**Supporting Information**

**Table 3.** Systematic list of the demersal fish community of the Pacific coast of Mexico, based on the classification of Nelson (2006). The genera and species are presented in alphabetical order. The correct spellings of the scientific names are cited in Nelson *et al*. (2004) and Love *et al*. (2005). The names of the five ecosystems are represented as A: Upper Gulf of California, B: Sinaloa-Nayarit, C: Jalisco-Colima, D: Michoacán-Guerrero and E: Gulf of Tehuantepec. The \* denotes species that were excluded from analysis. Ichthyogeographic affinity: AP = Aleutian Province; OP = Oregonian Province; SP = San Diego Province; CP = Cortez Province; MP = Mexican Province; PP = Panamic Province; CT = Circumtropical; T = Transpacific species; AN = Amphiamerican species; PCHP = Peruvian-Chilean Province; MAGP = Magallánica Province. Collections records: A: ITESM, B: ENIP-CI, C: CEC, D: ICMyL, E: UAM-X.

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| **Species** | **Ecosystems** | **Ichthyogeographic affinities** | **Record code** |
| **CLASS CHONDRICHTHYES** |  |  |  |
| **SUBDIVISION SELACHII** |  |  |  |
| **ORDER HETERODONTIFORMES** |  |  |  |
| **FAMILY HETERODONTIDAE** |  |  |  |
| *Heterodontus mexicanus* Taylor & Castro-Aguirre, 1972 | A | PC-PP | ITESM |
| **ORDER CARCHARINIFORMES** |  |  |  |
| **FAMILY TRIAKIDAE** |  |  |  |
| *Mustelus henlei* (Gill, 1863) | A,D | PO-PC, PP | ITESM,ICMYL |
| *Mustelus lunulatus* Jordan & Gilbert, 1882 | A,E | PO-PP | ITESM,UAM-X |
| **FAMILY CARCHARHINIDAE** |  |  |  |
| *Rhizoprionodon longurio* (Jordan & Gilbert, 1882) | D | PS-PP | ICMYL |
| **FAMILY SPHYRNIDAE** |  |  |  |
| *Sphyrna lewini* (Griffith & Smith, 1834) | A,D,E | CT | ITESM,ICMYL,UAM-X |
| **ORDER SQUATINIFORMES** |  |  |  |
| **FAMILY SQUATINIDAE** |  |  |  |
| *Squatina californica* Ayres, 1859 | A | PA-PC | ITESM |
| **SUBDIVISION BATOIDEA** |  |  |  |
| **ORDER TORPEDINIFORMES** |  |  |  |
| **FAMILY NARCINIDAE** |  |  |  |
| *Diplobatis ommata* (Jordan & Gilbert, 1890) | C,D | PS-PP | CEC,ICMYL |
| *Narcine entemedor* Jordan & Starks, 1895 | A,B,C,D,E | PS-PP | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |
| *Narcine vermiculatus* Breder, 1928 | B,C,D,E, | PC-PP | ENIP-CI,CEC,ICMYL,UAM-X, |
| **ORDER RAJIFORMES** |  |  |  |
| **FAMILY RHINOBATIDAE** |  |  |  |
| *Rhinobatos glaucostigma* Jordan & Gilbert, 1883 | A,B,C,D | PC-PP | ITESM,ENIP-CI,CEC,ICMYL |
| *Rhinobatos leucorhynchus* Günther, 1867 | B,E | PS-PP | ENIP-CI,UAM-X |
| *Rhinobatos productus* Ayres, 1854 | A | PO-PM | ITESM |
| *Zapteryx exasperata* (Jordan & Gilbert, 1880) | A,C,D,E | PS-PP | ITESM,CEC,ICMYL,UAM-X |
| **FAMILY RAJIDAE** |  |  |  |
| *Raja equatorialis* Jordan & Bollman, 1890 | C,D,E | PS-PP | CEC,ICMYL,UAM-X |
| *Raja inornata* Jordan & Gilbert, 1881 | B,C | PA-PC | ENIP-CI,CEC |
| *Raja velezi* Chirichigno, 1973 | A | PC-PP | ITESM |
| **ORDER MYLIOBATIFORMES** |  |  |  |
| **FAMILY UROTRYGONIDAE** |  |  |  |
| *Urobatis concentricus* Osburn & Nichols, 1916 | C,D | PS-PM | CEC,ICMYL |
| *Urobatis halleri* (Cooper, 1863) | A,C,D | PO-PP | ITESM,CEC,ICMYL |
| *Urobatis maculatus* Garman, 1913 | A | PS-PC | ITESM |
| *Urotrygon aspidura* (Jordan & Gilbert, 1882) | B,D,E | PC-PP | ENIP-CI,ICMYL,UAM-X |
| *Urotrygon chilensis* (Günther, 1872) | D,E | PC-PPCH | ICMYL,UAM-X |
| *Urotrygon munda* Gill, 1863 | C,D,E | PC-PPCH | CEC,ICMYL,UAM-X |
| *Urotrygon nana* Miyake & McEachran, 1988 | B,D,E | PC-PP | ENIP-CI,ICMYL,UAM-X |
| *Urotrygon rogersi* (Jordan & Starks, 1895) | A,B,C,E | PC-PP | ITESM,ENIP-CI,CEC,UAM-X |
| *Urotrygon* spp. | E |  | UAM-X |

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| **TABLE 1. (continued)** |  |  |  |
