

A list of the fishes
Collected by
W. M. Perrygo, in Haiti

Ginglymostoma cirratum (Bonnaterre),

58 species

Squalus cirratus Bonnaterre, Tableau Encyclo.

Ichth. 1788, 7; Gmelin, Syst. Nat. I, 1789, 1492

(American Seas).

Brownish generally, with eight dark vertical bars. Many dark spots about size of pinhead scattered over body.

One young female 360 mm. Little Cayemites, April 14.

Albula vulpes (Linnaeus).

Esox vulpes Linnaeus, Syst. Nat., ed. X, 1758, 313, Bahamas; based on Vulpes bahaniensis of Catesby.

These specimens are still in the larval stage and some may prove to be the young of some other species, they are listed here, however, as a matter of record.

56 Examples, Bigie Bay, April 23.

5 Specimens, Ile a Vache, April 29.

Jenkinsia lamprotaenia (Gosse).

Clupea lamprotaenia Gosse, Naturalists Sojourn in Jamaica, 1851, 291, Pt. 1, fig. 2, Jamaica.

3, 51 to 64, mm. La Gonave, March 22.

Harengula macrophthalma (Ranzani).

Clupea macrophthalma Ranzani, Nov. Com. Acad. Sci. Bonon., V, 1842, 320, Brazil.

2, 96 and 105 mm. Cayo Grande Moa, Cuba. March 4.

2, 86 and 92 mm. La Gonave, Haiti. March 22.

Synodus intermedius (Agassiz).

Saurus intermedius Agassiz, Spix, Pisc. Brasil, 1828, 81, Brazil.

1, 270 mm. Baraderes Bay, Haiti. April 9, and the head of a second example, same data.

Synodus foetens (Linnaeus).

Salmo foetens Linnaeus, Syst. Nat., ed. XII, 1766, 513, South Carolina.

1, 26 mm. Bigie Bay, Haiti. April 23,

Conger (*Leptocephalus*) *conger* (Linnaeus).

Muraena conger Linnaeus, Syst. Nat., ed. X, 1758, 245, based on Artedi.

Very young example (larvae) Bigie Bay, Haiti. April 23.

Myrichthys acuminatus (Gronow).

Muraena acuminatus Gronow, Fish. Brit. Mus. 1854, 21, Insula Div., Eustachii.

One large specimen 725 mm. Cayo Grande de Moa, Cuba. March 4. Dark brown with three series of orange spots on body, their diameter about equal to gill opening. Pectoral fins very short, less than half width of their base. Head with many small orange spots about size of pupil.

Cypselurus furcatus (Mitchill).

Exocoetus furcatus Mitchill, Trans. Lit. Phil. Soc. N. Y. I, 1815, 449, New York.

Pectoral and ventral fins blackish with the outer rays lighter. Dorsal and anal rays black distally. Two dark bars across lower lobe of caudal, rest of fin pale.

1, young example 67 mm., from Little Cayemites, Haiti. April 16.

Hyporhamphus unifasciatus (Ranzani),

Hemirhamphus unifasciatus Ranzani, Nov. Com. Acad. Sci. Bonon., V, 1842, 326, Brazil.

~~5, 62 to 104 mm. Cuba. March 4.~~ 5, 62 to 104 mm. Cuba. March 4. Subcaudal from tip of upper jaw. Lower jaw damaged in some individuals. Port Tanamo, Cuba. March 4.

1, 88 mm. Ile a Vache, Haiti. April 29.

5, 47 to 57 mm. Bigie Bay, Haiti. April 23.

5, 89 to 105 mm. Cayo Grande Moa, Cuba. March 4.

Hemiramphus brasiliensis (Linnaeus).

Esox brasiliensis Linnaeus, Syst. Nat., ed. X, 1758, 314, Jamaica; after Browne; Timucu of Macgrave wrongly included in the synonymy; Bloch, Ichth., 1801, 391, corrected synonymy and description.

4, 68 to 185 mm. Little Cayemites, Haiti. April 16.

