

# Appendix 1

## Knysna Estuary Flora and Fauna

### Macroalgae and Plants

Species nomenclature is in accordance with AlgaeBase ([www.algaebase.org](http://www.algaebase.org)) for macroalgae and the International Plant Name Index ([www.ipni.org](http://www.ipni.org)).

FAMILY	SCIENTIFIC NAME	COMMON NAME
MACROALGAE		
Bonnemaisoniaceae	<i>Asparagopsis taxiformis</i>	Red sea plume
Caulerpaceae	<i>Caulerpa filiformis</i>	Strap caulerpa
Cladophoraceae	<i>Chaetomorpha</i> sp.	None
Cladophoraceae	<i>Cladophora</i> sp.	None
Codiaceae	<i>Codium fragile</i>	Fragile upright codium
Codiaceae	<i>Codium lucasii</i>	None
Codiaceae	<i>Codium tenue</i>	None
Dictyotaceae	<i>Zonaria tournefortii</i>	None
Gelidiaceae	<i>Gelidium pristoides</i>	Saw-edged jelly-weed
Gigartinaceae	<i>Chondrus crispus</i>	Sea moss
Plocamiaceae	<i>Plocamium corallorhiza</i>	Coral plocamium
Rhodomelaceae	<i>Polysiphonia</i> sp.	None
Sargassaceae	<i>Sargassum binderi</i> var. <i>incisifolium</i>	Different-leaved sargassum
Scytosiphonaceae	<i>Iyengaria stellata</i>	Starred cushion
Splachnidiaceae	<i>Splachnidium rugosum</i>	Dead man's fingers
Ulvaceae	<i>Enteromorpha</i> sp.	None
Ulvaceae	<i>Ulva clathrata</i>	Tangleweed
Ulvaceae	<i>Ulva hookeriana</i>	Sea lettuce
Ulvaceae	<i>Ulva lactuca</i>	Sea lettuce
SUBMERGED MACROPHYTES		
Hydrocharitaceae	<i>Halophila ovalis</i>	Spoon grass
Zannichelliaceae	<i>Zannichellia palustris</i>	Horned pondweed
Zosteraceae	<i>Zostera capensis</i>	Cape dwarf-eelgrass
INTERTIDAL AND SUPRATIDAL SALT MARSH		
Aizoaceae	<i>Disphyma crassifolium</i>	Rounded noon-flower
Amaranthaceae	<i>Salicornia capensis</i>	Glasswort/marsh samphire
Amaranthaceae	<i>Salicornia decumbens</i>	Glasswort/marsh samphire
Amaranthaceae	<i>Salicornia littorea</i>	Glasswort/marsh samphire
Amaranthaceae	<i>Salicornia meyeriana</i>	Glasswort/marsh samphire
Amaranthaceae	<i>Salicornia natalensis</i>	Glasswort/marsh samphire
Amaranthaceae	<i>Salicornia pillansii</i>	Glasswort/marsh samphire
Amaranthaceae	<i>Salicornia tegetaria</i>	Glasswort/marsh samphire

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Asteraceae	<i>Cotula coronopifolia</i>	Brass buttons
Asteraceae	<i>Poecilolepis ficoidea</i>	None
Caryophyllaceae	<i>Spergularia glandulosa</i>	Sea-spurry
Chenopodiaceae	<i>Chenolea diffusa</i>	Sout-bossie
Juncaceae	<i>Juncus acutus</i>	Spiny rush
Juncaceae	<i>Juncus kraussii</i>	Incema/Sea rush
Juncaginaceae	<i>Triglochin buchenai</i>	Lower tidal arrow grass
Plantaginaceae	<i>Plantago crassifolia</i>	Fleshy plantain
Plumbaginaceae	<i>Limnolium crustaceophikum</i>	Cape sea lavender
Poaceae	<i>Sporobolus maritimus</i>	Small cordgrass
Poaceae	<i>Sporobolus virginicus</i>	Seashore dropseed
Poaceae	<i>Stenotaphrum secundatum</i>	St. Augustine grass
Rubiaceae	<i>Galium capense</i>	Tiny-tots
Theophrastaceae	<i>Samolus porosus</i>	Water pimpernel

### SALT MARSH/TERRRESTRIAL ECOTONE

Aizoaceae	<i>Carpobrotus edulis</i>	Hottentot-fig
Aizoaceae	<i>Drosanthemum candens</i>	Sea dew vygie
Aizoaceae	<i>Aizoon secundum</i>	Comb brackbush
Aizoaceae	<i>Tetragonia decumbens</i>	Dune spinach
Aizoaceae	<i>Tetragonia fruticosa</i>	Kinkelbossie
Amaranthaceae	<i>Atriplex semibaccata</i>	Berry saltbush
Amaranthaceae	<i>Chenopodium phillipsianum</i>	Nama goosefoot
Asteraceae	<i>Gazania linearis</i>	Treasure flower
Asteraceae	<i>Nidorella ivifolia</i>	Bakbos
Asteraceae	<i>Nidorella pinnatifida</i>	Veldkruid
Asteraceae	<i>Senecio juniperinus</i>	None
Asteraceae	<i>Senecio pterophorus</i>	Common ragwort
Campanulaceae	<i>Lobelia anceps</i>	Angled lobelia
Crassulaceae	<i>Crassula biplanata</i>	Klipblom
Malvaceae	<i>Anisodonteia scabrosa</i>	Sandroos
Poaceae	<i>Diplachne fusca</i>	Sprangletop
Poaceae	<i>Ehrharta calycina</i>	Perennial veldt-grass
Poaceae	<i>Pentaschistis aspera</i>	None
Primulaceae	<i>Samolus valerandi</i>	Seaside brookweed
Rubiaceae	<i>Anthospermum prostratum</i>	Creeping flowerseed

### REEDS AND SEDGES

Cyperaceae	<i>Cyperus crassipes</i>	None
Cyperaceae	<i>Cyperus laevigatus</i>	Smooth flatsedge
Cyperaceae	<i>Isolepis cernua</i>	Fibre optic grass
Cyperaceae	<i>Schoenoplectus scirpoides</i>	Steekgrassie
Poaceae	<i>Phragmites australis</i>	Common reed
Polygonaceae	<i>Rumex</i> sp.	Sorrel
Typhaceae	<i>Typha capensis</i>	Cape bulrush

## Invertebrates

All species nomenclature follows that given in the current World Register of Marine Species ([www.marinespecies.org](http://www.marinespecies.org)), as accessed during July/August 2020. Records of molluscs based only on untenanted shells are not included.

