

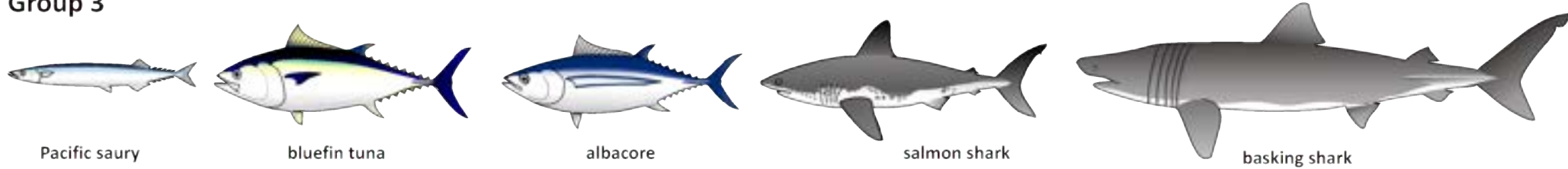
APPENDIX 2.II

- Appendix 2.II. Figures illustrating Species Groups (and species) associated with 41 California Habitats.

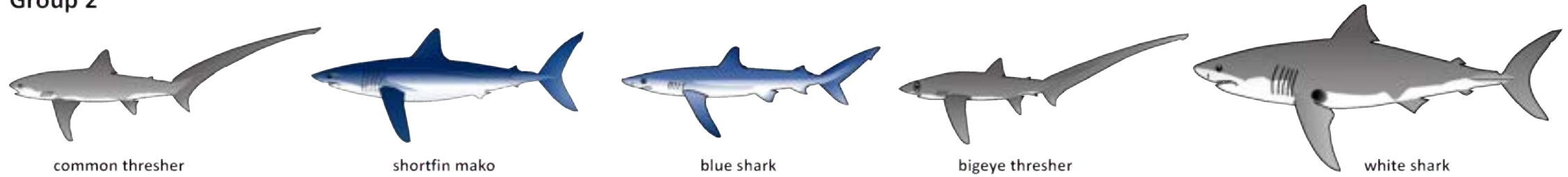
Appendix II Figure 2.1

California Pelagic Habitat

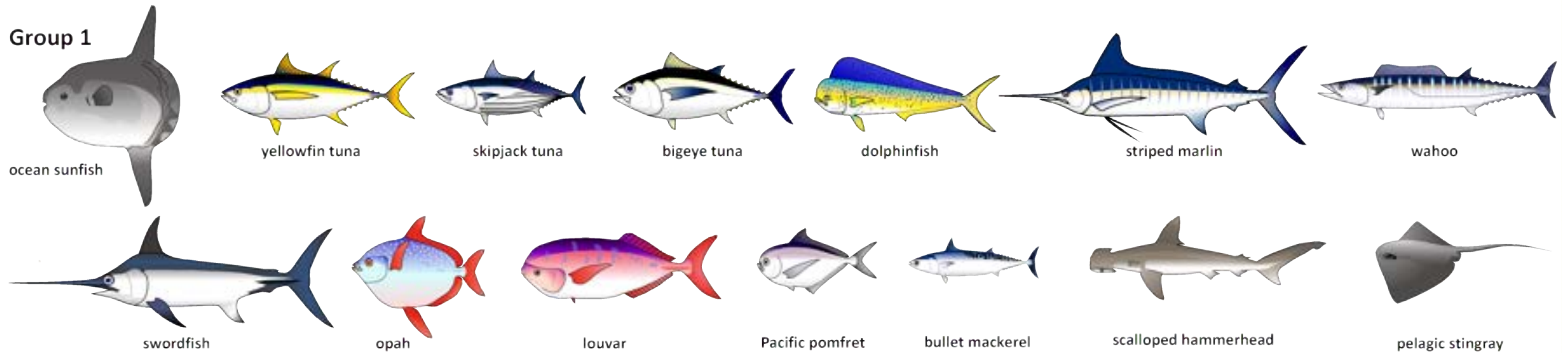
Group 3



Group 2



Group 1



Northern California Coastal Pelagic

Group 5



northern anchovy



Pacific sardine



Pacific mackerel



jack mackerel

Group 27



Pacific pompano

Group 7



jacksmelt

Group 58



Pacific hake

Group 26



Pacific herring



American shad



night smelt



Chinook salmon

Group 4



white seabass



Pacific bonito

Group 6



longfin smelt



striped bass

Group 3



basking shark

Group 62



shortbelly rockfish

Appendix II Figure 2.3

Southern California Coastal Pelagic Habitat

Group 5



northern anchovy



Pacific sardine



jack mackerel



Pacific mackerel

Group 7



jacksmelt

Group 8



California grunion

Group 16



topsmelt

Group 4



Pacific bonito



white seabass

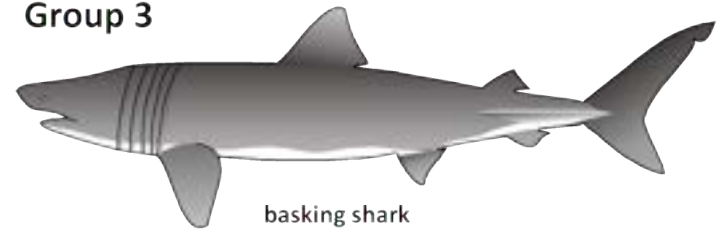


Pacific barracuda



California yellowtail

Group 3



basking shark

Group 9



leopard shark



brown smoothhound



gray smoothhound



bat ray

Group 18



queenfish

Group 27



Pacific pompano

Group 10



soupfin shark



Pacific electric ray



bluntnose six-gill shark

Group 58



Pacific hake



Pacific spiny dogfish



spotted ratfish

Appendix II Figure 2.4

Northern California Bay Estuary

Group 11



three-spine stickleback



redtail surfperch



saddleback gunnel



tidewater goby



shiner perch



speckled sanddab

Group 16



topsmelt



walleye surfperch



white seaperch



jacksmelt



staghorn sculpin



bay goby

Group 7

Group 26



Pacific herring



surf smelt



Chinook salmon



starry flounder



English sole



tubesnout

Group 28



bay goby

Group 19



tubesnout

Group 5



northern anchovy



Pacific sardine



arrow goby



bay pipefish

Group 14

Group 9



leopard shark



bat ray

Central California Bay Estuary

Appendix II
Figure 2.5

Group 29



shiner perch



speckled sanddab



California halibut

Group 5



northern anchovy



Pacific sardine

Group 16



topsmelt



walleye surfperch



white seaperch

Group 26



English sole



American shad



Pacific herring



starry flounder



Chinook salmon



Pacific tomcod

Group 6



longfin smelt



striped bass



chameleon goby



threadfin shad



yellowfin goby



delta smelt



splittail



Shokihaze goby

Group 7



Shimofuri goby



Pacific lamprey



steelhead



staghorn sculpin



jacksmelt



white croaker



barred surfperch

Group 14



arrow goby



