

Appendix P

List of Fish Species Found in the CHSJS Estuary

Species list of fishes, decapod crustaceans and bivalve molluscs collected from the CHSJS Estuary. Species are listed in phylogenetic order.

Common name	Scientific name	Common name	Scientific name
Scallops	<i>Argopecten</i> spp.	Sand perch	<i>Diplectrum formosum</i>
Bay scallop	<i>Argopecten irradians</i>	Belted sandfish	<i>Serranus subligarius</i>
Eastern oyster	<i>Crassostrea virginica</i>	Sunfishes	<i>Lepomis</i> spp.
Pink shrimp	<i>Farfantepenaeus duorarum</i>	Redbreast sunfish	<i>Lepomis auritus</i>
Brackish grass shrimp	<i>Palaemonetes intermedius</i>	Bluegill	<i>Lepomis macrochirus</i>
Riverine grass shrimp	<i>Palaemonetes paludosus</i>	Dollar sunfish	<i>Lepomis marginatus</i>
Daggerblade grass shrimp	<i>Palaemonetes pugio</i>	Redear sunfish	<i>Lepomis microlophus</i>
Longtail grass shrimp	<i>Periclimenes longicaudatus</i>	Spotted sunfish	<i>Lepomis punctatus</i>
Florida grass shrimp	<i>Palaemon floridanus</i>	Largemouth bass	<i>Micropterus salmoides</i>
Snapping shrimp	Alpheidae spp.	Warmouth	<i>Lepomis gulosus</i>
Zostera shrimp	<i>Hippolyte zostericola</i>	Swamp darter	<i>Etheostoma fusiforme</i>
Peppermint shrimp	<i>Lysmata wurdemanni</i>	Bluefish	<i>Pomatomus saltatrix</i>
Rathbun cleaner shrimp	<i>Lysmata rathbunae</i>	Cobia	<i>Rachycentron canadum</i>
Arrow shrimp	<i>Tozeuma carolinense</i>	Live sharksucker	<i>Echeneis naucrates</i>
Squat grass shrimp	<i>Thor dobkini</i>	Whitefinsharksucker	<i>Echeneis neucratoides</i>
Night shrimp	<i>Ambidexter symmetricus</i>	Creville jack	<i>Caranx hippos</i>
Blue crab	<i>Callinectes sapidus</i>	Horse-eye jack	<i>Caranx latus</i>
Ornate blue crab	<i>Callinectes ornatus</i>	Atlantic bumper	<i>Chloroscombrus chrysurus</i>
Swimming crab	<i>Portunus</i> spp.	Leatherjack	<i>Oligoplites saurus</i>
Stone crab	<i>Menippe mercenaria</i>	Lookdown	<i>Selene vomer</i>
Sharpnose shark	<i>Rhizoprionodon terraenovae</i>	Florida pompano	<i>Trachinotus carolinus</i>
Southern stingray	<i>Dasyatis americana</i>	Permit	<i>Trachinotus falcatus</i>
Atlantic stingray	<i>Dasyatis sabina</i>	Gray snapper	<i>Lutjanus griseus</i>
Bluntnose stingray	<i>Dasyatis say</i>	Lane snapper	<i>Lutjanus synagris</i>
Smooth butterfly ray	<i>Gymnura micrura</i>	Yellowtail snapper	<i>Ocyurus chrysurus</i>
Cownose ray	<i>Rhinoptera bonasus</i>	Eucinostomus mojarra	<i>Eucinostomus</i> spp.
Gar	<i>Lepisosteus</i> spp.	Silver mojarra	<i>Eucinostomus argenteus</i>
Longnose gar	<i>Lepisosteus osseus</i>	Silver jenny	<i>Eucinostomus gula</i>
Bowfin	<i>Amia calva</i>	Mottled mojarra	<i>Eucinostomus lefroyi</i>
Ladyfish	<i>Elops saurus</i>	Tidewater mojarra	<i>Eucinostomus harengulus</i>
American eel	<i>Anguilla rostrata</i>	Striped mojarra	<i>Eugerres plumieri</i>
Ocellated moray	<i>Cymnothorax saxicola</i>	Tomtate grunt	<i>Haemulon aurolineatum</i>
Speckled worm-eel	<i>Myrophis punctatus</i>	White grunt	<i>Haemulon plumierii</i>
Shrimp eel	<i>Ophichthus gomesii</i>	Pigfish	<i>Orthopristis chrysoptera</i>
Gulf menhaden	<i>Brevoortia patronus</i>	Pinfish	<i>Lagodon rhomboides</i>
Yellowfin menhaden	<i>Brevoortia smithi</i>	Sheepshead	<i>Archosargus probatocephalus</i>
Atlantic thread herring	<i>Opisthonema oglinum</i>	Spottail pinfish	<i>Diplodus holbrookii</i>
Scaled sardine	<i>Harengula jaguana</i>	Grass porgy	<i>Calamus arctifrons</i>
Spanish sardine	<i>Sardinella aurita</i>	Spotted seatrout	<i>Cynoscion nebulosus</i>
Striped anchovy	<i>Anchoa hepsetus</i>	Silver seatrout	<i>Cynoscion arenarius</i>
Bay anchovy	<i>Anchoa mitchilli</i>	Silver perch	<i>Bairdiella chrysoura</i>
Cuban anchovy	<i>Anchoa cubana</i>	Spot	<i>Leiostomus xanthurus</i>
Lizardfish	<i>Synodus</i> spp.	Southern kingfish	<i>Menticirrhus americanus</i>
Inshore lizardfish	<i>Synodus foetens</i>	Northern kingfish	<i>Menticirrhus saxatilis</i>
Dace	<i>Rhinichthys</i> spp.	Atlantic croaker	<i>Micropogonias undulatus</i>
Coastal shiner	<i>Notropis petersoni</i>	Black drum	<i>Pogonias cromis</i>
Gafftopsail catfish	<i>Bagre marinus</i>	Red drum	<i>Sciaenops ocellatus</i>
Hardhead catfish	<i>Ariopsis felis</i>	Red Drum	<i>Sciaenops ocellatus</i>
Suckermouth catfish	Loricariidae spp.	Atlantic spadefish	<i>Chaetodipterus faber</i>
Gulf toadfish	<i>Opsanus beta</i>	Cichlasoma cichlids	<i>Cichlasoma</i> spp.
Skilletfish	<i>Gobiesox strumosus</i>	Tilapias	<i>Tilapia</i> spp.
Polka-dot batfish	<i>Ogcocephalus cubifrons</i>	Blackchin tilapia	<i>Sarotherodon melanothron</i>
Southern hake	<i>Urophycis floridana</i>	Striped mullet	<i>Mugil cephalus</i>
Band cusk-eel	<i>Ophidion holbrookii</i>	White mullet	<i>Mugil curema</i>
Ballyhoo	<i>Hemiramphus brasiliensis</i>	Whirligig mullet	<i>Mugil gyrans</i>
Silverstripe halfbeak	<i>Hyporhamphus unifasciatus</i>	Northern sennet	<i>Sphyræna borealis</i>
American halfbeak	<i>Hyporhamphus meeki</i>	Great barracuda	<i>Sphyræna barracuda</i>
Needlefish	<i>Strongylura</i> spp.	Slippery dick	<i>Halichoeres bivittatus</i>
Atlantic needlefish	<i>Strongylura marina</i>	Hogfish	<i>Lachnolaimus maximus</i>
Redfin needlefish	<i>Strongylura notata</i>	Emerald parrotfish	<i>Nicholsina usta</i>
Timucu	<i>Strongylura timucu</i>	Southern stargazer	<i>Astroscopus y-graecum</i>
Sheepshead minnow	<i>Cyprinodon variegatus</i>	Banded blenny	<i>Paraclinus fasciatus</i>
Marsh killifish	<i>Fundulus confluentus</i>	Darter goby	<i>Ctenogobius boleosoma</i>