Belone argalus LeSueur.

Belone argalus LeSueur, in Cuvier and Valenciennes, Hist. Nat. Poiss., XVIII, 1846, 326 (439), Guadeloupe, West Indies.

Maxillary completely hidden by the preorbital. Lower jaw one third longer than upper; diameter of eye slightly greater than interorbital width. Ventrals inserted midway between pupil and base of middle caudal rays. Caudal peduncle strongly depressed, nearly three times broader than deep, upper surface of peduncle very dark, abruptly silvery below.

1, 290 mm. Little Cayemites, Haiti. April 16..

Tylosurus acus (Lacepede),

Sphyraena acus Lacepede, Hist. Nat. Poiss.,
V, 1803, 6, pl. 1, fig. 3, Martinique.

1, 205 mm. La Gonave, Haiti. March 22.

1, 755 mm. Little Cayemites, Haiti. April 16.

Hepsetia stipes (Muller and Troschel),

Atherina stipes Muller and Troschel, in
Schomburgk, Hist. Barbados, 1847, 671, Barbados.

5, 42-62 mm. Ile a Vache, Haiti. April 29.

2, 49-52 mm. Little Cayemites April 13.

9, 53-67 mm. La Gonave, Haiti. March 22.

Atherina araea Jordan and Gilbert,

Atherina araea Jordan and Gilbert, Proc.
U. S. Nat. Mus., VII, 1884, 27, Key West, Fla.

4, 44-61 mm. Port Tenamo, Cuba. March 4.

96, 58-72 mm. Cayo Grande Moa, Cuba. March 4.

19, 48-74 mm. La Gonave, Haiti. March 22.

94, 23-56 mm. Little Cayemites, Haiti. April 13.

The silvery lateral band in this lot has changed
to a deep bluish-black stripe, due probably to some
medium in preservation.

Jenkinsia lamprotaenia (Gosse),

Clupea lamprotaenia Gosse, Naturalist's Sojourn
in Jamaica, 1851, 291, pl. 1, fig. 2, Jamaica.
3, 51-64 mm. La Gonave, Haiti. March 22.

Mugil brasiliensis Agassiz,

Mugil brasiliensis Agassiz, in Spix, Pisc.
Brasil, ~~1829~~ (234 by mispaging) 1829, pl. 72,
Atlantic Ocean off Brazil.

1, 31 mm. Port Tanamo, Cuba. March 4.

1, 24 mm. Bigie Bay, Haiti. April 23.

Preorbital serrated, anal with two spines,
scales 36.

Holocentrus ascensionis (Osbeck),

Perca ascensionis Osbeck, Iter Chinensis, 1757,
reprinted as Reise Ost-Ind. China, 1765, 388,
Ascension Island.

1, 49 mm. Bigie Bay, Haiti. April 23.

2, 185-203 mm. Baraderes Bay, Haiti. April 9.

Oligoplites saurus (Bloch and Schneider),

Scomber saurus, Bloch and Schneider, ed. Bloch
Syst. Ichth., 1801, 321, Jamaica, after Saurus
argenteus of Browne.

1, 26 mm. Bigie Bay, Haiti. April 23.

Paratractus crysos (Mitchill),

Scomber crysos Mitchill, Trans. Lit. Phil. Soc.
N. Y., I, 1815, 424, New York.

2, 205-207 mm. Port au Prince, Haiti. April 3.

Xurel lata (Agassiz),

Caranx latus Agassiz, in spix, Pisc. Bras.
1829, 105, Brazil.

2, 43-47 mm. Ile a Vache, Haiti. May 5.

Chloroscombrus chrysurus (Linnaeus),

Scomber chrysurus Linnaeus, Syst. Nat., ed.
XII, 1766, 494, Charleston, S. C.

2, 34-36 mm. Bigie Bay, Haiti. April 23.

Bathystoma rimator (Jordan and Swain),

Haemulon rimator Jordan and Swain, Proc. U. S. Nat. Mus., VII, 1884, 208, Charleston, Key West, Pensacola.