checkspot goby



bay pipefish



bay goby



bonyhead sculpin



plainfin midshipman



California tonguefish



barcheek pipefish

Group 28

Group 9



leopard shark



brown smoothhound



bat ray

Group 17



black perch

Group 42



brown rockfish

Group 37



cabezon

Group 11



three-spine stickleback

Group 12



California killifish



longjaw mudsucker

Group 59



sand sole

Appendix II Figure 2.6

Southern California Bay Estuary

Group 16



topsmelt

Group 29



shiner perch



California halibut



speckled sanddab

Group 7



staghorn sculpin



jacksmelt

Group 5



northern anchovy



Pacific sardine

Group 14



arrow goby



checkspot goby



slough anchovy



diamond turbot



deepbody anchovy



bay pipefish



striped mullet



spotted sand bass

Group 12



California killifish



longjaw mudsucker



bay blenny



shadow goby

Group 13



mosquitofish



barred pipefish

Group 18



queenfish



yellowfin croaker



round stingray

Group 4



white seabass



Pacific barracuda

Group 9



bat ray



gray smoothhound



leopard shark

Group 30



California tonguefish

Group 17



black perch



giant kelpfish

Group 32



barred sand bass



California scorpionfish

Group 23



kelp bass

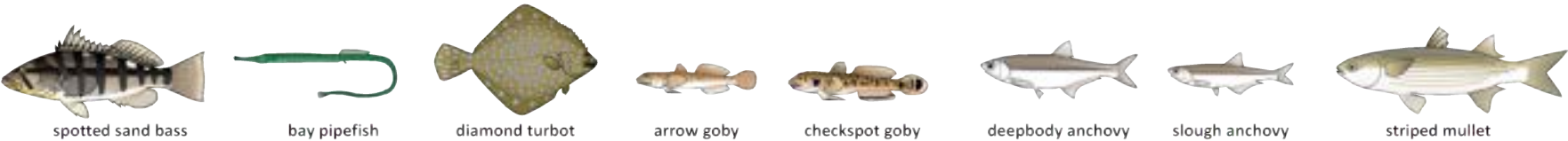


opaleye

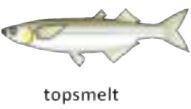
Appendix II
Figure 2.7

Baja California Bay Estuary

Group 14



Group 16



Group 12



Group 29



Group 23



Group 32



Group 30



Group 17



Group 18



Group 31



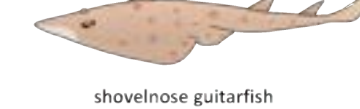
Group 5



Group 50



Group 9



Group 38



Group 7



Group 35



Group 15



Appendix II Figure 2.8

Northern California Surf Zone

Group 26



surf smelt



night smelt



Pacific herring



English sole



shiner perch



speckled sanddab

Group 29

Group 34



calico surfperch

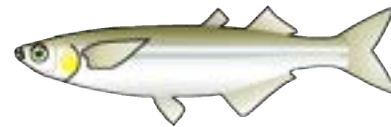


silverspotted sculpin



pricklebreast poacher

Group 16



topsmelt



walleye surfperch

Group 59



sand sole



spotfin surfperch

Group 19



striped seaperch



silver surfperch

Group 37



black rockfish



cabezon

Appendix II Figure 2.9

Central California Surf Zone

Group 18



barred surfperch

Group 29



shiner perch

Group 5



northern anchovy



Pacific sardine

Group 16



topsmelt



walleye surfperch

Group 19



silver surfperch

Group 17



dwarf perch

Group 49



striped kelpfish



crevice kelpfish

Group 8



kelp pipefish

Group 48



reef perch

Group 11



redtail surfperch

Group 34



calico surfperch

Appendix II
Figure 2.10

Southern California Surf Zone

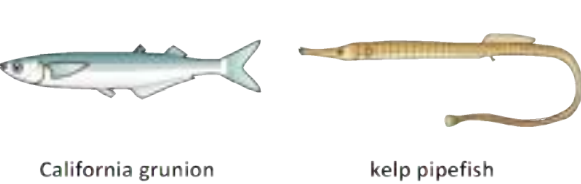
Group 18



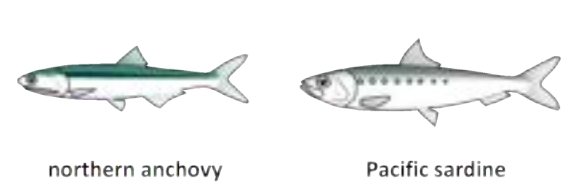