FAMILY	SCIENTIFIC NAME	COMMON NAME
<b>PORIFERANS (Sponges)</b>		
Halichondriidae	<i>Hymeniacidon perlevis</i>	Breadcrumb sponge
<b>CNIDARIA (Hydroids, anemones, soft-corals, jellyfish, etc.)</b>		
Actiniidae	<i>Actinia ebhayiensis</i>	Plum anemone
Actiniidae	<i>Bunodactis reynaudi</i>	Sandy anemone
Actiniidae	<i>Bunodosoma capense</i>	Knobbly anemone
Actiniidae	<i>Korsaranthus natalensis</i>	Candy-striped anemone
Actiniidae	<i>Pseudactinia flagellifera</i>	False plum anemone
Alcyoniidae	<i>Alcyonium fauri</i>	Purple soft coral
Cerianthidae	<i>Ceriantheopsis</i> sp.	Tube anemone
Eudendriidae	<i>Eudendrium deciduum</i>	None
Gorgonidae	<i>Eunicella albicans</i>	Flagellar sea fan
Halcampidae	<i>Halcampaster teres</i>	Eelgrass anemone
Hydractiniidae	<i>Hydractinia kaffraria</i>	Tick-shell hydroid
Melithaeidae	<i>Melithaea</i> sp.	Soft coral
Parasphaerascleridae	<i>Parasphaerasclera</i> sp.	Soft coral
Pelagiidae	<i>Chrysaora</i> sp.	Compass jellyfish
Pelagiidae	<i>Pelagia noctiluca</i>	Night-light jellyfish
Physaliidae	<i>Physalia physalis</i>	Bluebottle
Rhizostomatidae	<i>Eupilema inexpectata</i>	Root-mouth jellyfish
Sagartiidae	<i>Anthothoe stimpsonii</i>	Striped anemone
<b>XENACOELOMORPHS and PLATYHELMINTHS (Flatworms)</b>		
Convolutidae	<i>Symsagittifera mcnaei</i>	None
Notocomplanidae	<i>Notocomplana erythrotaenia</i>	Limpet flatworm
Planoceridae	<i>Planocera gilchristi</i>	Gilchrist's flatworm
Polycladida	At least two species	Polyclad flatworms
Pseudocerotidae	<i>Thysanozoon brocchii</i>	Carpet flatworm
<b>NEMERTINES (Ribbon worms)</b>		
Polybrachiorhynchidae	<i>Polybrachiorhynchus dayi</i>	Ribbon worm
Nemertina	At least six species	Ribbon worms
<b>ANNELIDS (Segmented worms)</b>		
Ampharetidae	At least one species	None
Amphinomidae	<i>Eurythoe complanata</i>	Fire worm
Arenicolidae	<i>Arenicola loveni</i>	Bloodworm
Capitellidae	<i>Notomastus fauvelii</i>	None
Capitellidae	At least three other species	None
Chaetopteridae	<i>Chaetopterus</i> sp.	None

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Chaetopteridae	<i>Mesochaetopterus</i> sp.	None
Chrysopetalidae	<i>Bhawania goodei</i>	None
Cirratulidae	<i>Caulleriella capensis</i>	None
Cirratulidae	<i>Cirriformia</i> spp.	Thread-gilled worms
Cirratulidae	At least one species	None
Dorvilleidae	<i>Schistomeringos</i> sp.	None
Eunicidae	<i>Eunice aphroditois</i>	Bobbit worm
Eunicidae	<i>Lysidice natalensis</i>	Mussel worm
Eunicidae	<i>Marphysa haemasoma</i>	Estuarine wonder-worm
Euphrosinidae	<i>Euphrosine capensis</i>	Plump bristleworm
Fabriciidae	<i>Oriopsis parvula</i>	None
Fabriciidae	<i>Pseudofabriciola capensis</i>	None
Flabelligeridae	<i>Flabelligera affinis</i>	None
Flabelligeridae	<i>Piromis arenosus</i>	None
Glyceridae	<i>Glycera tridactyla</i>	None
Hesionidae	At least three species	None
Lumbrineridae	<i>Lumbrineris coccinea</i>	None
Lumbrineridae	<i>Scoletoma tetraura</i>	None
Magelonidae	<i>Magelona</i> sp.	None
Magelonidae	<i>Euclymene lumbricoides</i>	Bamboo worm
Magelonidae	<i>Johnstonia knysna</i>	Bamboo worm
Nephtyidae	<i>Nephtys capensis</i>	None
Nephtyidae	<i>Nephtys tulearensis</i>	None
Nereididae	<i>Ceratonereis keiskama</i>	None
Nereididae	<i>Perinereis falsovariegata</i>	None
Nereididae	<i>Perinereis namibia</i>	None
Nereididae	<i>Platynereis entshonae</i>	None
Nereididae	<i>Pseudonereis podicirra</i>	Mussel worm
Nereididae	<i>Simplisetia erythraeensis</i>	Estuarine nereis
Nereididae	Another four species	None
Oeonidae	<i>Arabella iricolor</i>	None
Oeonidae	<i>Oenone fulgida</i>	None
Onuphidae	<i>Diopatra aciculata</i>	Moonshine worm
Opheliidae	At least one species	None
Orbiniidae	<i>Naineris laevigata</i>	None
Orbiniidae	<i>Orbinia angrapequensis</i>	Woolly worm
Orbiniidae	<i>Orbinia monroi</i>	Woolly worm
Orbiniidae	<i>Scoloplos</i> spp.	None
Paraonidae	<i>Paradoneis lyra capensis</i>	None
Pectinariidae	<i>Amphictene capensis</i>	None
Pectinariidae	<i>Lagis koreni</i>	None
Phyllodocidae	At least five species	Paddle worms
Polynoidae	At least three species	Scale worms
Sabellariidae	<i>Gunnarea gaimardi</i>	Cape reef worm

Sabellidae	<i>Branchiomma</i> spp.	Fanworm
Sabellidae	<i>Desdemonia ?ornata</i>	None
Sabellidae	<i>Pseudobranchiomma longa</i>	Featherduster worm
Sabellidae	<i>Pseudopotamilla reniformis</i>	Gregarious fanworm
Sabellidae	<i>Sabella</i> sp.	Fanworm
Sabellidae	Several more species present	Fanworms
Serpulidae	<i>Serpula vermicularis</i>	Operculate fanworm
Serpulidae	<i>Spirobranchus kraussii</i>	Blue coral-worm
Serpulidae	<i>Spirorbis</i> spp.	Fanworms
Sigalionidae	At least two species	None
Spionidae	<i>Aonides oxycephala</i>	None
Spionidae	<i>Atherospio</i> sp. nov	None
Spionidae	<i>Boccardia proboscidea</i>	None
Spionidae	<i>Boccardia pseudonatrix</i>	None
Spionidae	<i>Dipolydora socialis</i>	None
Spionidae	<i>Malacoceros indica</i>	None
Spionidae	<i>Paraprionospio pinnata</i>	None
Spionidae	<i>Polydora</i> c.f. <i>caulleryi</i>	None
Spionidae	<i>Polydora</i> c.f. <i>nuchalis</i>	None
Spionidae	<i>Polydora hoplura</i>	None
Spionidae	<i>Prionospio sexoculata</i>	None
Spionidae	<i>Pseudopolydora</i> c.f. <i>antennata</i>	None
Spionidae	<i>Pseudopolydora</i> c.f. <i>kempi</i>	None
Spionidae	At least three other species	None
Syllidae	At least three species	None
Terebellidae	<i>Loimia medusa</i>	Tangleworm
Terebellidae	<i>Nicolea macrobranchia</i>	Tangleworm
Terebellidae	<i>Telothelepus capensis</i>	Tangleworm
Terebellidae	<i>Terebella plagiostoma</i>	Tangleworm
Terebellidae	<i>Terebella pterochaeta</i>	Tangleworm
Terebellidae	<i>Thelepus setosus</i>	Tangleworm
Tubificidae	At least one species	Oligochaete

