

A LIST OF INDIGENOUS FISH,
SHELLFISH AND AQUATIC PLANT SPECIES
OF TEXAS

by

William D. Harvey, Raymond W. Neck,
N. Joyce Johnson, Gary P. Garrett,
Robert G. Howells and Terry J. Cody

MANAGEMENT DATA SERIES

No. 9

1989

Texas Parks and Wildlife Department
Inland and Coastal Fisheries Branches
Fisheries Division
4200 Smith School Road
Austin, Texas 78744

ACKNOWLEDGEMENTS

Much of these data used to compile this checklist was provided by the field staff of both the Coastal and Inland Fisheries Branches of the Fisheries Division through years of dedicated resource monitoring. Fish species information was provided by Dr. Clark Hubbs, University of Texas of Austin, Dr. Bob Edwards, University--Pan American and Dr. Gary C. Matlock, Texas Parks and Wildlife Department. Additional shellfish information was provided by C. E. Bryan and Hal R. Osburn, Texas Parks and Wildlife Department.

ABSTRACT

Available scientific literature and Texas Parks and Wildlife Department Fisheries Division species code lists were examined for compilation of a comprehensive list of fish, shellfish and aquatic plants indigenous to Texas. Indigenous is defined as species that (1) are documented as occurring in Texas public waters (including the area out to nine nautical miles in the Gulf of Mexico); (2) are spawned, reproduce or live in Texas public waters and (3) whose first documented occurrence in Texas public waters was not the result of direct or indirect introduction by man. Shellfish species list was limited to the phylum Mollusca and to the order Decapoda (class Crustacea). Compilation of these lists reveal 572 fish species, 678 shellfish species, and 521 aquatic plant species as being indigenous to Texas public waters.

INTRODUCTION

"The Fish Farming Act of 1989" (Senate Bill 1507), passed by the 71st Legislature, substantially enhanced the Texas Parks and Wildlife Department's (TPWD) regulatory authority over the possession, importation, sale and release of exotic (non-indigenous) fish, shellfish and aquatic plant species. This legislation mandated a list of harmful or potentially harmful exotic fish species whose presence in Texas would either be totally prohibited or only allowed through permit.

Before a list of species exotic to Texas public waters could be drawn up, an inventory of indigenous species had to be compiled. This list would then serve as baseline information for determining those species whose presence in the state was through direct introduction or escape of imported aquatic species and for determination of those species to be excluded or controlled through the regulatory process.

Our goals, herein, are twofold: (1) to present the collective thought process through which this inventory was prepared, and (2) to provide a comprehensive listing of these species that can easily be accessed.

MATERIALS AND METHODS

Prior to accumulation of species distributional data, several key terms had to be defined, including:

Public waters of Texas

Defined as "the bays, estuaries, and water of the Gulf of Mexico within the jurisdiction of the state (nine nautical miles from shore), and the rivers, streams, creeks, bayous, reservoirs, lakes, and portions of those waters where public access is available without discrimination" (§66.015, TPWD code).

Indigenous species

Defined as a species that:

- A. Is documented to occur in Texas public waters and,
- B. Is born, reproduces or lives in Texas public waters, and
- C. Whose first documented occurrence in Texas public waters was not the result of direct or indirect importation by man.

Shellfish species

Defined as "aquatic species of crustaceans and molluscs, including oysters, clams, shrimp, prawns, crayfish and crabs of all varieties" (§51.001, TPWD code). For the purposes of this inventory, crustaceans were limited to the order Decapoda.

Aquatic plant

Defined as "those plants whose seeds germinate in either the water phase or the substrate of a body of water and which must spend part of their life cycle in water" (Reid and Wood 1976).

Species lists were compiled by search of existing scientific literature about taxonomic status, life history and distribution of fish, shellfish and aquatic plant species from North American freshwater and saltwater systems and

the Gulf of Mexico. Included in this literature search was information gathered from references which dealt with specific status of fish, shellfish and aquatic plants documented in Texas public waters.

In addition to existing literature, species lists compiled through TPWD routine monitoring procedures were examined. These lists provided documentation of the existence of certain saltwater fish and shellfish species which were not documented as occurring inside the 9-nautical mile territorial limit of Texas Gulf waters or were not documented in the northwestern Gulf of Mexico at all.

Fish, shellfish and aquatic plant species were categorized as such and listed alphabetically by scientific name. In those situations where these species have been assigned a common name, this nomenclature was included.

RESULTS

Inventory of fish, shellfish and aquatic plants revealed that documentation for occurrence exists for 527 indigenous fish species (Appendix A), 678 indigenous shellfish species (Appendix B) and 521 aquatic plant species (Appendix C).