Group 16



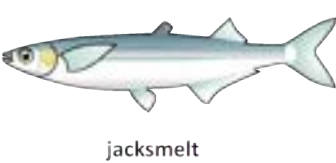
Group 8



Group 5



Group 7



Group 29



Group 17



Group 14



Group 27



Group 38



Group 4



Group 9



Appendix II Figure 2.11

Central California Inner Shelf

Group 29



speckled sanddab



shiner perch

Group 26



English sole

Group 36



barcheek pipefish

Group 5



northern anchovy

Group 17



black perch



giant kelpfish

Group 59



spotfin surfperch

Group 28



sand sole

Group 18



bay goby

Group 7



barred surfperch

Group 33



staghorn sculpin



Pacific sanddab



curlfin turbot

Group 30



California tonguefish

Group 42



California lizardfish



brown rockfish



copper rockfish

Group 37

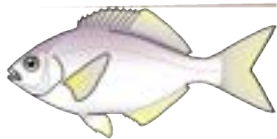


cabezon



black rockfish

Group 16



white seaperch

Appendix II

Figure 2.12

Southern California Inner Shelf

Group 29



speckled sanddab

California halibut

shiner perch

Group 27



white croaker

Pacific pompano

Group 5



northern anchovy

Group 16



topsmelt

walleye surfperch

white seaperch

Group 18

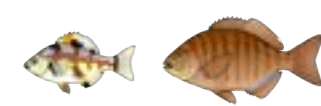


queenfish

yellowfin croaker

California corbina

Group 17



dwarf perch

black perch

Group 23



giant kelpfish

kelp bass

Group 4



white seabass

Group 31



longfin sanddab

basketweave cuskeel

spotted turbot

Group 30



specklefin midshipman

fantail sole

California tonguefish

Group 62



hornyhead turbot

California lizardfish

Group 9



leopard shark

brown smoothhound

gray smoothhound

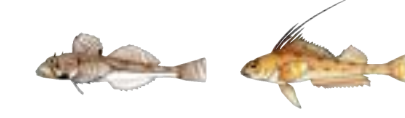


bat ray



shovelnose guitarfish

Group 62



yellowchin sculpin

longspine combfish

Group 26



English sole

Group 14



diamond turbot

Group 36



grass rockfish

Group 32



barcheek pipefish

CO turbot

Group 32



barred sand bass

Group 7



California scorpionfish



staghorn sculpin

Group 38



sargo

black croaker

Group 10



horn shark

swell shark

Group 35



Pacific angel shark

thornback ray



butterfly ray

Appendix II Baja California Inner Shelf

Figure 2.13

Group 27



white croaker

Group 18



queenfish



California corbina



barred surfperch



yellowfin croaker



spotfinfin croaker



round stingray

Group 5



northern anchovy



Pacific sardine



Pacific mackerel

Group 29



California halibut



speckled sanddab



shiner perch



jacksmelt

Group 7

Group 16



topsmelt



walleye surfperch



white seaperch

Group 14



deepbody anchovy



slough anchovy



diamond turbot

Group 33



Pacific sanddab

Group 30



California lizardfish



California tonguefish

Group 26



English sole

Group 23



kelp bass

Group 32



barred sand bass



California scorpionfish