#### SIPUNCULANS (Peanut worms)

Golfingiidae	<i>Golfingia capensis</i>	Peanut worm
Golfingiidae	<i>Themiste minor</i>	Peanut worm
Siphonosomatidae	<i>Siphonosoma dayi</i>	Peanut worm

#### BRYOZOANS

Beaniidae	<i>Beania</i> sp.	Lace bryozoan
Bugulidae	<i>Bicellariella</i> sp.	None
Bugulidae	<i>Bugula neritina</i>	None
Candidae	<i>Menipea crispa</i>	None

Membraniporidae	<i>Membranipora rustica</i>	None
Phidolophoridae	<i>Schizoretepora tessellata</i>	None
Vesiculariidae	<i>Amathia</i> sp.	None
Watersiporidae	<i>Watersipora subtorquata</i>	None

CLADOCERAN CRUSTACEANS

Sididae	<i>Penilia avirostris</i>	None
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COPEPOD CRUSTACEANS

Acartidae	<i>Paracartia africana</i>	None
Acartidae	<i>Paracartia longipatella</i>	None
Acartidae	<i>Acartiella natalensis</i>	None
Calanidae	<i>Calanoides carinatus</i>	None
Centropagidae	<i>Centropages brachiatus</i>	None
Clausidiidae	<i>Clausidium</i> sp.	None
Clausidiidae	<i>Saphiriella stages</i>	None
Clausocalanidae	<i>Clausocalanus furcatus</i>	None
Clausocalanidae	<i>Clausocalanus laticeps</i>	None
Corycaeidae	<i>Corycaeus</i> sp.	None
Corycaeidae	<i>Ditrichocorycaeus africana</i>	None
Corycaeidae	<i>Ditrichocorycaeus tenuis</i>	None
Cyclopidae	<i>Cyclops</i> sp.	None
Ectinosomatidae	<i>Micosetella rosea</i>	None
Halicyclopsidae	<i>Halicyclops</i> sp.	None
Harpacticidae	At least two species	None
Miracidae	<i>Amphiascus</i> sp.	None
Oithonidae	<i>Dioithona oculata</i>	None
Oithonidae	<i>Oithona brevirostris brevirostris</i>	None
Oithonidae	<i>Oithona nana</i>	None
Oithonidae	<i>Oithona similis</i>	None
Oncaeidae	<i>Oncaea mediterranea mediterranea</i>	None
Oncaeidae	<i>Monothula subtilis</i>	None
Paracalanidae	<i>Paracalanus aculeatus</i>	None
Paracalanidae	<i>Paracalanus crassirostris</i>	None
Paracalanidae	<i>Paracalanus parvus</i>	None
Pseudodiaptomidae	<i>Pseudodiaptomus hessei</i>	None
Pseudodiaptomidae	<i>Pseudodiaptomus nudus</i>	None
Tachidiidae	<i>Euterpina acutifrons</i>	None

OSTRACOD CRUSTACEANS (Seed-shrimps or mussel shrimps)

Bairdiidae	<i>Bairdia</i> sp.	None
Candonidae	<i>Aglaiocypris railbridgensis</i>	None
Candonidae	<i>Paracypris</i> sp.	None
Candonidae	<i>Tasmanocypris westfordensis</i>	None

Cylindroleberididae	<i>Cylindroleberis</i> c.f. <i>grimaldi</i>	None
Cytherettidae	<i>Garciaella knysnaensis</i>	None
Cytherettidae	<i>Cyprideis remanei</i>	None
Cytherettidae	<i>Perissocytheridea estuaria</i>	None
Cytherettidae	<i>Sulcostocythere knysnaensis</i>	None
Hemicytheridae	<i>Aurila</i> sp.	None
Hemicytheridae	<i>Caudites knysnaensis</i>	None
Hemicytheridae	<i>Finmarchinella</i> sp.	None
Hemicytheridae	<i>Hemicythere</i> sp.	None
Hemicytheridae	<i>Urocythereis</i> sp.	None
Loxoconchidae	<i>Loxoconcha megapora</i>	None
Loxoconchidae	<i>Loxoconcha parameridionalis</i>	None
Paradoxostomatidae	<i>Paradoxostoma auritum</i>	None
Rutidermatidae	<i>Rutiderma compressa</i>	None
Thaerocytheridae	<i>Bradleya</i> sp.	None
Trachyleberididae	<i>Mutilus</i> sp.	None
Xestoleberididae	<i>Xestoleberis capensis</i>	None
Xestoleberididae	<i>Xestoleberis ramosa</i>	None

#### CIRRIPEDA CRUSTACEANS (Barnacles)

Balanidae	<i>Amphibalanus amphitrite</i>	Striped barnacle
Balanidae	<i>Notomegabalanus algicola</i>	White dwarf barnacle
Balanidae	<i>Solidobalanus elizabethae</i>	Estuarine barnacle
Chthamalidae	<i>Chthamalus dentatus</i>	Toothed barnacle
Chthamalidae	<i>Octomeris angulosa</i>	Eight-shell barnacle
Tetraclitidae	<i>Tetraclita serrata</i>	Volcano barnacle

#### PERACARIDAN CRUSTACEANS (Amphipods, isopods, tanaids, mysids and others)

Amaryllidae	<i>Amaryllis macropthalma</i>	None
Ampeliscidae	<i>Ampelisca spinimana</i>	None
Ampithoeidae	<i>Ampithoe africana</i>	None
Ampithoeidae	<i>Cymadusa 'filosa'</i>	Nesting amphipod
Anthuridae	<i>Cyathura estuaria</i>	None
Aoridae	<i>Autonoe hirsutipes</i>	None
Aoridae	<i>Grandidierella lignorum</i>	None
Aoridae	<i>Lembos hypacanthus</i>	None
Aoridae	Unidentified species of c.f. <i>Bemlos</i>	None
Atylidae	<i>Nototropis</i> sp.	None
Bodotriidae	<i>Iphinoe truncata</i>	None
Caprellidae	<i>Caprella equilibra</i>	Skeleton shrimp
Chiltoniidae	<i>Afrochiltonia capensis</i>	None
Cirolanidae	<i>Cirolana fluviatilis</i>	Beach louse
Cirolanidae	<i>Eurydice longicornis</i>	Beach louse
Cirolanidae	<i>Exocirolana latipes</i>	Beach louse
Corallanidae	<i>Corallana africana</i>	None