2, 149-155 mm. Petit Baraderes Bay, Haiti.
April 9.

Haemulon plumieri (Lacepede),

Labrus plumieri Lacepede, Hist. Nat. Poiss., III, 1802, 480, pl. 2, fig. 2, Martinique, on a copy of a drawing by Plumier, identified with this species by Cuvier.

1, 190 mm. Ile a Vache, Haiti. May 3.

Haemulon sciurus (Shaw),

Sparus sciurus Shaw, General Zoology, IV, 1803, 439, pl. 64, Antilles, based on the description and figure of Bloch.

1, 192 mm. Baraderes Bay, Haiti. April 9.

Haemulon flavolineatum (Desmarest)

Diabasis flavolineatus Desmarest, Prem. Decade
Ichth. 1823, 35, pl. 2, fig. 1, Cuba.

1, 142 mm. Anse a Galet, Haiti. March 23.

1, 180 mm. Petit Baraderes Bay, Haiti. April 9.

Ocyurus chrysurus (Bloch),

Sparus chrysurus Bloch, Nat. Ausl. Fische,
V, 1791, 28, Brazil; after Macgrave.

1, 245 mm. Anse a Galet, Haiti. March 23.

Lutjanus synagris (Linnaeus),

Sparus synagris Linnaeus, Syst. Nat. ed. X,
1758, 280, Carolinas; after Catesby.

1, 185 mm. Petèt Cayemites, Haiti. April 17.

Dark blotch about size of eye under origin of soft
dorsal.

2, 214-230 mm. Petit Baraderes Bay, Haiti.
April 9.

Calamus calamus (Cuvier and Valenciennes),

Pagellus calamus Cuvier and Valenciennes, Hist. Nat. Poiss., VI, 1830, 152, (206), pl. 152, Martinique, San Domingo.

1, 225 mm. Ile a Vache, Haiti. April 29.

Hypoplectrus unicolor puella (Cuv. & Val.),

Plectropoma puella Cuvier and Valenciennes, Hist. Nat. Poiss., II, 1828, 305 (405), pl. 37, Martinique.

1, 120 mm. Gonave Island, Haiti. May 14,

A dark bar below eye across cheek, another over anterior edge of opercle, one from nape across tip of opercle and base of pectoral to belly and two narrow ones from soft dorsal to anal, one involving peduncle; all slanting more or less downward and backward.

Epinephelus guttatus (Linnaeus),

Perca guttatus Linnaeus, Syst. Nat., ed. X, 1758, 292, Brazil; after Marcgrave, in part, but with a type specimen, examined by Lonnberg.

1, 190 mm. Petit Baraderes Bay, Haiti. April 9.

Dorsal, anal and caudal fins blackish distally, narrowly margined with white.

1, very young example 17 mm., Bigie Bay, Haiti. April 23, probably is referable to this species

Cephalopholis fulvus punctatus (Linnaeus),

Perca punctata Linnaeus, Syst. Nat., ed. X, 1758, 291, Bahamas; based on Catesby.

2, 222-245 mm. Bigie Bay, Haiti. May 9.

1, 190 mm. Petit Baraderes Bay, Haiti. April 9.

Upeneus maculatus (Bloch),

Mullus maculatus Bloch, Nat. Ausl. Fische, VII, 1793, 95, Brazil.

1, 192 mm. Petit Baraderes Bay, Haiti. April 9.

Upeneus martinicus Cuvier and Valenciennes,

Upeneus martinicus Cuvier and Valenciennes, Hist. Nat. Poiss., III, 1829, 356 (483), Martinique.

2, 195 mm. Petit Baraderes Bay, Haiti. April 9.

Chaetodon striatus Linnaeus,

Chaetodon striatus Linnaeus, Syst. Nat., ed. X, 1758, 275, India.

1, 107 mm. Anse a Galet, Haiti. March 23.

1, 104 mm. Bigie Bay, Haiti. April 22; a beautifully marked species.