Group 4



white seabass

Group 31



specklefin midshipman



spotted turbot



longfin sanddab

Group 42



brown rockfish

Group 35



butterfly ray



thornback ray

Group 38



black croaker

Appendix II Figure 2.14

Northern California Rocky Intertidal

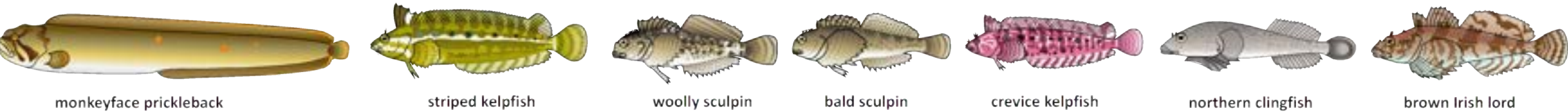
Group 46



Group 47



Group 49



Group 45

Group 37



Group 36



Group 22



Group 52



Group 19



Group 17



Group 52



Group 22



Appendix II Figure 2.15

Central California Rocky Intertidal

Group 46



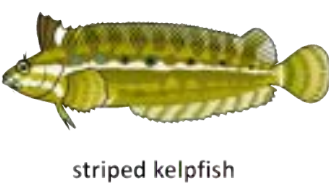
Group 47



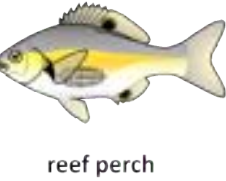
Group 45



Group 49



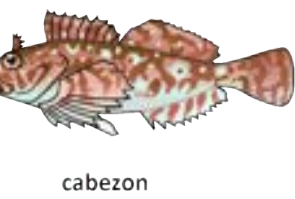
Group 48



Group 42



Group 37



Group 22



Group 33



Group 20



Appendix II Figure 2.16

Southern California Rocky Intertidal

Group 49



woolly sculpin



bald sculpin



striped kelpfish

Group 50



California clingfish



slender clingfish



rockpool blenny



spotted kelpfish

Group 50



reef finspot



mussel blenny



blind goby

Group 23



opaleye



zebra perch

Group 17



dwarf perch



giant kelpfish

Species Group 46



fluffy sculpin



coralline sculpin



rockweed gunnel

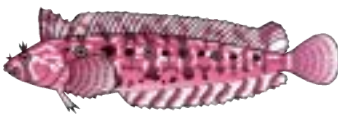
Appendix II Figure 2.17

Baja California Rocky Intertidal

Group 49



woolly sculpin



crevice kelpfish



striped kelpfish

Group 50



spotted kelpfish



California clingfish



slender clingfish

Group 46



rosy sculpin



rockweed gunnel



smoothhead sculpin



fluffy sculpin



tidepool snailfish

Group 23



opaleye

Group 48



reef perch

Group 17



dwarf perch

Group 37



cabezon

Appendix II Figure 2.18

Northern California Rocky Subtidal

Group 45



brown Irish lord



scalyhead sculpin



northern clingfish



mosshead warbonnet



slender cockscomb



longfin sculpin



padded sculpin

Group 43

Group 47



slipskin snailfish



rosytip sculpin

Group 22



blue rockfish



kelp greenling

Group 37



cabezon



black rockfish

Group 46



tidepool snailfish

Appendix II Figure 2.19

Central California Rocky Subtidal

Group 22



blue rockfish

Group 29



speckled sanddab

Group 20



painted greenling

Group 24



blackeye goby



snubnose sculpin



bluebanded ronquil



roughcheek sculpin

Group 25



canary rockfish

Group 46



coralline sculpin



smoothhead sculpin

Group 42



gopher rockfish



olive rockfish



copper rockfish



black-and-yellow rockfish

Group 37



cabezon

Group 43



black rockfish



mosshead warbonnet



longfin sculpin

Group 45



scalyhead sculpin



brown Irish lord

Group 44



red brotula

Group 21



crisscross prickleback