| **Species** | **Ecosystems** | **Ichthyogeographic affinities** | **Record code** |
| **FAMILY DASYATIDAE** |  |  |  |
| *Dasyatis dipterura* (Jordan & Gilbert, 1880) | A,B,C,D | PS-PPCH | ITESM,ENIP-CI,CEC,ICMYL |
| *Dasyatis longa* (Garman, 1880) | B,C,E | PS-PP | ENIP-CI,CEC,UAM-X |
| **FAMILY GYMNURIDAE** |  |  |  |
| *Gymnura marmorata* (Cooper, 1864) | A,B,C,D | PS-PP | ITESM,ENIP-CI,CEC,ICMYL |
| **FAMILY MYLIOBATIDAE** |  |  |  |
| *Aetobatus laticeps* Gill, 1865 | B,E | CT | ENIP-CI,UAM-X |
| *Mobula munkiana* Notarbartolo di Sciara, 1987 | A | PC-PP | ITESM |
| *Myliobatis californica* Gill, 1865 | A,B | PO-PC | ITESM,ENIP-CI |
| *Rhinoptera steindachneri* Evermann & Jenkins, 1892 | A,B | PS-PP | ITESM,ENIP-CI |
| **CLASS ACTINOPTERYGII** |  |  |  |
| **DIVISION TELEOSTEI** |  |  |  |
| **ORDER ALBULIFORMES** |  |  |  |
| **FAMILY ALBULIDAE** |  |  |  |
| *Albula esuncula* (Garman, 1899) | A,B,E | PS-PP | ITESM,ENIP-CI,UAM-X |
| *Albula pacifica* (Beebe, 1942) | B,C,D,E | PS-PC | ENIP-CI,CEC,ICMYL,UAM-X |
| **ORDER ANGUILLIFORMES** |  |  |  |
| **FAMILY MURAENIDAE** |  |  |  |
| *Gymnothorax equatorialis* (Hildebrand, 1946) | A,C,D,E | PS-PP | ITESM,CEC,ICMYL,UAM-X |
| *Muraena argus* (Steindachner, 1870) | D | PC-PP | ICMYL |
| **FAMILY OPHICHTHIDAE** |  |  |  |
| *Echiophis brunneus* (Castro-Aguirre & Suárez de los Cobos, 1983) | C | PC-PP | CEC |
| *Myrichthys aspetocheiros* McCosker & Rosenblatt, 1993 | E | PM-PP | UAM-X |
| *Myrichthys tigrinus* Girard, 1859 | C | PC-PP | CEC |
| *Myrophis vafer* Jordan & Gilbert, 1883 | C | PS-PP | CEC |
| *Ophichthus* sp. | E |  | UAM-X |
| *Ophichthus triserialis* (Kaup, 1856) | B,C,D,E | PO-PP | ENIP-CI,CEC,ICMYL,UAM-X |
| *Ophichthus zophochir* Jordan & Gilbert, 1882 | C,D,E | PO-PPCH | CEC,ICMYL,UAM-X |
| **FAMILY MURAENESOCIDAE** |  |  |  |
| *Cynoponticus coniceps* (Jordan & Gilbert, 1882) | A,B,D | PC-PP | ITESM,ENIP-CI,ICMYL |
| **FAMILY CONGRIDAE** |  |  |  |
| *Ariosoma gilberti* (Ogilby, 1898) | D,E | PS-PP | ICMYL,UAM-X |
| *Bathycongrus macrurus* (Gilbert, 1891)\* | E |  | UAM-X |
| *Gnathophis cinctus* (Garman, 1899) | C | PS-PP | CEC |
| *Paraconger californiensis* Kanazawa, 1961 | C | PC-PP | CEC |
| *Rhynchoconger nitens* (Jordan & Bollman, 1890) | E | PS-PPCH | UAM-X |
| **FAMILY NETTASTOMATIDAE** |  |  |  |
| *Hoplunnis pacifica* Lane & Stewart, 1968 | C | PC-PP | CEC |
| **ORDER CLUPEIFORMES** |  |  |  |
| **FAMILY PRISTIGASTERIDAE** |  |  |  |
| *Opisthopterus dovii* (Günther, 1868) | B,D,E | PC-PP | ENIP-CI,ICMYL,UAM-X |
| *Opisthopterus equatorialis* Hildebrand, 1946 | E | PP | UAM-X |
| *Pliosteostoma lutipinnis* (Jordan & Gilbert, 1882) | C,D,E | PC-PP | CEC,ICMYL,UAM-X |
| **FAMILY ENGRAULIDAE** |  |  |  |
| *Anchoa argentivittata* (Regan, 1904) | D | PC-PP | ICMYL |
| *Anchoa ischana* (Jordan & Gilbert, 1882) | A,D,E | PC-PP | ITESM,ICMYL,UAM-X |
| *Anchoa lucida* (Jordan & Gilbert, 1882) | E | PS-PP | UAM-X |
| *Anchoa nasus* (Kner & Steindachner, 1867) | E | PC-PPCH | UAM-X |
| *Anchoa panamensis* (Steindachner, 1877) | E | PP | UAM-X |
| *Anchoa* sp. | E |  | UAM-X |
| *Anchoa spinifer* (Valenciennes, 1848) | E | AN | UAM-X |
| *Anchoa walkeri* Baldwin & Chang, 1970 | B,C,E | PC-PP | ENIP-CI,CEC,UAM-X |
| *Anchovia macrolepidota* (Kner, 1863) | B,C,E | PS-PP | ENIP-CI,CEC,UAM-X |
| *Cetengraulis mysticetus* (Günther, 1867) | A,B,D,E | PS-PP | ITESM,ENIP-CI,ICMYL,UAM-X |

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| **TABLE 1. (continued)** |  |  |  |
| **Species** | **Ecosystems** | **Ichthyogeographic affinities** | **Record code** |
| **FAMILY CLUPEIDAE** |  |  |  |
| *Harengula thrissina* (Jordan & Gilbert, 1882) | B,D,E | PC-PPCH | ENIP-CI,ICMYL,UAM-X |