Chaetodon capistriatus Linnaeus,

Chaetodon capistriatus Linnaeus, Syst. Nat.,
ed. X, 1758, 275, India.

4, 74-83 mm. Little Cayemites, Haiti. April 13.

1, 92 mm. Anse a Galet, Haiti. March 23.

3, 78-89 mm. Petit Baraderes Bay, Haiti. April 9.

1, 91 mm. Gonave Island, Haiti. May 14.

1, very young example 17 mm. Bigie Bay, Haiti.

April 23.

Pomacanthus arcuatus (Linnaeus),

Chaetodon arcuatus Linnaeus, Syst. Nat., ed. X,
1758, 273, India.

Holacanthus tricolor (Bloch),

Chaetodon tricolor Bloch, Nat. Ausl. Fische,
IX, 1795, 103, Cuba.

3, 188-200 mm. Bigie Bay, Haiti. May 9.

Acanthurus caeruleus Bloch and Schneider,

Acanthurus caeruleus Bloch and Schneider, Syst. Ichth. 1801, 214, Carolinas; Habana; Jamaica; after Catesby, Parra and Browne.

3, 120-150 mm. Bigie Bay, Haiti. April 22.

2, 170-210 mm. Petit Baraderes Bay, Haiti.

April 9.

Pomacentrus fuscus Cuvier and Valenciennes,

Pomacentrus fuscus Cuvier and Valenciennes, Hist. Nat. Poiss., V, 1830, 324 (432), Brazil.

4, 87-96 mm. Petit Baraderes Bay, Haiti. April 9.

Iridio garnoti (Cuvier and Valenciennes),

Julis garnoti Cuvier and Valenciennes, Hist. Nat. Poiss., XIII, 1839, 285 (390), Martinique.

2, 165-180 mm. Petit Baraderes Bay, Haiti. April 9.

Sparisoma aurofrenatum (Cuv. & Val.),

Scarus aurofrenatus Cuvier and Valenciennes, Hist. Nat. Poiss., XIV, 1839, 142 (191), San Domingo.

1, 162 mm. Anse a Galet, Haiti. March 23.

1, 152 mm. Petit Baraderes Bay, Haiti. April 9.

Sparisoma abildgaardi (Bloch).

Sparus abildgaardi Bloch, Nat. Ausl. Fische,
1791, 22, pl. 259, America.

2, 140-145 mm. Petit Cayemites, Haiti. April 17.

2, 165-168 mm. Petit Baraderes Bay, Haiti. April
9.

Sparisoma distinctum (Poey).

Scarus distinctus Poey, Memorias, II, 1861, 423,
Habana.

8, 152-203 mm. Petit Baraderes Bay, Haiti. April
9.

Sparisoma chrysopterum (Bloch and Schneider).

Scarus chrysopterus Bloch and Schneider, Syst.
Ichth., 1801, 286, pl. 57, American seas.

2, 210-235 mm. Petit Baraderes Bay, Haiti.
April 9.

Sparisoma flavescens (Bloch and Schneider).

Scarus flavescens Bloch and Schneider, Syst.
Ichth., 1801, 290, Cuba; after Parra.

1, 145 mm. Petit Cayemites, Haiti. April 17.

Sparisoma viride (Bonnaterre),

Scarus viridis Bonnaterre, Enc. Meth., 1788,
96, Bahamas; after Catesby.

1, 295 mm. Bigie Bay, Haiti. May 9.

Scarus punctulatus Cuvier and Valenciennes,

Scarus punctulatus Cuvier and Valenciennes, Hist.
Nat. Poiss., XIV, 1839, 144 (195), Martinique.

3, 158-190 mm. Petit Baraderes Bay, Haiti. April
9.

Scarus croicensis Bloch,

Scarus croicensis Bloch, Nat. Ausl. Fische, IV,
1790, 27, St. Croix.

1, 210 mm. Anse a Galet, Haiti. March 25.