DISCUSSION

With well over 30,000 described fish species, 91,000 described shellfish species and enumerable aquatic plant species it is quite evident that a very small percentage of these are indigenous to Texas. At the time of this publication, there are 12 species of exotic fish that have established reproducing populations in Texas' waters and at least seven species of shellfish (Raymond, Neck, TPWD Unpublished data). There are at least ten plants, introduced into Texas' waters through the aquarium and ornamental plant trades, that are considered as being problematic (Holm et al. 1969).

LITERATURE CITED

- Andrews, J. 1981. Texas shells. University of Texas Press, Austin, Texas.
- Brogden, W. B., J. J. Cech, and C. H. Oppenheimer. 1974. A computerized system for the organized retrieval of life history information. Chesapeake Science, 15:250-254.
- Chaney, A. H. 1983. Keys to selected marine invertebrates of Texas. Caesar Kleberg Wildlife Research Institute, Kingsville, Texas. Technical Bulletin Number 4.
- Correll, Donovan and Helen B. 1975. Aquatic and Wetland Plants of Southwestern United States. Vol. I and II. Stanford University, Stanford, California.
- Felder, D. L. 1973. An annotated key to the crabs and lobsters (Decapoda, Reptantia) from the coastal waters of the northwestern Gulf of Mexico. LSU-SG-73-02. Center for Wetland Resources, Louisiana State University, Baton Rouge, Louisiana.
- Fotheringham, N. 1980. Beachcomber's guide to Gulf coast marine life. Gulf Publishing Company, Houston, Texas.
- Fotheringham, N. and S. L. Brunenmeister. 1975. Common marine invertebrates of the northwestern Gulf Coast. Gulf Publishing Company, Houston, Texas.
- Hobbs, H.H. 1972. Biota of freshwater ecosystems, identification manual number 9. Crayfishes (Astacidae) of North and Middle America. U.S. Environmental Protection Agency, Project #18050 ELD.
- Hoese, H.D. and R.H. Moore. 1977. Fishes of the Gulf of Mexico: Texas, Louisiana and Adjacent waters. Texas A&M University Press, College Station, Texas.
- Holm, L.G., L.W. Weldon and R.D. Blackburn. 1969. Aquatic weeds. Science, 166:699-708.
- Hubbs, Clark. 1982. A checklist of Texas freshwater fishes. Texas Parks and Wildlife Department. Technical Series No. 11, Austin, Texas.
- Lee, D.S., C.R. Gilbert, C.H. Hocutt, R.E. Jenkins, D.E. McAllister and J.R. Stauffer. 1980. Atlas of North American Freshwater Fishes. Publication No. 1980-12, North Carolina Biological Survey.
- Pennak, R.W. 1978. Freshwater invertebrates of the United States. John Wiley and Sons, New York, New York.
- Penn, G.H. and H.H. Hobbs. 1958. A contribution toward a knowledge of the crawfishes of Texas (Decapoda, Astacidae). Texas Journal of Science 10:452-483.

- Powers, L. W. 1977. A catalog and bibliography to the crabs (Brachyura) of the Gulf of Mexico. Contributions in Marine Science, Supplement to Volume 20.
- Reed, P.B., Jr. 1988. National list of plant species that occur in wetlands: South Plains (Region 6). U.S. Fish Wildl. Serv. Biol. Rep. 88(26.6). 94 pp.
- Reid, A.K. and R.D. Wood. 1976. Ecology of Inland Waters and Estuaries. D. Van Nostrand Co., New York.
- Robins, C.R., R.M. Bailey, C.E. Bond, J.R. Brooker, E.A. Lachner, R.N. Lea and W.B. Scott. 1980. A list of common and scientific names of fishes from the United States and Canada. American Fisheries Society. Special Publication No. 12.
- Texas Parks and Wildlife Department. 1989. Coastal fisheries species code list. Austin, Texas.
- Texas Parks and Wildlife Department. 1989. Species code list. Austin, Texas.
- Turgeon, D.D., A.E. Bogan, E.V. Coan, W.K. Emerson, W.G. Lyons, W.L. Pratt, C.F.E. Roper, A. Scheltema, F.G. Thompson, and J.D. Williams. 1988. Common and Scientific names of aquatic invertebrates from the United States and Canada. American Fisheries Society Special Publication 16.
- University of Texas. 1974. Organism lists from the life history data bank. UT-MSI, Port Aransas, Texas.
- Walls, J.G. 1975. Fishes of the Northern Gulf of Mexico. T.F.H. Publications. Neptune City, New Jersey.
- Williams, A. B. 1965. Marine decapod crustaceans of the Carolinas. Fishery Bulletin 65(1).
- Williams, A. B. 1984. Shrimps, lobsters, and crabs of the Atlantic coast of the Eastern United States, Maine to Florida. Smithsonian Institution Press. Washington, District of Columbia.
- Wood, C. E. 1974. Key to the Natantia (Crustacea, Decapoda) of the coastal waters of the Texas coast. Contributions in Marine Science 18:35-56.