| *Opisthonema bulleri* (Regan, 1904) | E | PC-PP | UAM-X |
| *Opisthonema libertate* (Günther, 1867) | A,B,C,D,E | PS-PP | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |
| **ORDER SILURIFORMES** |  |  |  |
| **FAMILY ARIIDAE** |  |  |  |
| *Bagre panamensis* (Gill, 1863) | A,B,D,E | PS-PP | ITESM,ENIP-CI,ICMYL,UAM-X |
| *Bagre pinnimaculatus* (Steindachner, 1876) | B | PC-PP | ENIP-CI |
| *Cathorops liropus* (Bristol, 1897) | B,E | PC-PP | ENIP-CI,UAM-X |
| *Cathorops raredonae* Marceniuk, Betancur-R. & Acero, 2009 | B | PC-PP | ENIP-CI |
| *Cathorops dasycephalus* (Günther, 1864) | D,E | PM-PP | ICMYL,UAM-X |
| *Galeichthys* cf. *peruvianus* Lütken, 1874 | D | PP-PPCH | ICMYL |
| *Notarius troschelii* (Gill, 1863) | C | PC-PP | CEC |
| *Occidentarius platypogon* (Günther, 1864) | C,D,E | PS-PP | CEC,ICMYL,UAM-X |
| *Sciades seemanni* (Günther, 1864) | B,D,E | PC-PP | ENIP-CI,ICMYL,UAM-X |
| *Sciades* spp. | E |  | UAM-X |
| **ORDER AULOPIFORMES** |  |  |  |
| **FAMILY SYNODONTIDAE** |  |  |  |
| *Synodus evermanni* Jordan & Bollman, 1890 | C,D,E | PS-PP | CEC,ICMYL,UAM-X |
| *Synodus lacertinus* Gilbert, 1890 | B,C | PC-PPCH | ENIP-CI,CEC |
| *Synodus scituliceps* Jordan & Gilbert, 1882 | A,B,C,D,E | PS-PPCH | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |
| *Synodus sechurae* Hildebrand, 1946 | B,C,E | PC-PP | ENIP-CI,CEC,UAM-X |
| **ORDER GADIFORMES** |  |  |  |
| **FAMILY BREGMACEROTIDAE** |  |  |  |
| *Bregmaceros bathymaster* Jordan & Bollman 1889\* | C,D,E |  | CEC,ICMYL,UAM-X |
| **ORDER OPHIDIIFORMES** |  |  |  |
| **FAMILY OPHIDIIDAE** |  |  |  |
| *Brotula clarkae* Hubbs, 1944 | B,C,D,E | PC-PP | ENIP-CI,CEC,ICMYL,UAM-X |
| *Cherublemma emmelas* (Gilbert, 1890) | D,E | PC-PPCH | ICMYL,UAM-X |
| *Lepophidium pardale* (Gilbert, 1890) | E | PS-PPCH | UAM-X |
| *Lepophidium prorates* (Jordan & Bollman, 1890) | A,B,C,D | PS-PP | ITESM,ENIP-CI,CEC,ICMYL |
| *Ophidion galeoides* (Gilbert, 1890) | C,E | PS-PP | CEC,UAM-X |
| *Ophidion imitator* Lea, 1997 | C | PC-PP | CEC |
| *Ophidion scrippsae* (Hubbs, 1916) | D | PS-PM | ICMYL |
| *Ophidion* sp. | C |  | CEC |
| **ORDER BATRACHOIDIFORMES** |  |  |  |
| **FAMILY BATRACHOIDIDAE** |  |  |  |
| *Batrachoides boulengeri* (Gilbert & Starks, 1904) | E | PP | UAM-X |
| *Batrachoides waltersi* Collette & Russo, 1981 | D,E | PM-PP | ICMYL,UAM-X |
| *Porichthys analis* Hubbs & Schultz, 1939 | A,B,D | PC-PM | ITESM,ENIP-CI,ICMYL |
| *Porichthys ephippiatus* Walker & Rosenblatt, 1988 | E | PC-PP | UAM-X |
| *Porichthys greenei* Gilbert & Starks, 1904 | E | PM-PP | UAM-X |
| *Porichthys margaritatus* (Richardson, 1844) | C,E | PS-PP | CEC,UAM-X |
| **ORDER LOPHIIFORMES** |  |  |  |
| **FAMILY LOPHIIDAE** |  |  |  |
| *Lophiodes caulinaris* (Garman, 1899) | A,B,C,D,E | PS-PPCH | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |
| *Lophiodes spilurus* (Garman, 1899) | C,D,E | PO-PP | CEC,ICMYL,UAM-X |
| **FAMILY ANTENNARIIDAE** |  |  |  |
| *Fowlerichthys avalonis* Jordan & Starks, 1907 | B,C,D | PS-PPCH | ENIP-CI,CEC,ICMYL |
| **FAMILY OGCOCEPHALIDAE** |  |  |  |
| *Zalieutes elater* (Jordan & Gilbert, 1882) | A,B,C,D,E | PO-PP | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |
| **ORDER MUGILIFORMES** |  |  |  |
| **FAMILY MUGILIDAE** |  |  |  |
| *Mugil curema* Valenciennes, 1836 | B,C,D,E | CT | ENIP-CI,CEC,ICMYL,UAM-X |

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| **TABLE 1. (continued)** |  |  |  |
| **Species** | **Ecosystems** | **Ichthyogeographic affinities** | **Record code** |
| **ORDER ATHERINIFORMES** |  |  |  |
| **FAMILY ATHERINIDAE** |  |  |  |
| *Melanorhinus cyanellus* (Meek & Hildebrand, 1923) \* | C |  | CEC |
| **ORDER BELONIFORMES** |  |  |  |
| **FAMILY EXOCOETIDAE** |  |  |  |