1, 75 mm. Petit Baraderes, Bay, Haiti. April 9.
(dorsal fin damaged).

Chonophorus taiasica (Lichtenstein),

Gobius taiasica Lichtenstein, Abh. Akad. Wiss.
Berlin, 1822, 273, Brazil.

1, 100 mm. Mountain stream 10 miles south of
Port au Prince, Haiti. May 26.

watsoni Ms,

Ophioblennius webbi (Valenciennes),

Blennophis webbi Valenciennes, in Webb and Barthelot, Iles Canaries, Poiss., 1839, 60, pl. 20, fig. 1, Fort Aventura, Canary Islands.

2, 52-55 mm. Anse a Valet, Haiti. March 22.

Dactylopterus volitans (Linnaeus),

Trigla volitans Linnaeus, Syst. Nat., ed. X, 1758, 302; after Artedi.

3, 52-55 mm. Little Cayemites, Haiti. April 16.

Echeneis naucrates Linnaeus,

Echeneis neucrates (misprint for *naucrates*) Linnaeus, Syst. Nat., ed. X, 1758, 261, Pelago Indico.

1, Port Tanamo, Cuba. March 2.

Fistularia tabacaria Linnaeus,

Fistularia tabacaria Linnaeus, Syst. Nat., ed. X, 1758, 312, Tropical America.

2, 65-82 mm. (without filament) Bigie Bay, Haiti. April 23.

Syngnathus sp.

1, dried example 50 mm. Anse a Galet, Gonave Island, Haiti. March 22.

Monacanthus hispidus (Linnaeus),

Balistes hispidus Linnaeus, Syst. Nat., ed. XII, 1766, 405, Carolinas.

1, 11 mm. Bigie Bay, Haiti. April 23.

1, 42 mm. Cayo Grande Moa, Cuba. March 4.

Chapinus bicaudalis (Linnaeus),

Ostracion bicaudalis Linnaeus, Syst. Nat., ed. X, 1758, 330, "India"; after Artedi.

2, 117-123 mm. Petit Baraderes Bay, Haiti. April 9, Yellowish with small round dark spots over entire body except ventral surface, a dark area between eyes anteriorly, another about size of eye on each side of back near median line. Base of dorsal dark, fin translucent. Caudal spotted like trunk.

Cheilichthys testudineus (Linnaeus),

Tetraodon testudineus Linnaeus, Syst. Nat., ed. X, 1758, 332, India; based on Balk and Artedi.

2 young examples 12-16 mm. Bigie Bay, Haiti.

April 23.

Diodon hystrix Linnaeus,

Diodon hystrix Linnaeus, Syst. Nat., ed. X, 1758, 335, India; after Artedi.

1, 260 mm. Little Cayemites, Haiti. April 13.

Rypticus saponaceus (Bloch and Schneider),

Anthias saponaceus Bloch and Schneider, Syst.
Ichth. 1801, 310, Habana.

Head 3, depth $2\frac{3}{4}$, D. III-23, A. 16, P. 15, V. I-4,
maxillary $2\frac{1}{3}$ in head, eye $5\frac{3}{4}$, snout $4\frac{1}{8}$, inter-
orbital little more than half diameter of eye. Body
head and fins covered with very small imbedded scales.
Lateral line very faint ~~anteriorly~~ visible anteriorly.
Preopercle with three pungent spines, the uppermost
smallest but distinct. Opercle with three spines,
the middle longest and nearer upper than lower which
is directed downwards and backwards. Gill-rakers
short and thick, longest equal to pupil diameter,
7 developed on lower limb of anterior arch. Highest
dorsal rays 2 in head, anal similar to dorsal but
slightly lower and much shorter. All fins broadly
convex behind except ventrals which are more or less
pointed. Color light brownish-yellow, the body with
darker reticulations surrounding lighter areas or
spots, lower jaw, branchiostegal membrane, and breast
much lighter.

One female with large ovaries, 235 mm. Petit
Baraderes Bay, Haiti. April 9.