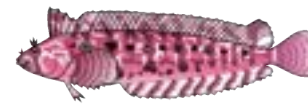


sailfin sculpin



boccacio

Group 49



crevice kelpfish



striped kelpfish

Appendix II Figure 2.20

Southern California Rocky Subtidal

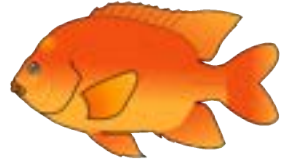
Group 41



bluebanded goby



island kelpfish



garibaldi

Group 50



reef finspot



spotted kelpfish



mussel blenny

Group 16



topsmelt



walleye surfperch

Group 23



blacksmith



kelp bass



senorita



opaleye



halfmoon



kelp perch



sheephead



zebra perch

Group 24



roughcheek sculpin



zebra goby



snubnose pipefish



yellowfin fringehead



snubnose sculpin



bluebanded ronquil

Group 37



cabezon

Group 38



rock wrasse



salema

Group 17



dwarf perch



black perch



giant kelpfish

Group 20



blackeye goby

Group 32



California scorpionfish



barred sand bass

Appendix II Figure 2.21

Northern California Kelp Bed Rocky Reef

Group 22



blue rockfish



kelp greenling

Group 37



black rockfish



cabezon

Group 19



striped seaperch



tubesnout



rubberlip seaperch

Group 21



lingcod



vermillion rockfish



bocaccio

Group 25



canary rockfish



yellowtail rockfish

Group 23



kelp rockfish

Group 42



black-and-yellow rockfish



gopher rockfish



copper rockfish



olive rockfish

Group 16



pile perch



white seaperch

Group 17



black perch

Group 20



rainbow seaperch



painted greenling

Group 52



blackeye goby



quillback rockfish



China rockfish



rock greenling

Group 53



yelloweye rockfish

Appendix II Figure 2.22

Central California Kelp Bed Rocky Reef

Group 22



blue rockfish



kelp greenling



tubesnout



striped seaperch



rubberlip seaperch

Group 17



black perch



giant kelpfish

Group 23



senorita



kelp perch



kelp rockfish



kelp bass



sheephead

Group 5



Pacific sardine



jack mackerel

Group 20



rainbow seaperch



painted greenling



blackeye goby

Group 16



pile perch



white seaperch



topsmelt



shiner perch

Group 42



olive rockfish



gopher rockfish



black-and-yellow rockfish



copper rockfish



brown rockfish

Group 37



cabezon

Group 21



bocaccio



vermillion rockfish



lingcod

Appendix II

Figure 2.23

Southern California Kelp Bed Rocky Reef

Group 23



Group 38



Group 41



Group 8



Group 5



Group 16



Group 7



Group 17



Group 18



Group 32



Group 39



Group 10



Group 9



Group 4



Group 20



Group 37



Group 29



Group 22



Group 42



Group 36



Group 19



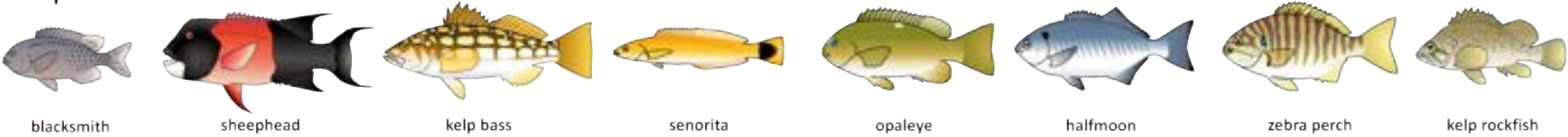
Group 51



Appendix II
Figure 2.24

Baja California Kelp Bed Rocky Reef

Group 23

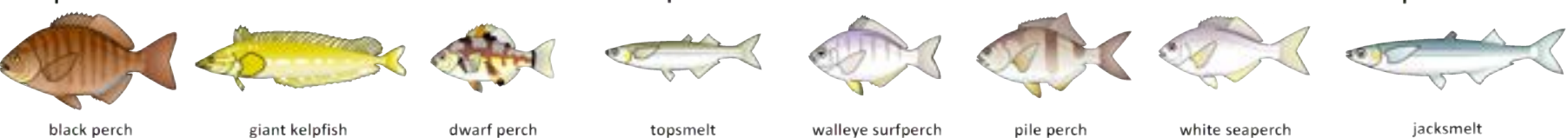


Group 38



Group 41