| *Fodiator rostratus* (Günther, 1866) \* | B |  | ENIP-CI |
| **FAMILY BELONIDAE** |  |  |  |
| *Strongylura exilis* (Girard, 1854) \* | D |  | ICMYL |
| **ORDER BERYCIFORMES** |  |  |  |
| **FAMILY HOLOCENTRIDAE** |  |  |  |
| *Myripristis leiognathus* Valenciennes, 1846 \* | C |  | CEC |
| *Sargocentron suborbitalis* (Gill, 1863) \* | C |  | CEC |
| **ORDER GASTEROSTEIFOMES** |  |  |  |
| **FAMILY SYNGNATHIDAE** |  |  |  |
| *Hippocampus ingens* Girard, 1858 | C,D,E | PO-PPCH | CEC,ICMYL,UAM-X |
| **FAMILY FISTULARIIDAE** |  |  |  |
| *Fistularia commersonii* Rüppell, 1838 | C | T | CEC |
| *Fistularia corneta* Gilbert & Starks, 1904 | B,D,E | PO-PPCH | ENIP-CI,ICMYL,UAM-X |
| **ORDER SCORPAENIFORMES** |  |  |  |
| **FAMILY SCORPAENIDAE** |  |  |  |
| *Pontinus furcirhinus* Garman, 1899 | D | PC-PP | ICMYL |
| *Pontinus sierra* (Gilbert, 1890) | C,D,E | PS-PP | CEC,ICMYL,UAM-X |
| *Scorpaena histrio* Jenyns, 1840 | B | PS-PPCH | ENIP-CI |
| *Scorpaena mystes* Jordan & Starks, 1895 | A,C,D | PS-PPCH | ITESM,CEC,ICMYL |
| *Scorpaena russula* Jordan & Bollman, 1890 | B,C,D,E | PS-PP | ENIP-CI,CEC,ICMYL,UAM-X |
| *Scorpaena sonorae* Jenkins & Evermann, 1889 | A,B,D | PC-PM | ITESM,ENIP-CI,ICMYL |
| *Sebastes* sp. | C |  | CEC |
| **FAMILY TRIGLIDAE** |  |  |  |
| *Bellator gymnostethus* (Gilbert, 1892) | C,D | PS-PPCH | CEC,ICMYL |
| *Bellator loxias* (Jordan, 1897) | B,C,E | PC-PPCH | ENIP-CI,CEC,UAM-X |
| *Bellator xenisma* (Jordan & Bollman, 1890) | B,C,D,E | PS-PP | ENIP-CI,CEC,ICMYL,UAM-X |
| *Prionotus albirostris* Jordan & Bollman, 1890 | C,D,E | PS-PP | CEC,ICMYL,UAM-X |
| *Prionotus birostratus* Richardson, 1844 | D,E | PC-PP | ICMYL,UAM-X |
| *Prionotus horrens* Richardson, 1844 | D,E | PC-PP | ICMYL,UAM-X |
| *Prionotus ruscarius* Gilbert & Starks, 1904 | A,B,C,D,E | PC-PPCH | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |
| *Prionotus stephanophrys* Lockington, 1881 | A,B,C,D,E | PO-PPCH | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |
| **ORDER PERCIFORMES** |  |  |  |
| **SUBORDER PERCOIDEI** |  |  |  |
| **FAMILY CENTROPOMIDAE** |  |  |  |
| *Centropomus armatus* Gill, 1863 | B | PC-PP | ENIP-CI |
| *Centropomus medius* Günther, 1864 | B | PC-PP | ENIP-CI |
| *Centropomus robalito* Jordan & Gilbert, 1882 | B,C,D,E | PC-PP | ENIP-CI,CEC,ICMYL,UAM-X |
| **FAMILY SERRANIDAE** |  |  |  |
| *Alphestes multiguttatus* (Günther, 1867) | B,C,D,E | PC-PP | ENIP-CI,CEC,ICMYL,UAM-X |
| *Dermatolepis dermatolepis* (Boulenger, 1895) | C | PS-PP | CEC |
| *Diplectrum eumelum* Rosenblatt & Johnson, 1974 | C,D,E | PC-PP | CEC,ICMYL,UAM-X |
| *Diplectrum euryplectrum* Jordan & Bollman, 1890 | C,D,E | PC-PP | CEC,ICMYL,UAM-X |
| *Diplectrum labarum* Rosenblatt & Johnson, 1974 | B,C,D,E | PS-PP | ENIP-CI,CEC,ICMYL,UAM-X |
| *Diplectrum macropoma* (Günther, 1864) | A,C,D,E | PC-PPCH | ITESM,CEC,ICMYL,UAM-X |
| *Diplectrum pacificum* Meek & Hildebrand, 1925 | A,B,C,D,E | PS-PP | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |
| *Diplectrum rostrum* Bortone, 1974 | C | PS-PP | CEC |
| *Diplectrum sciurus* Gilbert, 1892 | A | PC | ITESM |
| *Epinephelus analogus* Gill, 1863 | C,D,E | PS-PPCH | CEC,ICMYL,UAM-X |
| *Epinephelus labriformis* (Jenyns, 1840) | C | PS-PP | CEC |

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| **TABLE 1. (continued)** |  |  |  |
| **Species** | **Ecosystems** | **Ichthyogeographic affinities** | **Record code** |
| *Hyporthodus acanthistius* (Gilbert, 1892) | B,C,D | PS-PP | ENIP-CI,CEC,ICMYL |
| *Hyporthodus exsul* (Fowler, 1944) | B,D,E | PM-PP | ENIP-CI,ICMYL,UAM-X |
| *Hyporthodus niphobles* Gilbert & Starks, 1897 | A,B,C,D | PS-PP | ITESM,ENIP-CI,CEC,ICMYL |
| *Hyporthodus* sp. | E |  | UAM-X |
| *Paralabrax loro* Walford, 1936 | A,B,C | PC-PP | ITESM,ENIP-CI,CEC |