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Corophiidae	<i>Americorophium triaenonyx</i>	None
Corophiidae	<i>Monocorophium acherusicum</i>	None
Cyproideidae	<i>Cyproidea ornata</i>	Ornate amphipod
Detonidae	<i>Deto echinata</i>	None
Eriopisidae	<i>Victoriopisa chilensis</i>	None
Hyalidae	<i>Apohyale grandicornis</i>	Seaweed amphipod
Hyalidae	<i>Protohyale maroubrae</i>	None
Hyalidae	<i>Ptilohyale plumosus</i>	None
Idoteidae	<i>Paridotea unguata</i>	Green weed louse
Ischyroceridae	<i>Erichthonius brasiliensis</i>	None
Ischyroceridae	<i>Jassa falcata</i>	None
Ischyroceridae	<i>Jassa slatteryi</i>	None
Janiridae	<i>Ianiropsis palpalis</i>	None
Leptocheiliidae	<i>Leptocheilia</i> sp.	None
Ligiidae	<i>Ligia natalensis</i>	Sea-slater
Limnoriidae	<i>Limnoria</i> sp.	Gribble
Lysianassidae	<i>Lysianassa ceratina</i>	None
Maeridae	<i>Ceradocus rubromaculatus</i>	None
Melitidae	<i>Melita orgasmos</i>	None
Melitidae	<i>Melita zeylanica</i>	None
Mysidae	<i>Gastrosaccus brevifissura</i>	None
Mysidae	<i>Mesopodopsis africana</i> (wooldridgei?)	None
Mysidae	<i>Mysidopsis similis</i>	None
Mysidae	<i>Rhopalophthalmus terranatalis</i>	None
Nebaliidae	<i>Nebalia capensis</i>	None
Oedicerotidae	<i>Perioculodes</i> sp.	None
Parapseudidae	<i>Halmyrapseudes cooperi</i>	None
Podoceridae	<i>Podocerus cristatus</i>	None
Pontogeneiidae	<i>Paramoera capensis</i>	None
Sphaeromatidae	<i>Dynamene bidentata</i>	Horned isopod
Sphaeromatidae	<i>Exosphaeroma hylecoetes</i>	None
Sphaeromatidae	<i>Exosphaeroma planum</i>	None
Sphaeromatidae	<i>Exosphaeroma varicolor</i>	None
Sphaeromatidae	<i>Exosphaeroma kraussi</i>	None
Sphaeromatidae	<i>Exosphaeroma truncatitelson</i>	None
Sphaeromatidae	<i>Ischyromene australis</i>	None
Sphaeromatidae	<i>Ischyromene huttoni</i>	None
Sphaeromatidae	<i>Ischyromene scabricula</i>	None
Sphaeromatidae	<i>Paracerceis sculpta</i>	None
Sphaeromatidae	<i>Parisocladus stimpsoni</i>	None
Sphaeromatidae	<i>Pseudosphaeroma barnardi</i>	None
Sphaeromatidae	<i>Sphaeroma terebrans</i>	None
Stenothoidae	<i>Stenothoe gallensis</i>	None
Stenothoidae	<i>Wallametopa cylindrica</i>	None



Talitridae	<i>Eorchestia rectipalma</i>	Beach hopper
Talitridae	<i>Orchestia gammarellus</i>	Beach hopper
Talitridae	<i>Orchestia inaequalipes</i>	Beach hopper
Talitridae	<i>Platorchestia platensis</i>	Beach hopper
Talitridae	<i>Talorchestia capensis</i>	Beach hopper
Tanaididae	<i>Zeuxoides helleri</i>	None
Tryphosidae	<i>Orchomene plicatus</i>	None
Tylidae	<i>Tylos capensis</i>	None
Urothoidae	<i>Urothoe coxalis</i>	None
Urothoidae	<i>Urothoe platypoda</i>	None
Urothoidae	<i>Urothoe pulchella</i>	None

#### DECAPOD CRUSTACEANS (Shrimps, prawns, crabs, etc.)

Alpheidae	<i>Alpheus</i> sp.	Cracker shrimp
Alpheidae	<i>Betaeus jucundus</i>	Commensal shrimp
Alpheidae	<i>Synalpheus tumidomanus</i>	Cracker shrimp
Callichiridae	<i>Kraussillichirus kraussi</i>	Sandprawn
Camptandriidae	<i>Danielella edwardsii</i>	Sandflat crab
Camptandriidae	<i>Paratyloidiplax algoense</i>	Hairy-eyed crab
Diogenidae	<i>Diogenes brevirostris</i>	Sand hermit-crab
Epialtidae	<i>Acanthonyx dentatus</i>	Decorator crab
Galatheidae	<i>Galathea intermedia</i>	Squat lobster
Grapsidae	<i>Metopograpsus cannicci</i>	Estuarine rock crab
Hexapodidae	<i>Spiroplax spiralis</i>	Three-legged crab
Hippolytidae	<i>Hippolyte kraussiana</i>	Broken-backed shrimp
Hymenosomatidae	<i>Hymenosoma orbiculare</i>	Crown crab
Inachidae	<i>Macropodia falcifera</i>	Long-legged spider crab
Leucosiidae	<i>Leucisca squalina</i>	Nut crab
Ocypodidae	<i>Ocypode ceratophthalmus</i>	Horned ghost crab
Ocypodidae	<i>Ocypode ryderi</i>	Ghost crab
Ocypodidae	<i>Austruca occidentalis</i>	Fiddler crab
Palaemonidae	<i>Palaemon peringueyi</i>	Sand shrimp
Portunidae	<i>Scylla serrata</i>	Giant mud crab
Sesarmidae	<i>Cristarma eulimene</i>	Marsh crab
Sesarmidae	<i>Parasesarma catenatum</i>	Marsh crab
Upogebiidae	<i>Upogebia africana</i>	Mudprawn
Varunidae	<i>Cyclograpsus punctatus</i>	Shore crab

#### OTHER ARTHROPODS (Insects, spiders and sea-spiders)

Anyphaenidae	<i>Amaurobioides africanus</i>	Chevron shore spider
Chironomidae	At least two species	Midge larvae
Coelopidae	At least two species	Sand fly
Desidae	<i>Desis formidabilis</i>	Shore spider
Dolichopodidae	At least one species	Long-legged fly larvae
Neanuridae	<i>Anurida maritima</i>	Shore springtail

Pycnogona	At least two species	Sea spider
Staphylinidae	At least two species	Staphylinid beetle

POLYPLACOPHORAN MOLLUSCS (Chitons)

Acanthochitonidae	<i>Acanthochitona garnoti</i>	Spiny chiton
Chaetopleuridae	<i>Dinoplax gigas</i>	Giant chiton
Chitonidae	<i>Rhysoplax polita</i>	Tulip chiton
Ischnochitonidae	<i>Ischnochiton oniscus</i>	Dwarf chiton
Ischnochitonidae	<i>Ischnochiton textilis</i>	Textile chiton

GASTROPOD MOLLUSCS (Snails, slugs, etc.)