Group 17



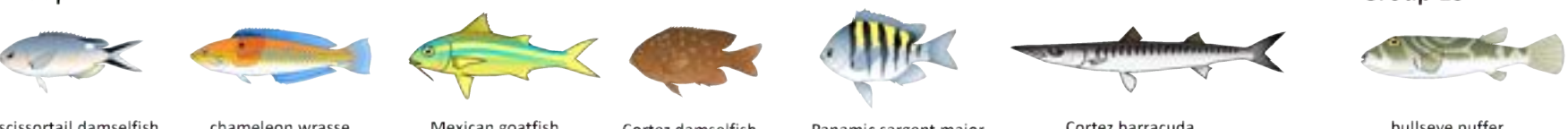
Group 20



Group 19



Group 40



Appendix II Figure 2.25

Northern California Mid Depth Rocky Reef

Group 57



pygmy rockfish



rosethorn rockfish

Group 25



widow rockfish



yellowtail rockfish



canary rockfish

Group 22



blue rockfish



kelp greenling

Group 53



redstripe rockfish



yelloweye rockfish



northern ronquil

Group 54



sharpchin rockfish

Group 21



lingcod

Group 63



blackbelly eelpout



slender sole

Group 64



Dover sole

Group 56



greenstripe rockfish

Group 65



shortspine thornyhead

Appendix II Figure 2.26

Southern California Middle Depth Rocky Reef

Group 56



halfbanded rockfish



squarespot rockfish



rosy rockfish



greenspotted rockfish



greenstripe rockfish



chilipepper



shortspine combfish

Group 57



pygmy rockfish



greenblotch rockfish

Group 25



widow rockfish



yellowtail rockfish



canary rockfish

Group 55



bank rockfish



swordspine rockfish

Group 23



senorita



blacksmith



sheephead

Group 62



shortbelly rockfish



pink seaperch

Group 5



Pacific sardine

Group 20



blackeye goby

Group 54



speckled rockfish



pinkrose rockfish



flag rockfish



starry rockfish



whitespotted rockfish



sharpchin rockfish

Group 32



California scorpionfish

Group 21



boccacio



vermillion rockfish



lingcod

Group 22



blue rockfish

Group 42



copper rockfish

Group 58



spotted ratfish

Appendix II Figure 2.27

Central California Deep Rocky Reef

Group 56



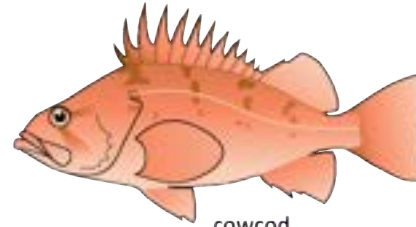
greenspotted rockfish



greenstripe rockfish



halfbanded rockfish



cowcod



shortspine combfish



stripetail rockfish

Group 58

Group 21



bocaccio



vermillion rockfish



lingcod

Group 57



rosethorn rockfish



greenblotch rockfish



pygmy rockfish

Group 55



darkblotched rockfish



swordspine rockfish



widow rockfish



yellowtail rockfish



canary rockfish



yelloweye rockfish

Group 25

Group 53

Group 64



Dover sole

Group 65



shortspine thornyhead

Group 67



Pacific hagfish

Appendix II Figure 2.28

Southern California Deep Rocky Reef

Group 57



rosethorn rockfish



greenblotch rockfish

Group 56



chilipepper



Pacific argentine



shortspine combfish



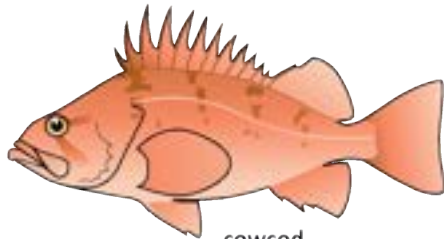
greenstripe rockfish



greenspotted rockfish



rosy rockfish



cowcod

Group 55



bank rockfish



swordspine rockfish

Group 65



splitnose rockfish



shortspine thornyhead

Group 58



stripetail rockfish

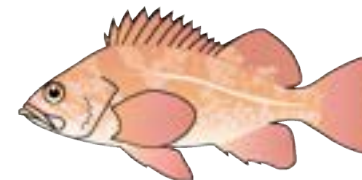


spotted ratfish

Group 21



bocaccio



sunset rockfish



lingcod

Group 54