| *Paralabrax maculatofasciatus* (Steindachner, 1868) | A,B | PO-PM | ITESM,ENIP-CI |
| *Pronotogrammus eos* Gilbert, 1890 | B | PC-PP | ENIP-CI |
| *Rypticus bicolor* Valenciennes, 1846 | E | PC-PP | UAM-X |
| *Rypticus nigripinnis* Gill, 1861 | B,C,D | PC-PP | ENIP-CI,CEC,ICMYL |
| *Serranus aequidens* Gilbert, 1890 | D | PS-PP | ICMYL |
| *Serranus psittacinus* Valenciennes, 1846 | C | PS-PPCH | CEC |
| **FAMILY OPISTOGNATHIDAE** |  |  |  |
| *Opistognathus punctatus* Peters, 1869 | A | PS-PP | ITESM |
| **FAMILY PRIACANTHIDAE** |  |  |  |
| *Pristigenys serrula* (Gilbert, 1891) | A,B,C,D,E | PO-PPCH | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |
| **FAMILY APOGONIDAE** |  |  |  |
| *Apogon pacificus* (Herre, 1935) | D,E | PS-PPCH | ICMYL,UAM-X |
| *Apogon retrosella* (Gill, 1862) | B,C | PS-PP | ENIP-CI,CEC |
| **FAMILY MALACANTHIDAE** |  |  |  |
| *Caulolatilus affinis* Gill, 1865 | C | PS-PPCH | CEC |
| **FAMILY NEMATISTIIDAE** |  |  |  |
| *Nematistius pectoralis* Gill, 1862\* | B |  | ENIP-CI |
| **FAMILY ECHENEIDAE** |  |  |  |
| *Remora remora* (Linnaeus, 1758) \* | D |  | ICMYL |
| **FAMILY CARANGIDAE** |  |  |  |
| *Alectis ciliaris* (Bloch, 1787) | B,D,E | CT | ENIP-CI,ICMYL,UAM-X |
| *Caranx caballus* Günther, 1868 | B,D,E | PO-PPCH | ENIP-CI,ICMYL,UAM-X |
| *Caranx caninus* Günther, 1867 | B,C,D,E | PS-PPCH | ENIP-CI,CEC,ICMYL,UAM-X |
| *Caranx otrynter* Jordan & Gilbert, 1883 | B,D,E | PC-PP | ENIP-CI,ICMYL,UAM-X |
| *Caranx vinctus* Jordan & Gilbert, 1882 | B,C,D,E | PS-PP | ENIP-CI,CEC,ICMYL,UAM-X |
| *Chloroscombrus orqueta* Jordan & Gilbert, 1883 | B,C,D,E | PS-PPCH | ENIP-CI,CEC,ICMYL,UAM-X |
| *Decapterus macrosoma* Bleeker, 1851 | C,D,E | T | CEC,ICMYL,UAM-X |
| *Hemicaranx leucurus* (Günther, 1864) | B,D,E | PC-PP | ENIP-CI,ICMYL,UAM-X |
| *Hemicaranx zelotes* Gilbert, 1898 | E | PC-PP | UAM-X |
| *Oligoplites altus* (Günther, 1868) | E | PS-PPCH | UAM-X |
| *Oligoplites refulgens* Gilbert & Starks, 1904 | E | PC-PPCH | UAM-X |
| *Oligoplites saurus* (Bloch & Schneider, 1801) | A,E | AN | ITESM,UAM-X |
| *Selar crumenophthalmus* (Bloch, 1793) | B,C,D,E | CT | ENIP-CI,CEC,ICMYL,UAM-X |
| *Selene brevoortii* (Gill, 1863) | B,D,E | PS-PPCH | ENIP-CI,ICMYL,UAM-X |
| *Selene orstedii* Lütken, 1880 | B,D,E | PC-PP | ENIP-CI,ICMYL,UAM-X |
| *Selene peruviana* (Guichenot, 1866) | A,B,C,D,E | PS-PPCH | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |
| *Seriola peruana* Steindachner, 1881 | D | PC-PP | ICMYL |
| *Seriola rivoliana* Valenciennes, 1833 | C | CT | CEC |
| *Trachinotus kennedyi* Steindachner, 1876 | B | PS-PP | ENIP-CI |
| *Trachinotus paitensis* Cuvier, 1832 | B,D | PS-PPCH | ENIP-CI,ICMYL |
| *Trachinotus rhodopus* Gill, 1863 | D | PS-PPCH | ICMYL |
| **FAMILY LUTJANIDAE** |  |  |  |
| *Hoplopagrus guentherii* Gill, 1862 | C | PS-PP | CEC |
| *Lutjanus argentiventris* (Peters, 1869) | B,D | PS-PPCH | ENIP-CI,ICMYL |
| *Lutjanus colorado* Jordan & Gilbert, 1882 | D,E | PS-PP | ICMYL,UAM-X |
| *Lutjanus guttatus* (Steindachner, 1869) | A,B,C,D,E | PC-PPCH | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |
| *Lutjanus novemfasciatus* Gill, 1862 | C,D | PS-PP | CEC,ICMYL |
| *Lutjanus peru* (Nichols & Murphy, 1922) | C,D,E | PS-PPCH | CEC,ICMYL,UAM-X |

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| **TABLE 1. (continued)** |  |  |  |
| **Species** | **Ecosystems** | **Ichthyogeographic affinities** | **Record code** |
| **FAMILY GERREIDAE** |  |  |  |
| *Diapterus aureolus* (Jordan & Gilbert, 1882) | C,D,E | PC-PP | CEC,ICMYL,UAM-X |
| *Diapterus brevirostris* (Sauvage, 1879) | B,C,D,E | PC-PP | ENIP-CI,CEC,ICMYL,UAM-X |
| *Eucinostomus currani* Zahuranec, 1980 | B,C,D,E | PS-PPCH | ENIP-CI,CEC,ICMYL,UAM-X |