Aglajidae	<i>Philinopsis capensis</i>	None
Aglajidae	<i>Philinopsis speciosa</i>	Assassin bubble-shell
Akeridae	<i>Akera soluta</i>	Papery bubble shell
Anabathridae	<i>Afriscrobs ampliorscapus</i>	None
Aplysiidae	<i>Aplysia juliana</i>	Spotted sea hare
Aplysiidae	<i>Aplysia oculifera</i>	Spotted sea hare
Aplysiidae	<i>Aplysia parvula</i>	Sea hare
Aplysiidae	<i>Bursatella leachii</i>	Shaggy sea hare
Assimineidae	' <i>Assimineae</i> ' <i>capensis</i>	None
Assimineidae	' <i>Assimineae</i> ' <i>globulus</i>	None
Assimineidae	' <i>Assimineae</i> ' <i>ovata</i>	None
Buccinidae	<i>Afrocominella capensis</i>	Whelk
Buccinidae	<i>Burnupena catarrhacta</i>	Flame-patterned burnupena
Buccinidae	<i>Burnupena cincta</i>	Ridged burnupena
Buccinidae	<i>Burnupena lagenaria</i>	Variable burnupena
Buccinidae	<i>Burnupena limbosa</i>	None
Buccinidae	<i>Burnupena pubescens</i>	Pubescent burnupena
Caecidae	<i>Caecum knysnaense</i>	None
Calyptraeidae	<i>Crepidula porcellana</i>	Slipper limpet
Cerithiopsidae	<i>Cerithiopsis</i> sp.	None
Chromodorididae	<i>Goniobranchus</i> sp.	None
Chromodorididae	<i>Hypseleotris carnea</i>	None
Chromodorididae	<i>Hypselodoris capensis</i>	Cape dorid
Columbellidae	<i>Anachis kraussi</i>	None
Columbellidae	<i>Mitrella albuginosa</i>	None
Cornirostridae	<i>Cornirostra</i> sp.	None
Coryphellidae	<i>Fjordia capensis</i>	None
Cylichnidae	<i>Cylichna tubulosa</i>	Barrel shell
Dendrodorididae	<i>Dendrodoris caesia</i>	Blue-speckled dorid
Discodorididae	<i>Jorunna tomentosa</i>	None
Dorididae	<i>Doriopsis granosa</i>	None
Dorididae	<i>Doriopsis granulosa</i>	Warty dorid
Dorididae	<i>Doris ananas</i>	None
Dorididae	<i>Doris verrucosa</i>	None

Dotidae	<i>Doto</i> sp.	None
Eatoniellidae	<i>Eatoniella afronigra</i>	None
Ellobiidae	<i>Myosotella myosotis</i>	Mouse-eared snail
Eubranchidae	At least two species of <i>Eubranchus</i>	None
Facelinidae	At least two species of <i>Cratena</i>	None
Facelinidae	<i>Facelina olivacea</i>	None
Facelinidae	<i>Favorinus ghanensis</i>	None
Fissurellidae	<i>Dendrofissurella scutellum</i>	Saddle keyhole limpet
Fissurellidae	<i>Fissurella mutabilis</i>	Cape keyhole limpet
Goniodorididae	<i>Ancula</i> sp.	None
Goniodorididae	<i>Goniodoris mercuriaris</i>	None
Haliotidae	<i>Haliotis spadicea</i>	Green bubble shell
Hermaeidae	<i>Aplysiopsis sinusmensalis</i>	None
Hydrobiidae	' <i>Hydrobia</i> ' <i>knysnaensis</i>	None
Janolidae	<i>Antiopella capensis</i>	Cape silvertip nudibranch
Limopontiidae	<i>Placida</i> sp.	None
Litiopidae	<i>Alaba pinnae</i>	None
Littorinidae	<i>Afrolittorina africana</i>	African periwinkle
Littorinidae	<i>Afrolittorina knysnaensis</i>	Knysna periwinkle
Littorinidae	<i>Littoraria scabra</i>	Estuarine periwinkle
Littorinidae	<i>Littorina saxatilis</i>	European wrinkle
Marginellidae	<i>Volvarina zonata</i>	Marginella
Muricidae	<i>Indothais dubia</i>	Dogwhelk
Muricidae	<i>Mancinella capensis</i>	Whelk
Muricidae	<i>Nucella dubia</i>	Dogwhelk
Myrrhinidae	<i>Godiva quadricolor</i>	Four-colour sea slug
Nassariidae	<i>Bullia annulata</i>	Plough shell
Nassariidae	<i>Bullia laevissima</i>	Plough shell
Nassariidae	<i>Nassarius kraussianus</i>	Tick shell
Naticidae	<i>Neverita didyma</i>	Moon shell
Naticidae	<i>Tectonatica tecta</i>	Necklace shell
Neritidae	<i>Nerita albicilla</i>	Blotched nerite
Neritidae	<i>Smaragdia souverbiana</i>	None
Onchidiidae	At least one species	Airbreathing sea slug
Orbitestellidae	<i>Orbitestella gemmulata</i>	None
Oxynoidae	<i>Oxynoe</i> sp. <i>nov</i>	None
Patellidae	<i>Cymbula granatina</i>	Granite limpet
Patellidae	<i>Cymbula miniata</i>	Pink-rayed limpet
Patellidae	<i>Cymbula oculus</i>	Goat's eye limpet
Patellidae	<i>Helcion concolor</i>	Variable limpet
Patellidae	<i>Helcion pectunculus</i>	Broad rayed-limpet
Patellidae	<i>Scutellastra argenvillei</i>	Argenville's limpet
Patellidae	<i>Scutellastra barbara</i>	Bearded limpet
Patellidae	<i>Scutellastra cochlear</i>	Pear limpet

Patellidae	<i>Scutellastra granularis</i>	Granular limpet
Patellidae	<i>Scutellastra longicosta</i>	Long-spined limpet
Phasianellidae	<i>Tricolia capensis</i>	Pheasant shell
Phasianellidae	<i>Tricolia neritina</i>	Pheasant shell
Philinidae	<i>Philine aperta</i>	Sand slug
Plakobranchidae	At least three <i>Elysia</i> spp.	None
Pleurobranchidae	<i>Berthellina granulata</i>	Lemon pleurobranch
Pleurobranchidae	<i>Pleurobranchus nigropunctatus</i>	None
Polyceridae	<i>Crimora</i> sp.	None
Polyceridae	<i>Limacia clavigera</i>	Orange-clubbed nudibranch
Polyceridae	<i>Limacia lucida</i>	None
Polyceridae	<i>Polycera capensis</i>	Crowned sea slug
Polyceridae	<i>Polycera hedgpethi</i>	None
Polyceridae	<i>Thecacera pennigera</i>	None
Potamididae	<i>Cerithidea decollata</i>	Truncated mangrove snail
Pyramidellidae	<i>Polyspirella trachealis</i>	None
Pyramidellidae	<i>Pyramidella africana</i>	None
Retusidae	At least one species	None
Rissoidae	<i>Alvania argentea</i>	None
Rissoidae	<i>Alvania fenestrata</i>	None
Scyllaeidae	<i>Notobryon thompsoni</i>	None
Siphonariidae	<i>Siphonaria capensis</i>	Cape false-limpet
Siphonariidae	<i>Siphonaria compressa</i>	Eelgrass false-limpet
Siphonariidae	<i>Siphonaria concinna</i>	False-limpet
Siphonariidae	<i>Siphonaria oculus</i>	False-limpet
Siphonariidae	<i>Siphonaria serrata</i>	False-limpet
Thiaridae	<i>Melanoides tuberculata</i>	Red-rimmed melania
Tornatinidae	At least one species	None
Tornidae	At least one species	None
Trinchesiidae	<i>Trinchesia</i> species complex	None
Tritoniidae	<i>Marionia</i> sp.	None
Trochidae	<i>Gibbula beckeri</i>	Topshell
Trochidae	<i>Gibbula capensis</i>	Topshell
Trochidae	<i>Gibbula cicer</i>	Topshell
Trochidae	<i>Oxystele antoni</i>	Topshell
Trochidae	<i>Oxystele imperoia</i>	Beaded topshell
Trochidae	<i>Oxystele sinensis</i>	Pink-lipped topshell
Trochidae	<i>Oxystele tigrina</i>	Tiger topshell
Turbinidae	<i>Turbo cidaris</i>	Turban shell
Turbinidae	<i>Turbo sarmaticus</i>	Alikreukel
Turritellidae	<i>Turritella capensis</i>	Screw shell
Turritellidae	<i>Turritella carinata</i>	Screw shell
Volvatellidae	<i>Volvatella laguncula</i>	None

