im, S, ODD, BF	O, S, inat	Im, S, ODD, inat	Im, S, ODD, CC10, inat	Obs	yes	2022: Im(5),S(1),BFDNA; CC10; inat: 2016(2),18(1),20(1),24(1); Rick; CMNFI; SIO; LACM; CNPE; CPUM: ODDDNA(6)
	yes	<i>Sphoeroides lobatus</i>	(Steindachner, 1870)	Im, inat		Im, S	Im, S, CC10, inat, M	yes	yes	2022: Im(3),S(1); CPUM: (1); CC10; Inat: 2023(1),25(1); SIO: 1956(1)

TRIGLIDAE	no	<i>Bellator loxias</i>	(Jordan, 1897)	Teague				(yes)	yes	Teague
TRIPTERYGIIDAE	yes	<i>Axoclinus multicinctus</i>	Allen & Robertson, 1992	Im, S, M, BV		Im, S, M	A&R92c, Im, S, M, inat, BV	Obs	yes	2022: Ims,S(26); inat: (2); BVDNA; A&R92c: (3); SIO: 1953(13),55(71),56(1),57(1), 70(53),72(1),90(1); USNM; CPUM
	yes	<i>Enneanectes exsul</i>	Rosenblatt et al., 2013	M, Im, S, BV		M, SIO, S	M, Im, S, BV	yes	yes	2022: Im,S(7); BVDNA; Ros: (31); SIO: (20); USNM; LACM; CPUM
ZANCLIDAE	yes	<i>Zanclus cornutus</i>	(Linnaeus, 1758)	Im, S, AAB, inat	Inat, AAB, inat	Im, AAB, inat	Im, S, AAB, inat, CC10	Obs	yes	2022: Im,S(26); J&M: (12); Bee; inat: (37),2019, 20,21,23,24; AAB: 2012,13,14, 17,19,22,23; CC10: common; Rick: (1); LACM; CMNFI; SIO; CAS; CNPE; CPUM

Footnotes: Residency in RNP: see methods for explanation of Resident, uncertain, not resident. Species name#: Currently accepted species name, with authority listed in following column; name#: see species accounts for additional information. Island columns: Clarion = Clarion; Benedicto = San Benedicto; Partida = Roca Partida; Socorro = Socorro; **Im** = RNP image of species by coauthors of this paper (see supplementary material); **O** = observed by coauthors of this paper; **inat** = verified iNaturalist images; **M** indicates island at which museum specimen(s) were collected; **S** = specimen(s) collected by the coauthors in 2022 or by ODD and students in other years; **AAB** = Observations listed by coauthor AAB; **H**= screen capture image from Hollarsmith

et al. 2020 video; **CAS2016** = CAS screen capture image from videos referred to in AO17; other primary sources are also listed in some cases. **Fourr. column** indicates species listed by Fourrière et al. 2016 (islands recorded at not specified): Obs = observed by the authors; yes indicates reef fish species accepted by the authors; (yes) indicates a species classed as a non-reef fish by the authors but accepted as a reef-associated species here. **DMF column**: yes indicates species accepted by Del Moral Flores 2016. **Primary sources column**: includes museums with specimens and publications that describe collections, identifications or bservations or images of a species; primary source with an* indicates the identification was confirmed by examination of specimens by a curator at that museum or authors of a publication; year/s (n) after a source indicates year(s) and number of images, observations or specimens from that source; no vouchers: no specimens or images known to exist. eDNA: nr gene = number of reads of CO1 &/or 16S, with 100% confidence of species assignment (see Methods for further details). **Primary Literature**