| *Eucinostomus dowii* (Gill, 1863) | B,D,E | PS-PP | ENIP-CI,ICMYL,UAM-X |
| *Eucinostomus entomelas* Zahuranec, 1980 | C,D | PS-PP | CEC,ICMYL |
| *Eucinostomus gracilis* (Gill, 1862) | B,C,D,E | PS-PP | ENIP-CI,CEC,ICMYL,UAM-X |
| *Eucinostomus* sp. | A |  | ITESM |
| *Gerres simillimus* Regan, 1907 | C,D,E | AN | CEC,ICMYL,UAM-X |
| **FAMILY HAEMULIDAE** |  |  |  |
| *Anisotremus interruptus*(Gill, 1862) | D | PS-PP | ICMYL |
| *Conodon serrifer* Jordan & Gilbert, 1882 | B,C,D,E | PS-PP | ENIP-CI,CEC,ICMYL,UAM-X |
| *Genyatremus dovii* (Günther, 1864) | B,C,D | PM-PP | ENIP-CI,CEC,ICMYL |
| *Haemulon flaviguttatum* Gill, 1862 | D | PS-PP | ICMYL |
| *Haemulon maculicauda* (Gill, 1862) | C | PC-PP | CEC |
| *Haemulon scudderi* Gill, 1862 | C | PC-PP | CEC |
| *Haemulopsis axillaris* (Steindachner, 1869) | B,C,D,E | PC-PP | ENIP-CI,CEC,ICMYL,UAM-X |
| *Haemulopsis elongatus* (Steindachner, 1879) | D,E | PC-PP | ICMYL,UAM-X |
| *Haemulopsis leuciscus* (Günther, 1864) | A,B,C,D,E | PS-PP | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |
| *Haemulopsis nitidus* (Steindachner, 1869) | A,D,E | PC-PP | ITESM,ICMYL,UAM-X |
| *Microlepidotus brevipinnis* (Steindachner, 1869) | C,D | PC-PP | CEC,ICMYL |
| *Microlepidotus inornatus* Gill, 1862 | C | PS-PM | CEC |
| *Orthopristis chalceus* (Günther, 1864) | B,D,E | PS-PPCH | ENIP-CI,ICMYL,UAM-X |
| *Orthopristis reddingi* Jordan & Richardson, 1895 | A,D,E | PS-PM | ITESM,ICMYL,UAM-X |
| *Pomadasys branickii*(Steindachner, 1879) | D | PC-PP | ICMYL |
| *Pomadasys panamensis* (Steindachner, 1876) | A,B,D,E | PC-PP | ITESM,ENIP-CI,ICMYL,UAM-X |
| *Xenichthys xanti* Gill, 1863 | B,C,D,E | PC-PPCH | ENIP-CI,CEC,ICMYL,UAM-X |
| *Xenistius californiensis* (Steindachner, 1876) | C | PO-PP | CEC |
| **FAMILY SPARIDAE** |  |  |  |
| *Calamus brachysomus* (Lockington, 1880) | A,B,C,D | PS-PPCH | ITESM,ENIP-CI,CEC,ICMYL |
| **FAMILY POLYNEMIDAE** |  |  |  |
| *Polydactylus approximans* (Lay & Bennett, 1839) | B,C,D,E | PO-PPCH | ENIP-CI,CEC,ICMYL,UAM-X |
| *Polydactylus opercularis* (Gill, 1863) | B,C,D,E | PS-PPCH | ENIP-CI,CEC,ICMYL,UAM-X |
| **FAMILY SCIAENIDAE** |  |  |  |
| *Cynoscion nannus* Castro-Aguirre & Arvizu-Martínez, 1976 | C | PC-PP | CEC |
| *Cynoscion phoxocephalus* Jordan & Gilbert, 1882 | B,C,D,E | PC-PP | ENIP-CI,CEC,ICMYL,UAM-X |
| *Cynoscion* sp. | B |  | ENIP-CI |
| *Cynoscion reticulatus* (Günther, 1864) | A,B,C,D,E | PC-PP | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |
| *Cynoscion stolzmanni* (Steindachner, 1879) | D | PC-PP | ICMYL |
| *Elattarchus archidium* (Jordan & Gilbert, 1882) | D,E | PC-PP | ICMYL,UAM-X |
| *Isopisthus remifer* Jordan & Gilbert, 1882 | B,D,E | PC-PP | ENIP-CI,ICMYL,UAM-X |
| *Larimus acclivis* Jordan & Bristol, 1898 | C,D,E | PS-PP | CEC,ICMYL,UAM-X |
| *Larimus argenteus* (Gill, 1863) | B,E | PC-PP | ENIP-CI,UAM-X |
| *Larimus effulgens* Gilbert, 1898 | B,E | PC-PP | ENIP-CI,UAM-X |
| *Larimus pacificus* Jordan & Bollman, 1890 | A,D,E | PC-PP | ITESM,ICMYL,UAM-X |
| *Menticirrhus elongatus* (Günther, 1864) | C,D,E | PS-PP | CEC,ICMYL,UAM-X |
| *Menticirrhus nasus* (Günther, 1868) | A,E | PS-PP | ITESM,UAM-X |
| *Menticirrhus panamensis* (Steindachner, 1875) | D,E | PS-PPCH | ICMYL,UAM-X |
| *Micropogonias altipinnis* (Günther, 1864) | D,E | PC-PP | ICMYL,UAM-X |
| *Micropogonias ectenes* (Jordan & Gilbert, 1882) | B | PC-PM | ENIP-CI |
| *Micropogonias megalops* (Gilbert, 1890) | A | PC | ITESM |
| *Nebris occidentalis* Vaillant, 1897 | E | PP | UAM-X |
| *Ophioscion imiceps* (Jordan & Gilbert, 1882) | B,D | PM-PP | ENIP-CI,ICMYL |
| *Ophioscion scierus* (Jordan & Gilbert, 1884) | C | PM-PP | CEC |

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| **TABLE 1. (continued)** |  |  |  |