## LAMELLIBRANCH MOLLUSCS (Bivalves)

Anomiidae	<i>Anomia achaeus</i>	Saddle oyster
Arcidae	<i>Barbatia obliquata</i>	Oblique ark shell
Cardiidae	<i>Fulvia natalense</i>	Papery cockle
Carditidae	<i>Cardita variegata</i>	False cockle
Cassidae	<i>Semicassis zeylanica</i>	Helmet shell
Hiatellidae	<i>Hiatella arctica</i>	None
Lasaeidae	<i>Kellia rotunda</i>	None
Lasaeidae	<i>Lasaea turtoni</i>	Dwarf rusty clam
Limidae	<i>Limaria rotundata</i>	File shell
Lucinidae	<i>Anodontia</i> sp.	Toothless platter shell
Lucinidae	<i>Loripes clausus</i>	Smooth platter shell
Mactridae	<i>Lutraria</i> sp.	Otter shell
Mactridae	<i>Mactra glabrata</i>	Smooth trough shell
Mytilidae	<i>Arcuatula capensis</i>	Estuarine mussel
Mytilidae	<i>Choromytilus meridionalis</i>	Black mussel
Mytilidae	<i>Mytilus galloprovincialis</i>	Mediterranean mussel
Mytilidae	<i>Perna perna</i>	Brown mussel
Nuculidae	<i>Nucula nucleus</i>	Nut shell
Ostreidae	<i>Striostrea margaritacea</i>	Cape rock oyster
Pholadidae	<i>Pholas dactylus</i>	Piddock
Pinnidae	<i>Atrina squamifera</i>	Horse mussel
Psammobiidae	<i>Hiatula capensis</i>	Sand tellin
Solenidae	<i>Solen capensis</i>	Pencil bait
Tellinidae	<i>Gastrana matadoa</i>	Ridged tellin

## Fishes

Common and scientific names of the 119 fish species recorded in the Knysna Estuary. Species nomenclature is in accordance with Eschmeyer's Catalog of Fishes ([www.calacademy.org](http://www.calacademy.org)). Fish species that have a strong association with South African estuaries are indicated by \*.

FAMILY	SCIENTIFIC NAME	COMMON NAME
OSTEICHTHYS (Bony fishes)		
Anguillidae	<i>Anguilla mossambica</i> *	Longfin eel
Ariidae	<i>Galeichthys feliceps</i> *	White seacatfish
Atherinidae	<i>Atherina breviceps</i> *	Cape silverside
Blenniidae	<i>Istiblennius dussumieri</i>	Streaky rockskipper
Blenniidae	<i>Omobranchus woodi</i> *	Kappie blenny
Chaetodontidae	<i>Chaetodon marleyi</i>	Doublesash butterflyfish
Chanidae	<i>Chanos chanos</i> *	Milkfish
Carangidae	<i>Alectis indica</i>	Indian threadfish
Carangidae	<i>Caranx heberi</i>	Blacktip kingfish
Carangidae	<i>Caranx sexfasciatus</i> *	Bigeye kingfish
Carangidae	<i>Lichia amia</i> *	Leervis
Carangidae	<i>Trachurus capensis</i>	Cape horse mackerel
Centrarchidae	<i>Lepomis macrochirus</i>	Bluegill sunfish
Cheilodactylidae	<i>Cheilodactylus pixi</i>	Barred fingerfin
Clinidae	<i>Clinus agilis</i>	Agile klipfish
Clinidae	<i>Clinus superciliosus</i> *	Super klipfish
Clupeidae	<i>Etremeus whiteheadi</i>	Whitehead's roundherring
Clupeidae	<i>Gilchristella aestuaria</i> *	Estuarine roundherring
Clupeidae	<i>Sardinops ocellatus</i>	South African pilchard
Congridae	<i>Conger wilsoni</i>	Cape conger
Coryphaenidae	<i>Coryphaena hippurus</i>	Common dolphinfish
Dasyatidae	<i>Dasyatis chrysonota</i>	Blue stingray
Dichistiidae	<i>Dichistius capensis</i>	Galjoen
Diodontidae	<i>Diodon hystrix</i>	Porcupine fish
Eleotridae	<i>Eleotris fusca</i> *	Dusky sleeper
Elopidae	<i>Elops machnata</i> *	Skipjack
Engraulidae	<i>Engraulis capensis</i>	South African anchovy
Engraulidae	<i>Stolephorus holodon</i> *	Thorny anchovy
Fistulariidae	<i>Fistularia commersonii</i> *	Smooth flutemouth
Gobiesocidae	<i>Apletodon pellegrini</i>	Chubby clingfish
Gobiesocidae	<i>Chorisochismus dentex</i>	Rocksucker
Gobiidae	<i>Caffrogobius gilchristi</i> *	Prison goby
Gobiidae	<i>Caffrogobius natalensis</i> *	Baldy
Gobiidae	<i>Caffrogobius nudiceps</i> *	Barehead goby
Gobiidae	<i>Croilia mossambica</i> *	Naked goby
Gobiidae	<i>Glossogobius callidus</i> *	River goby
Gobiidae	<i>Psammogobius knysnaensis</i> *	Speckled sandgoby