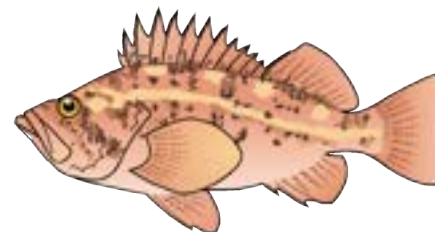
pinkrose rockfish



sharpchin rockfish



whitespotted rockfish



bronzespotted rockfish

Group 24



bluebanded ronquil

Group 67

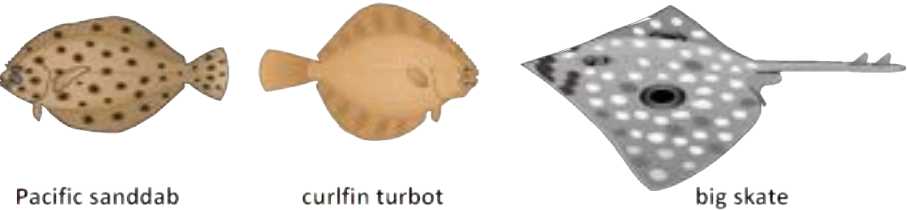


blackgill rockfish

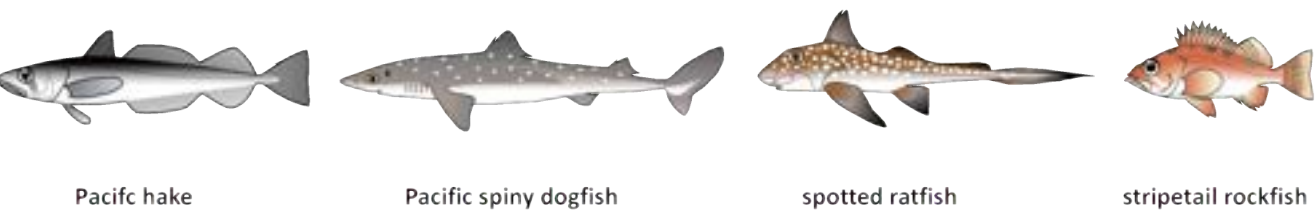
Appendix II Figure 2.29

Northern California Middle Shelf

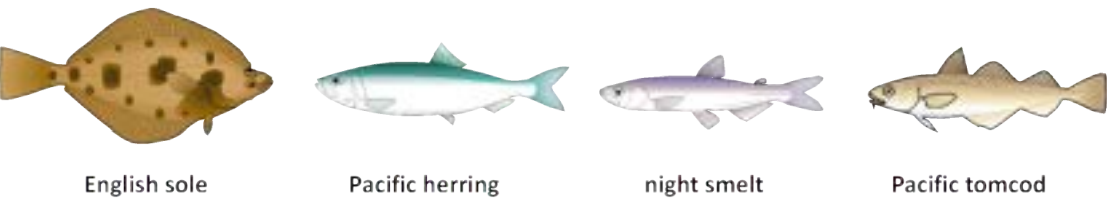
Group 33



Group 58



Group 26



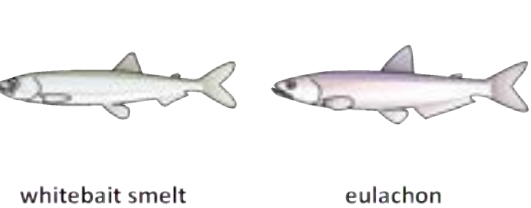
Group 64



Group 63



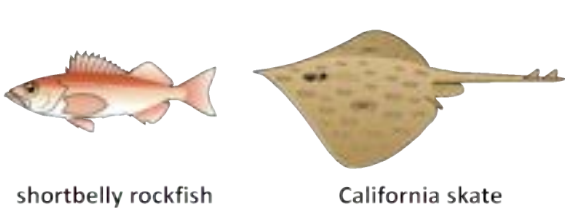
Group 61



Group 30



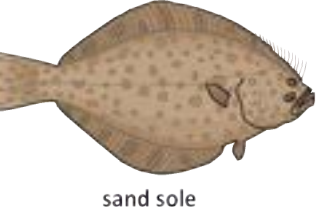
Group 62



Group 7



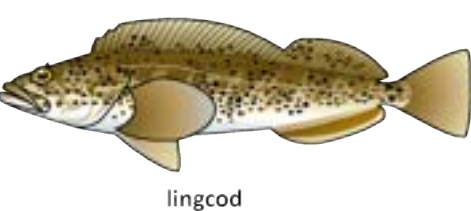
Group 59



Group 29



Group 21



Appendix II
Figure 2.30

Central California Middle Shelf

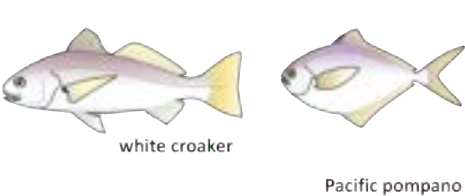
Group 33



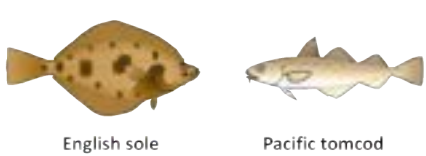
Group 5



Group 27



Group 26



Group 64



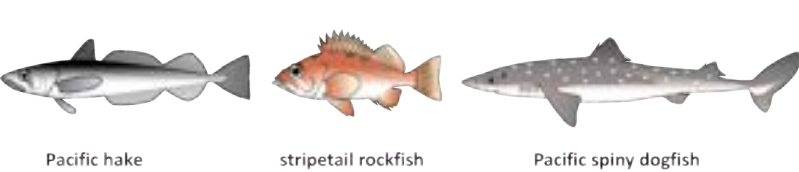
Group 62



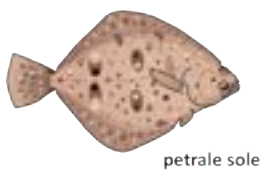
Group 29



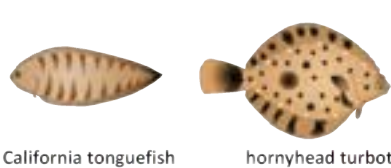
Group 58



Group 63



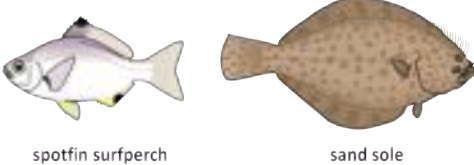
Group 30



Group 56



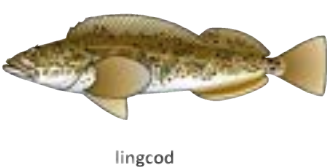
Group 59



Group 7



Group 21



Group 65



Appendix II
Figure 2.31

Southern California Middle Shelf

Group 33



Pacific sanddab



curlfin turbot



plainfin midshipman

Group 62



shortbelly rockfish



pink seaperch



yellowchin sculpin



roughback sculpin



pygmy poacher



longspine combfish

Group 31



spotted cuskeel



California skate



longfin sanddab



spotted turbot



fantail sole



specklefin midshipman



basketweave cuskeel

Species Group 27



white croaker



Pacific pompano

Species Group 64



Dover sole



rex sole

Species Group 58



striptail rockfish



Pacific hake



spotted ratfish

Group 30



California lizardfish



California tonguefish



hornyhead turbot

Group 56



halfbanded rockfish



squarespot rockfish



Pacific argentine



chilipepper



shortspine combfish



rosy rockfish

Group 29



shiner perch



speckled sanddab



California halibut

Group 60



bigmouth sole



calico rockfish

Group 28



bay goby



buffalo sculpin

Group 26



English sole

Group 63



blackbelly eelpout

Group 18



queenfish

Group 32



California scorpionfish

Group 20



blackeye goby

Group 5



northern anchovy

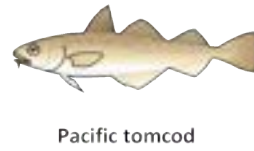
Appendix II Figure 2.32

Northern California Outer Shelf

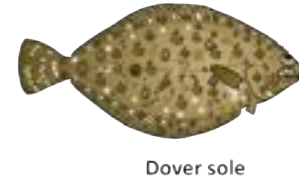
Group 58



Group 26



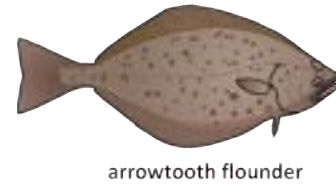
Group 64



Group 27



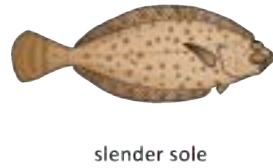
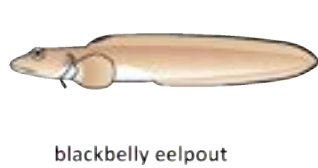
Group 61