| **Species** | **Ecosystems** | **Ichthyogeographic affinities** | **Record code** |
| *Ophioscion strabo* Gilbert, 1897 | C,E | PC-PP | CEC,UAM-X |
| *Ophioscion typicus* Gill, 1863 | D | PC-PP | ICMYL |
| *Paralonchurus goodei* Gilbert, 1898 | B,E | PC-PP | ENIP-CI,UAM-X |
| *Stellifer ericymba* (Jordan & Gilbert, 1882) | D | PS-PPCH | ICMYL |
| *Stellifer furthii* (Steindachner, 1876) | D,E | PP | ICMYL,UAM-X |
| *Stellifer illecebrosus* Gilbert, 1898 | B,D,E | PM-PP | ENIP-CI,ICMYL,UAM-X |
| *Stellifer walkeri* Chao, 2001 | D | PM | ICMYL |
| *Stellifer wintersteenorum* Chao, 2001 |  | PC |  |
| *Totoaba macdonaldi* (Gilbert, 1890) | A | PC | ITESM |
| *Umbrina analis* Günther, 1868 | B | PC-PP | ENIP-CI |
| *Umbrina bussingi* López, 1980 | D | PC-PP | ICMYL |
| *Umbrina roncador* Jordan & Gilbert, 1882 | B | PS-PC | ENIP-CI |
| *Umbrina xanti* Gill, 1862 | C,D,E | PC-PPCH | CEC,ICMYL,UAM-X |
| **FAMILY MULLIDAE** |  |  |  |
| *Mulloidichthys dentatus* (Gill, 1862) | C,D | PC-PP | CEC,ICMYL |
| *Pseudupeneus grandisquamis* (Gill, 1863) | A,B,C,D,E | PS-PPCH | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |
| **FAMILY CHAETODONTIDAE** |  |  |  |
| *Chaetodon humeralis* Günther, 1860 | B,C,D,E | PS-PPCH | ENIP-CI,CEC,ICMYL,UAM-X |
| *Johnrandallia nigrirostris* (Gill, 1862) \* | B |  | ENIP-CI |
| **FAMILY POMACANTHIDAE** |  |  |  |
| *Pomacanthus zonipectus* (Gill, 1862) \* | B,D |  | ENIP-CI,ICMYL |
| **SUBORDER LABROIDEI** |  |  |  |
| **FAMILY POMACENTRIDAE** |  |  |  |
| *Chromis atrilobata* Gill, 1862 \* | C,D |  | CEC,ICMYL |
| **FAMILY LABRIDAE** |  |  |  |
| *Halichoeres semicinctus* (Ayres, 1859) | A | PS-PC | ITESM |
| **SUBORDER TRACHINOIDEI** |  |  |  |
| **FAMILY URANOSCOPIDAE** |  |  |  |
| *Astroscopus zephyreus* Gilbert & Starks, 1897 | A | PS-PPCH | ITESM |
| **SUBORDER GOBIOIDEI** |  |  |  |
| **FAMILY GOBIIDAE** |  |  |  |
| *Bollmannia chlamydes* Jordan, l890 | B,D | PP | ENIP-CI,ICMYL |
| *Bollmannia ocellata* Gilbert, 1892 | A,D | PC-PP | ITESM,ICMYL |
| *Bollmannia* sp. | C |  | CEC |
| **SUBORDER ACANTHUROIDEI** |  |  |  |
| **FAMILY EPHIPPIDAE** |  |  |  |
| *Chaetodipterus zonatus* (Girard, 1858) | A,B,C,D,E | PS-PP | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |
| *Parapsettus panamensis* Steindachner, 1876 | C,D | PC-PP | CEC,ICMYL |
| **SUBORDER SCOMBROIDEI** |  |  |  |
| **FAMILY SPHYRAENIDAE** |  |  |  |
| *Sphyraena ensis* Jordan & Gilbert, 1882 | B,E | PS-PPCH | ENIP-CI,UAM-X |
| **FAMILY TRICHIURIDAE** |  | T |  |
| *Trichiurus nitens* Garman, 1899 | A,B,D,E |  | ITESM,ENIP-CI,ICMYL,UAM-X |
| **FAMILY SCOMBRIDAE** |  |  |  |
| *Auxis brachydorax* Collette y Aadland, 1996 \* | B |  | ENIP-CI |
| *Scomber japonicus* Houttuyn, 1782\* | B |  | ENIP-CI |
| *Scomberomorus sierra* Jordan & Starks, 1895 | A,B,D,E | PS-PPCH | ITESM,ENIP-CI,ICMYL,UAM-X |
| **SUBORDER STROMATEOIDEI** |  |  |  |
| **FAMILY STROMATEIDAE** |  |  |  |
| *Peprilus medius* (Peters, 1869) | B,D,E | PC-PPCH | ENIP-CI,ICMYL,UAM-X |
| *Peprilus snyderi* Gilbert & Starks, 1904 | B,D,E | PS-PP | ENIP-CI,ICMYL,UAM-X |
| *Peprilus* sp. | A |  | ITESM |
| **ORDER PLEURONECTIFORMES** |  |  |  |
| **FAMILY PARALICHTHYIDAE** |  |  |  |
| *Ancylopsetta dendritica* Gilbert, 1890 | A,B,C,D,E | PC-PP | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |

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| **TABLE 1. (continued)** |  |  |  |
| **Species** | **Ecosystems** | **Ichthyogeographic affinities** | **Record code** |
| *Citharichthys gilberti* Jenkins & Evermann, 1889 | C,D,E | PS-PP | CEC,ICMYL,UAM-X |
| *Citharichthys platophrys* Gilbert, 1891 | B,C,D,E | PC-PPCH | ENIP-CI,CEC,ICMYL,UAM-X |
| *Citharichthys* sp. | C |  | CEC |