Gobiidae	<i>Redigobius dewaali*</i>	Checked goby
Haemulidae	<i>Pomadasys commersonnii*</i>	Spotted grunter
Haemulidae	<i>Pomadasys olivaceum*</i>	Piggy
Haemulidae	<i>Pomadasys striatus</i>	Striped grunter
Hemiramphidae	<i>Hemiramphus far*</i>	Spotted halfbeak
Hemiramphidae	<i>Hyporhamphus capensis*</i>	Cape halfbeak
Isonidae	<i>Iso natalensis</i>	Surf sprite
Kuhliidae	<i>Kuhlia mugil*</i>	Barred flagtail
Lobotidae	<i>Lobotes surinamensis*</i>	Tripletail
Monodactylidae	<i>Monodactylus argenteus*</i>	Round moony
Monodactylidae	<i>Monodactylus falciformis*</i>	Oval moony
Mugilidae	<i>Crenimugil buchanani*</i>	Bluetail mullet
Mugilidae	<i>Chelon dumerili*</i>	Grooved mullet
Mugilidae	<i>Chelon richardsonii*</i>	Southern mullet
Mugilidae	<i>Chelon tricuspis*</i>	Striped mullet
Mugilidae	<i>Mugil cephalus*</i>	Flathead mullet
Mugilidae	<i>Planiliza macrolepis*</i>	Largescale mullet
Mugilidae	<i>Pseudomyxus capensis*</i>	Freshwater mullet
Ophichthidae	<i>Ophisurus serpens*</i>	Sand snake-eel
Ostraciidae	<i>Lactoria cornuta</i>	Yellow boxfish
Ostraciidae	<i>Ostracion cubicus</i>	Smallscale grubfish
Platycephalidae	<i>Platycephalus indicus*</i>	Bartail flathead
Poeciliidae	<i>Gambusia affinis</i>	Mosquitofish
Polynemidae	<i>Polydactylus sextarius</i>	Sixfinger threadfin
Pomacentridae	<i>Chromis dasygenus</i>	Blue-spotted chromis
Pomatomidae	<i>Pomatomus saltatrix*</i>	Elf
Priacanthidae	<i>Priacanthus hamrur</i>	Moontail bullseye
Regalecidae	<i>Regalecus glesne</i>	Oarfish
Sciaenidae	<i>Argyrosomus japonicus*</i>	Dusky kob
Sciaenidae	<i>Umbrina robinsoni</i>	Baardman
Scombroptidae	<i>Scombroptus boops</i>	Gnomefish
Scorpaenidae	<i>Pterois volitans</i>	Lionfish
Scyliorhinidae	<i>Poroderma africanum</i>	Striped catshark
Serranidae	<i>Acanthistius sebastoides</i>	Koester
Serranidae	<i>Epinephelus andersoni*</i>	Catface rockcod
Serranidae	<i>Serranus cabrilla</i>	Comber
Sillaginidae	<i>Sillago sihama*</i>	Silver sillago
Soleidae	<i>Heteromycteris capensis</i>	Cape sole
Soleidae	<i>Solea turbynei*</i>	Blackhand sole
Soleidae	<i>Synapturichthys kleinii</i>	Lace sole
Sparidae	<i>Acanthopagrus vagus*</i>	Estuarine bream
Sparidae	<i>Boopsoidea inornata</i>	Fransmadam
Sparidae	<i>Cheimerius nufar</i>	Santer
Sparidae	<i>Chrysoblephus laticeps</i>	Roman

Sparidae	<i>Chrysoblephus lophus</i>	False red stumpnose
Sparidae	<i>Cymatoceps nasutus</i>	Black musselcracker
Sparidae	<i>Crenidens crenidens</i>	Karanteen
Sparidae	<i>Diplodus capensis</i> *	Blacktail
Sparidae	<i>Diplodus hottentotus</i> *	Zebra
Sparidae	<i>Lithognathus lithognathus</i> *	White steenbras
Sparidae	<i>Lithognathus mormyrus</i> *	Sand steenbras
Sparidae	<i>Rhabdosargus globiceps</i> *	White stumpnose
Sparidae	<i>Rhabdosargus holubi</i> *	Cape stumpnose
Sparidae	<i>Rhabdosargus sarba</i> *	Tropical stumpnose
Sparidae	<i>Sarpa salpa</i> *	Strepie
Sparidae	<i>Sparodon durbanensis</i> *	White musselcracker
Sparidae	<i>Spondyliosoma emarginatum</i> *	Steentjie
Sphyraenidae	<i>Sphyraena jello</i> *	Pickhandle barracuda
Syngnathidae	<i>Hippocampus capensis</i> *	Knysna seahorse
Syngnathidae	<i>Syngnathus temmincki</i> *	Longsnout pipefish
Synodontidae	<i>Trachinocephalus trachinus</i>	Painted lizardfish
Terapontidae	<i>Terapon jarbua</i> *	Thornfish
Tetrarogidae	<i>Coccotropsis gymnoderma</i>	Smoothskin scorpionfish
Tetraodontidae	<i>Amblyrhynchotes honckenii</i> *	Evileye blaasop
Tetraodontidae	<i>Arothron hispidus</i> *	Whitespotted blaasop
Tetraodontidae	<i>Arothron immaculatus</i> *	Blackedged blaasop
Tetraodontidae	<i>Lagocephalus lagocephalus</i>	Oceanic blaasop
Triglidae	<i>Chelidonichthys kumu</i>	Bluefin gurnard

#### CHONDRICHTHYS (Cartilaginous fishes)

Carcharinidae	<i>Carcharhinus leucas</i> *	Zambezi or bull shark
Carcharinidae	<i>Triakis megalopterus</i>	Spotted gully shark
Dasyatidae	<i>Dasyatis chrysonota</i>	Blue stingray
Gymnuridae	<i>Gymnura natalensis</i> *	Backwater butterflyray
Myliobatidae	<i>Myliobatis aquila</i>	Eagleray
Myliobatidae	<i>Pteromylaeus bovinus</i>	Bullray
Odontaspidae	<i>Carcharius taurus</i>	Spotted ragged-tooth shark
Rhincodontidae	<i>Rhincodon typus</i>	Whale shark
Rhinobatidae	<i>Acroteriobatus annulatus</i> *	Lesser guitarfish
Sphyrnidae	<i>Sphyrna zygaena</i>	Smooth hammerhead shark
Torpedinidae	<i>Torpedo fuscomaculata</i> *	Blackspotted electric ray
Triakidae	<i>Mustelus mustelus</i>	Smooth hound shark
Triakidae	<i>Galeorhinus galeus</i>	Soupin shark



## Birds

Names of the 93 waterbird species recorded at the Knysna Estuary. Common and scientific names follow BirdLife South Africa (2022) and orders (in capitals), families and species ordering follow Donsker et al. (2022).

The 30 species with a (V) after their common names were either not recorded on CWAC counts or were recorded on <5% of these counts and can be considered rare vagrants to Knysna Estuary.

FAMILY	SCIENTIFIC NAME	COMMON NAME
<b>ANSERIFORMES</b>		
Anatidae	<i>Plectropterus gambensis</i>	Spur-winged goose
	<i>Alopochen aegyptiaca</i>	Egyptian goose
	<i>Tadorna cana</i>	South African shelduck
	<i>Spatula hottentota</i>	Blue-billed teal
	<i>Spatula smithii</i>	Cape shoveler
	<i>Anas sparsa</i>	African black duck (V)
	<i>Anas undulata</i>	Yellow-billed duck
	<i>Anas platyrhynchos</i>	Mallard
	<i>Anas capensis</i>	Cape teal
	<i>Anas erythrorhyncha</i>	Red-billed teal
	<i>Netta erythrophthalma</i>	Southern pochard (V)
<b>GRUIFORMES</b>		
Rallidae	<i>Rallus caerulescens</i>	African rail
	<i>Gallinula chloropus</i>	Common moorhen
	<i>Fulica cristata</i>	Red-knobbed coot
	<i>Porphyrio madagascariensis</i>	African swamphen (V)
	<i>Zapornia flavirostra</i>	Black crane
<b>PODICIPEDIFORMES</b>		
Podicipedidae	<i>Tachybaptus ruficollis</i>	Little grebe
	<i>Podiceps cristatus</i>	Great crested grebe
<b>PHOENICOPTERIFORMES</b>		
Phoenicopteridae	<i>Phoenicopterus roseus</i>	Greater flamingo (V)
<b>CHARADRIIFORMES</b>		
Burinidae	<i>Burhinus vermiculatus</i>	Water thick-knee
Haematopodidae	<i>Haematopus moquini</i>	African oystercatcher
Recurvirostridae	<i>Himantopus himantopus</i>	Black-winged stilt
	<i>Recurvirostra avosetta</i>	Pied avocet
Charadriidae	<i>Vanellus armatus</i>	Blacksmith lapwing
	<i>Pluvialis squatarola</i>	Grey plover
	<i>Charadrius hiaticula</i>	Common ringed plover
	<i>Charadrius pecuarius</i>	Kittlitz's plover
	<i>Charadrius tricollaris</i>	Three-banded plover
	<i>Charadrius marginatus</i>	White-fronted plover