Group 5



Group 63



Group 62



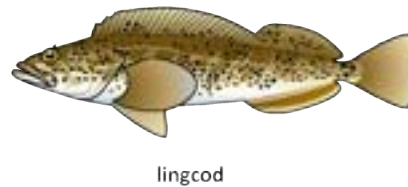
Group 56



Group 25



Group 21



Group 65



Group 29



Appendix II Figure 2.33

Central California Outer Shelf

Group 33



Pacific sanddab



plainfin midshipman



curlfin turbot

Group 62



pink seaperch



shortbelly rockfish



longspine combfish



yellowchin sculpin



roughback sculpin



pygmy poacher

Species 26



spotted cuskeel



California skate



English sole



Pacific herring



white croaker



Pacific pompano



northern anchovy



Pacific sardine

Group 27

Group 5

Group 64



Dover sole



rex sole

Group 58



Pacific hake



Pacific spiny dogfish



striptail rockfish



spotted ratfish

Group 63



blackbelly eelpout



slender sole



petrale sole

Group 56



chilipepper



halfbanded rockfish



Pacific argentine



greenstripe rockfish



cowcod

Group 30



California tonguefish

Group 21



bocaccio



lingcod

Group 65



sablefish

Group 25



widow rockfish



yellowtail rockfish



canary rockfish

Appendix II
Figure 2.34

Southern California Outer Shelf

Group 33



Pacific sanddab plainfin midshipman curlfin turbot

Group 62



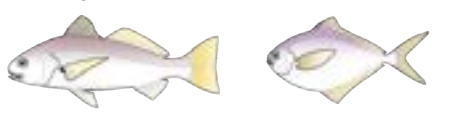
yellowchin sculpin pink seaperch longspine combfish shortbelly rockfish spotted cuskeel roughback sculpin

Group 64



California skate pygmy poacher Dover sole rex sole blacktip poacher

Group 27



white croaker Pacific pompano

Group 56



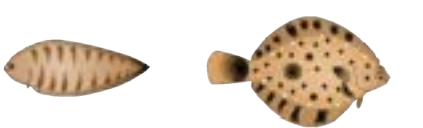
halfbanded rockfish rosy rockfish squarespot rockfish chilipepper Pacific argentine cowcod shortspine combfish greenstripe rockfish greenspotted rockfish

Group 58



striptail rockfish Pacific hake spotted ratfish

Group 30



California tonguefish hornyhead turbot

Group 31



longfin sanddab

Group 65



splitnose rockfish shortspine thornyhead

Group 60



bigmouth sole calico rockfish

Group 28



bay goby

Group 63



slender sole blackbelly eelpout

Group 5



northern anchovy Pacific sardine

Group 26



English sole

Group 21



bocaccio vermillion rockfish lingcod

Group 57



greenblotch rockfish

Group 67



Pacific hagfish

Group 32



California scorpionfish

Appendix II Figure 2.35

Northern California Shallow Slope

Group 64



Dover sole



rex sole



longnose skate

Group 65



splitnose rockfish



sablefish



shortspine thornyhead



longspine thornyhead

Group 58



stripetail rockfish



Pacific hake



spotted ratfish



Pacific spiny dogfish

Appendix II Figure 2.36

Central California Shallow Slope

Group 64



Dover sole



rex sole



longnose skate

Group 65



splitnose rockfish



sablefish



shortspine thornyhead



longspine thornyhead

Group 58



Pacific hake



Pacific spiny dogfish



spotted ratfish



stripetail rockfish

Appendix II Figure 2.37

Southern California Shallow Slope

Group 65



splitnose rockfish



shortspine thornyhead



sablefish



black hagfish

Group 64



Dover sole



rex sole



blacktip poacher



hundred fathom codling

Group 63



slender sole



blackbelly eelpout

Group 58



Pacific hake



spotted ratfish

Group 55



bank rockfish

Appendix II Figure 2.38

Northern California Deep Slope

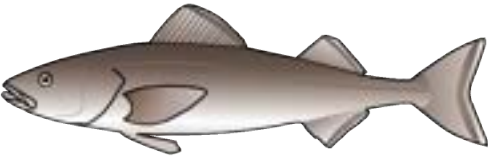
Group 65



longspine thornyhead



California grenadier



sablefish



shortspine thornyhead



splitnose rockfish

Group 58



Pacific hake

Group 64



Dover sole



rex sole



longnose skate

Group 66



giant grenadier



California slickhead

Appendix II Figure 2.39

Central California Deep Slope

Group 64



Dover sole



longnose skate

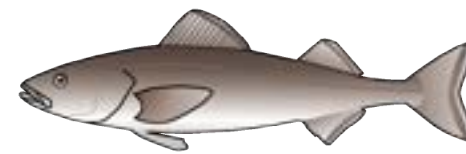
Group 65



longspine thornyhead



California grenadier



sablefish



shortspine thornyhead

Group 66



giant grenadier



California slickhead

Group 58



Pacific hake

Appendix II Figure 2.40

Southern California Deep Slope

Group 65



longspine thornyhead



shortspine thornyhead



sablefish



California grenadier



black hagfish



splitnose rockfish

Group 64



Dover sole



longnose skate



rex sole

Group 66



California slickhead



giant grenadier



rubynose brotula

Group 58



Pacific hake

Group 63

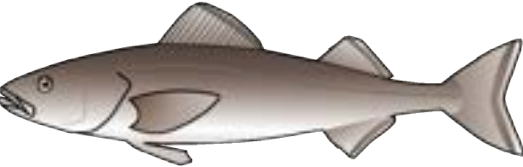


blackbelly eelpout

Appendix II Figure 2.41

Southern California Deep Bank

Group 65



sablefish



shortspine thornyhead



longspine thornyhead



black hagfish



splitnose rockfish



California grenadier

Group 67



blackgill rockfish



aurora rockfish



brown catshark



filetail catshark



Pacific hagfish

Group 58



Pacific hake



spotted ratfish



Pacific spiny dogfish

Group 64



Dover sole