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Common name	Common name	Common name	Common name
Gulf killifish	<i>Fundulus grandis</i>	Emerald goby	<i>Ctenogobius maragdus</i>
Striped killifish	<i>Fundulus similis</i>	Naked goby	<i>Gobiosoma bosc</i>
Rainwater killifish	<i>Lucania parva</i>	Code goby	<i>Gobiosoma robustum</i>
Bluefin killifish	<i>Lucania goodei</i>	Twoscale goby	<i>Gobiosoma longipala</i>
Diamond killifish	<i>Adinia xenica</i>	Clown goby	<i>Microgobius gulosus</i>
Goldspotted killifish	<i>Floridichthys carpio</i>	Spanish mackerel	<i>Scomberomorus maculatus</i>
Eastern mosquitofish	<i>Gambusia holbrooki</i>	Harvestfish	<i>Peprilus paru</i>
Sailfin molly	<i>Poecilia latipinna</i>	Fringed flounder	<i>Etropus crossotus</i>
Silversides	<i>Menidia</i> spp.	Gulf flounder	<i>Paralichthys albigutta</i>
Inland silverside	<i>Menidia beryllina</i>	Southern flounder	<i>Paralichthys lethostigma</i>
Brook silverside	<i>Labidesthes sicculus</i>	Ocellated flounder	<i>Ancylosetta quadricellata</i>
Dusky pipefish	<i>Syngnathus floridae</i>	Blackcheek tonguefish	<i>Symphurus plagiusa</i>
Chain pipefish	<i>Syngnathus louisianae</i>	Hogchoker	<i>Trinectes maculatus</i>
Gulf pipefish	<i>Syngnathus scovelli</i>	Lined sole	<i>Achirus lineatus</i>
Lined seahorse	<i>Hippocampus erectus</i>	Orange filefish	<i>Aluterus schoepfii</i>
Dwarf seahorse	<i>Hippocampus zosterae</i>	Filefish	<i>Monacanthus</i> spp.
Barbfish	<i>Scorpaena brasiliensis</i>	Fringed filefish	<i>Monacanthus ciliatus</i>
Leopard searobin	<i>Prionotus scitulus</i>	Planehead filefish	<i>Stephanolepis hispidus</i>
Bighead searobin	<i>Prionotus tribulus</i>	Cowfish	<i>Ostraciidae</i> spp.
Common snook	<i>Centropomus undecimalis</i>	Scrawled cowfish	<i>Acanthostracion quadricornis</i>
Sea basses	<i>Serranidae</i> spp.	Southern puffer	<i>Sphoeroides nephelus</i>
Black sea bass	<i>Centropristis striata</i>	Bandtail puffer	<i>Sphoeroides spengleri</i>
Red grouper	<i>Epinephelus morio</i>	Striped burrfish	<i>Chilomycterus schoepfii</i>
Gag grouper	<i>Mycteroperca microlepis</i>		