Sources: AAB15 = Ayala-Bocos 2015; AO17 = Aburto-Oropeza et al 2017; A&H = Aburto-Oropeza & Hull 2008; A&R92A = Allen & Robertson 1992a; A&R92B = Allen & Robertson 1992b; A&R92C = Allen & Robertson 1992c; B&B66 = Berry & Baldwin 1966; Bee = Beebe 1937; BG19 = Becerril-Garcia 2019; BG20 = Becerril-Garcial 2020; B90 = Bussing 1990; B51 = Briggs 1951; B55 = Briggs 1955; B&R = Bohlke & Randall 2000; Br19 = Britzke et al. 2019; C-B = CAStenada-Beltran 1988; CC10 = Chavez-Comparan et al. 2010; C&B = Collette & Banford 2001; Coll = Collette et al. 2023; C&G19: Collette & Graves 2019; D75 = Dawson, 1975; D81= Dawson, 1981; DMF = Del Moral Flores et al. 2016; Fr80 = Frische, 1980; Four = Fourriere et al. 2016; Fitch = Fitch 1955; F&C84 = Fitch & Crooke 1984; G19 = Giddens et al. 2019; Gil = Gilbert 1890; Gil92 = Gilbert 1892; Gin = Ginsburg 1938; Gotshall = Gotshall 1998; G65 = Greenfield, 1965; H40 = Herald, 1940; H&R = Hastings & Robertson 1999; H = Hollarsmith et al 2020; H&S = Heller & Snodgrass 1903; H53 = Hubbs 1953; J&E = Jordan & Evermann 1903; J&M = Jordan & McGregor 1889; J&G = Jordan & Gilbert 1882; Inat = iNaturalist; K22= Klimley et al 2022; K60 = Krejsa 1960; LL18 = Lara-Lizardi 2018; M61 = McPhail 1961; M79 = McCarthy 1979; O-L = Ochoa-Lozano 1997; Rick = Ricker 1959; Ros = Rosenblatt et al 2013; SCG98 = Scoles et al. 1998; Sch46= Schultz 1946; S&H = Snodgrass & heller 1905; S&S = Schmitt & Schultz 1940; Starnes = Starnes 1988; Stevens = Stevens G, Mantatrust.org, pers com 2024 and see video [M. thurstoni](#); T-H = Torres-Hernandez et al 2022; Teague = Teague 1951; Vetel = Victor et al. 2024; VL – Velasco-Lozano et al. 2020; 2016V = screen grab of 2016 videos by CAS; BOLD = Barcode of Life Data Systems. **New primary source data**: 2022: Images, specimens and observations from 2022 expedition (n = no. specimens), BVDNA = Ben Victor CO1 sequences , BFDNA = Ben Frable CO1 sequences; Specimens collected by ODD

between 2014-23, ODDDNA = Omar Dominguez Dominguez DNA; CPUM specimens are from ODD collections; inat = confirmed images included here from [iNaturalist](#); AAB15 images from Ayala-Bocas et al 2015 videos; AAB(year) AAB observations in different years; CAS2016: images from 2016 videos by coauthor CAS; IATTC: InterAmerican Tropical Tuna Commission publicly available databases ([IATTC](#)); eDNA: UNESCO eDNA survey, 2023, OBIS dataset: [eDNA](#): r = number of reads of ASVs of CO1 and 16S.

Museum Sources and their codes: ANSP = Academy of Natural Sciences of Philadelphia; CAS = California Academy of Sciences; CMNFI = Canadian Museum of Nature Fish Collection (Ottawa); CNPE = Colección Nacional de Peces, IBUNAM; CPUM = Colección de Peces de la Universidad Michoacana de San Nicolás de Hidalgo, Morelia; CUMV = Cornell University Museum of Vertebrates, Ithaca; FMNH = Field Museum of Natural History (Zoology) Fish Collection; LACM = Natural History Museum of Los Angeles County; LEM = LEMENCB-IPN ((Colección del Laboratorio de Ecología, Escuela Nacional de Ciencias Biológicas, Instituto Politécnico Nacional, Ciudad de México); MCZ = Museum of Comparative Zoology; MLZ = MLZ Fish Collection (Arctos); ROM = Royal Ontario Museum; SIO = Scripps Institution of Oceanography; SU = UBC = Beaty Biodiversity Museum; UF = Florida Museum of Natural History, Ichthyology; UMMZ= University of Michigan Museum of Zoology; USNM = National Museum of Natural History, Smithsonian Institution; MNHN = Muséum National d'Histoire Naturelle, Paris (see comments in text section on Unaccepted Databases and Species). **Note:** confirmations of identifications of a few species in ANSP and CNPE collections are from figure 1 in Del Moral Flores et al. (2016).