	<i>Charadrius mongolus</i>	Lesser sand plover (V)
	<i>Charadrius leschenaultia</i>	Greater sand plover (V)
Jacaniidae	<i>Actophilornis africanus</i>	African jacana (V)
Scolopacidae	<i>Numenius phaeopus</i>	Eurasian whimbrel
	<i>Numenius arquata</i>	Eurasian curlew
	<i>Limosa lapponica</i>	Bar-tailed godwit (V)
	<i>Arenaria interpres</i>	Ruddy turnstone
	<i>Calidris canutus</i>	Red knot (V)
	<i>Calidris pugnax</i>	Ruff
	<i>Calidris ferruginea</i>	Curlew sandpiper
	<i>Calidris alba</i>	Sanderling (V)
	<i>Gallinago nigripennis</i>	African snipe (V)
	<i>Calidris minuta</i>	Little stint
	<i>Calidris melanotos</i>	Pectoral sandpiper (V)
	<i>Actitis hypoleucos</i>	Common sandpiper
	<i>Xenus cinereus</i>	Terek sandpiper (V)
	<i>Tringa flavipes</i>	Lesser yellowlegs (V)
	<i>Tringa tetanus</i>	Common redshank (V)
	<i>Tringa stagnatilis</i>	Marsh sandpiper
	<i>Tringa glareola</i>	Wood sandpiper
	<i>Tringa erythropus</i>	Spotted redshank (V)
	<i>Tringa nebularia</i>	Common greenshank
Laridae	<i>Chroicocephalus cirrocephalus</i>	Grey-headed gull
	<i>Larus dominicanus</i>	Kelp gull
	<i>Hydropogone caspia</i>	Caspian tern
	<i>Thalasseus bergii</i>	Swift tern
	<i>Thalasseus sandwicensis</i>	Sandwich tern
	<i>Sterna hirundo</i>	Common tern
	<i>Chlidonias leucopterus</i>	White-winged tern (V)

#### PHAETHONTIFORMES

Phaethontidae	<i>Phaethon aethereus</i>	Red-billed tropicbird (V)
	<i>Phaethon rubricauda</i>	Red-tailed tropicbird (V)

#### CICONIIFORMES

Ciconiidae	<i>Mycteria ibis</i>	Yellow-billed stork (V)
	<i>Ciconia nigra</i>	Black stork (V)

#### SILURIFORMES

Fregatidae	<i>Fregata minor</i>	Great frigatebird (V)
Sulidae	<i>Morus capensis</i>	Cape gannet (V)
Anhingidae	<i>Anhinga rufa</i>	African darter
Phalacrocoracidae	<i>Microcarbo africanus</i>	Reed cormorant
	<i>Phalacrocorax capensis</i>	Cape cormorant
	<i>Phalacrocorax lucidus</i>	White-breasted cormorant

## PELECANIFORMES

Threskiornithidae	<i>Threskiornis aethiopicus</i>	African sacred ibis
	<i>Bostrychia hagedash</i>	Hadedda ibis
	<i>Plegadis falcinellus</i>	Glossy ibis
	<i>Platalea alba</i>	African spoonbill
Ardeidae	<i>Nycticorax nycticorax</i>	Black-crowned night heron
	<i>Ardeola ralloides</i>	Squacco heron (V)
	<i>Bubulcus ibis</i>	Western cattle egret
	<i>Ardea cinerea</i>	Grey heron
	<i>Ardea melanocephala</i>	Black-headed heron
	<i>Ardea goliath</i>	Goliath heron (V)
	<i>Ardea purpurea</i>	Purple heron
	<i>Ardea intermedia</i>	Yellow-billed egret (V)
	<i>Egretta ardesiaca</i>	Black heron (V)
	<i>Egretta garzetta</i>	Little egret
Scopidae	<i>Scopus umbretta</i>	Hamerkop

## ACCIPITRIFORMES

Pandionidae	<i>Pandion haliaetus</i>	Western osprey
Accipitridae	<i>Circus ranivorus</i>	African marsh harrier (V)
	<i>Haliaeetus vocifer</i>	African fish eagle

## STRIGIFORMES

Strigidae	<i>Asio capensis</i>	Marsh owl (V)
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## CORACIIFORMES

Alcedinidae	<i>Alcedo semitorquata</i>	Half-collared kingfisher
	<i>Corythornis cristatus</i>	Malachite kingfisher
	<i>Megaceryle maxima</i>	Giant kingfisher
	<i>Ceryle rudis</i>	Pied kingfisher

## PASSERIFORMES

Motacillidae	<i>Motacilla aguimp</i>	African pied wagtail (V)
	<i>Motacilla capensis</i>	Cape wagtail

## Mammals

Mammals that have been recorded in the Knysna Estuary intertidal or subtidal zone.  
 \*The hippopotamus would naturally occur in the estuary if this species had not been locally extirpated by hunters with firearms almost three centuries ago.

FAMILY	SCIENTIFIC NAME	COMMON NAME
<b>ARTIODACTYLA (Whales and dolphins)</b>		
Balaenidae	<i>Eubalaena australis</i>	Southern right whale
Delphinidae	<i>Tursiops truncatus</i>	Bottlenose dolphin
Hippopotamidae	<i>Hippopotamus amphibius</i> *	Hippopotamus
<b>CARNIVORA (Carnivores)</b>		
Herpestidae	<i>Atilax paludinosus</i>	Water mongoose
Mustelidae	<i>Aonyx capensis</i>	African clawless otter
Otaridae	<i>Arctocephalus pusillus</i>	Cape fur seal
<b>RODENTIA (Rodents)</b>		
Muridae	<i>Otomys irroratus</i>	Southern African vlei rat
<b>PRIMATES (Lemurs, lorises, tarsiers, monkeys, apes and humans)</b>		
Hominidae	<i>Homo sapiens</i>	Humans



Humans have occupied the Garden Route for more than 100 000 years and their fossilised footprints and stone tools are to be found along the present-day coast in the vicinity of Knysna (Photograph: ©Shaen Adey).