| *Citharichthys xanthostigma* Gilbert, 1890 | C | PO-PP | CEC |
| *Cyclopsetta panamensis* (Steindachner, 1876) | B,C,D,E | PC-PP | ENIP-CI,CEC,ICMYL,UAM-X |
| *Cyclopsetta querna* (Jordan & Bollman, 1890) | B,C,D,E | PC-PPCH | ENIP-CI,CEC,ICMYL,UAM-X |
| *Etropus crossotus* Jordan & Gilbert, 1882 | A,B,C,D,E | AN | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |
| *Hippoglossina bollmani* Gilbert, 1890 | C | PS-PP | CEC |
| *Hippoglossina tetrophthalma* (Gilbert, 1890) | A,B,C | PS-PPCH | ITESM,ENIP-CI,CEC |
| *Paralichthys aestuarius* Gilbert & Scofield, 1898 | A | PS-PC | ITESM |
| *Paralichthys woolmani* Jordan & Williams, 1897 | A,C,D,E | PS-PPCH | ITESM,CEC,ICMYL,UAM-X |
| *Syacium latifrons* (Jordan & Gilbert, 1882) | C,D,E | PC-PP | CEC,ICMYL,UAM-X |
| *Syacium longidorsale* Murakami & Amaoka, 1992 | C | PM-PP | CEC |
| *Syacium ovale* (Günther, 1864) | A,B,C,D,E | PC-PP | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |
| *Xystreurys liolepis* Jordan & Gilbert, 1880 | A | PO-PC | ITESM |
| **FAMILY PLEURONECTIDAE** |  |  |  |
| *Pleuronichthys ocellatus* Starks & Thompson, 1910 | A | PC | ITESM |
| **FAMILY BOTHIDAE** |  |  |  |
| *Bothus constellatus* (Jordan, 1889) | C,D,E | PS-PPCH | CEC,ICMYL,UAM-X |
| *Bothus leopardinus* (Günther, 1862) | B,C | PS-PP | ENIP-CI,CEC |
| *Engyophrys sanctilaurentii* Jordan & Bollman, 1890 | B,C,D,E | PS-PPCH | ENIP-CI,CEC,ICMYL,UAM-X |
| *Monolene asaedai* Clark, 1936 | C,D,E | PC-PP | CEC,ICMYL,UAM-X |
| *Monolene dubiosa* Garman, 1899 | E | PC-PP | UAM-X |
| **FAMILY ACHIRIDAE** |  |  |  |
| *Achirus mazatlanus* (Steindachner, 1869) | A,B,C,E | PS-PP | ITESM,ENIP-CI,CEC,UAM-X |
| *Achirus scutum* (Günther, 1862) | C,D,E | PC-PP | CEC,ICMYL,UAM-X |
| *Achirus zebrinus* Clark, 1936 | E |  | UAM-X |
| *Trinectes fimbriatus* (Günther, 1862) | E | PP | UAM-X |
| *Trinectes fonsecensis* (Günther, 1862) | B,C,D,E | PC-PP | ENIP-CI,CEC,ICMYL,UAM-X |
| **FAMILY CYNOGLOSSIDAE** |  |  |  |
| *Symphurus atramentatus* Jordan & Bollman, 1890 | C,E | PC-PPCH | CEC,UAM-X |
| *Symphurus atricaudus* (Jordan & Gilbert, 1880) | D,E | PO-PP | ICMYL,UAM-X |
| *Symphurus chabanaudi* Mahadeva & Munroe, 1990 | B | PC-PP | ENIP-CI |
| *Symphurus elongatus* (Günther, 1868) | B,C,D,E | PM-PP | ENIP-CI,CEC,ICMYL,UAM-X |
| *Symphurus fasciolaris* Gilbert, 1892 | B,C | PC-PP | ENIP-CI,CEC |
| *Symphurus prolatinaris* Munroe, Nizinski & Mahadeva, 1991 | C | PC-PP | CEC |
| *Symphurus* sp. | A |  | ITESM |
| **ORDER TETRAODONTIFORMES** |  |  |  |
| **FAMILY BALISTIDAE** |  |  |  |
| *Balistes polylepis* Steindachner, 1876 | A,B,C,D,E | PA-PPCH | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |
| *Pseudobalistes naufragium* (Jordan & Starks, 1895) | D | PC-PPCH | ICMYL |
| *Sufflamen verres* (Gilbert & Starks, 1904) | C | PS-PP | CEC |
| **FAMILY MONACANTHIDAE** |  |  |  |
| *Aluterus monocerus* (Linnaeus, 1758) | B,C,E | CT | ENIP-CI,CEC,UAM-X |
| *Aluterus scriptus* (Osbeck, 1765) | C,D | CT | CEC,ICMYL |
| **FAMILY TETRAODONTIDAE** |  |  |  |
| *Lagocephalus lagocephalus* (Linnaeus, 1758) \* | C |  | CEC |
| *Sphoeroides angusticeps* (Jenyns, 1842) | D | PP | ICMYL |
| *Sphoeroides annulatus* (Jenyns, 1842) | A,B,C,D,E | PS-PPCH | ITESM,ENIP-CI,CEC,ICMYL,UAM-X |
| *Sphoeroides lobatus* (Steindachner, 1870) | B,C,D,E | PS-PPCH | ENIP-CI,CEC,ICMYL,UAM-X |
| *Sphoeroides sechurae* Hildebrand, 1946 | B,C,E | PC-PP | ENIP-CI,CEC,UAM-X |
| *Sphoeroides trichocephalus* (Cope, 1870) | E | PC-PPCH | UAM-X |
| **FAMILY DIODONTIDAE** |  |  |  |
| *Chilomycterus reticulatus* (Linnaeus, 1758) | C,D | CT | CEC,ICMYL |
| *Diodon holocanthus* Linnaeus, 1758 | B,C,D,E | CT | ENIP-CI,CEC,ICMYL,UAM-X |
| *Diodon hystrix* Linnaeus, 1758 | C,D,E | CT | CEC,ICMYL,UAM-X |