Appendix A

Table A.1. A List of Fishes Indigenous in Texas.

Scientific Name	Common Name
<u>Abudefduf saxatilis</u>	Sergeant major
<u>Abudefduf taurus</u>	Night sergeant
<u>Acanthocybium solanderi</u>	Wahoo
<u>Acanthurus chirugus</u>	Doctorfish
<u>Achirus lineatus</u>	Lined sole
<u>Adinia xenica</u>	Diamond killifish
<u>Aetobatus narinari</u>	Spotted eagle ray
<u>Agonostomus monticola</u>	Mountain mullet
<u>Ahlia egmontis</u>	Key worm eel
<u>Albula vulpes</u>	Bonefish
<u>Alectis ciliaris</u>	African pompano
<u>Alopias vulpinus</u>	Thresher shark
<u>Alosa chrysochloris</u>	Skipjack herring
<u>Aluterus heudeloti</u>	Dotterel filefish
<u>Aluterus schoepfi</u>	Orange filefish
<u>Aluterus scriptus</u>	Scrawled filefish
<u>Amblycirrhitus pinos</u>	Redspotted hawkfish
<u>Amia calva</u>	Bowfin
<u>Ammocrypta clara</u>	Western sand darter
<u>Ammocrypta vivax</u>	Scaly sand darter
<u>Anchoa cubana</u>	Cuban anchovy
<u>Anchoa hepsetus</u>	Striped anchovy
<u>Anchoa mitchilli</u>	Bay anchovy
<u>Anchoa nasuta</u>	Longnose anchovy
<u>Ancyloperca dilecta</u>	Three-eye flounder
<u>Ancyloperca quadricellata</u>	Ocellated flounder
<u>Anguilla rostrata</u>	American eel
<u>Anisotremus surinamensis</u>	Black margate
<u>Anisotremus virginicus</u>	Porkfish
<u>Antennarius radiatus</u>	Singlespot frogfish
<u>Antennarius scaber</u>	Splitlure frogfish
<u>Aphredoderus sayanus</u>	Pirate perch
<u>Aplodinotus grunniens</u>	Freshwater drum
<u>Apogon aurolineatus</u>	Bridle cardinalfish
<u>Apogon maculatus</u>	Flamefish
<u>Apogon townsendi</u>	Belted cardinalfish
<u>Archosargus probatocephalus</u>	Sheepshead
<u>Ariosoma balearicum</u>	Bandtooth conger
<u>Arius felis</u>	Hardhead catfish
<u>Arthopristis chrysoptera</u>	Pigfish
<u>Astroscopus y-graecum</u>	Southern stargazer
<u>Astyanax mexicanus</u>	Mexican tetra
<u>Awaous tajasica</u>	River goby
<u>Bagre marinus</u>	Gafftopsail catfish
<u>Bairdiella chrysoura</u>	Silver perch
<u>Balistes capriscus</u>	Gray triggerfish
<u>Balistes vetula</u>	Queen triggerfish
<u>Bascanichthys scuticaris</u>	Whip eel

Table A.1. Cont'd

Scientific name	Common name
<u>Bathygobius soporator</u>	Frillfin goby
<u>Bellator militaris</u>	Horned searobin
<u>Bollmannia communis</u>	Ragged goby
<u>Bodianus rufus</u>	Spanish hogfish
<u>Bothus ocellatus</u>	Eyed flounder
<u>Bregmaceros atlanticus</u>	Antenna codlet
<u>Brevoortia gunteri</u>	Finescale menhaden
<u>Brevoortia patronus</u>	Gulf menhaden
<u>Brotula barbata</u>	Bearded brotula
<u>Calamus nodosus</u>	Knobbed porgy
<u>Campostoma anomalum</u>	Central stoneroller
<u>Campostoma ornatum</u>	Mexican stoneroller
<u>Cantherhines pullus</u>	Orangespotted filefish
<u>Canthidermis sufflamen</u>	Ocean triggerfish
<u>Caranx bartholomaei</u>	Yellow jack
<u>Caranx crysos</u>	Blue runner
<u>Caranx hippos</u>	Crevalle jack
<u>Caranx latus</u>	Horse-eye jack
<u>Carcharhinus acronotus</u>	Blacknose shark
<u>Carcharhinus brevipinna</u>	Spinner shark
<u>Carcharhinus falciiformis</u>	Silky shark
<u>Carcharhinus isodon</u>	Finetooth shark
<u>Carcharhinus leucas</u>	Bull shark
<u>Carcharhinus limbatus</u>	Blacktip shark
<u>Carcharhinus longimanus</u>	Oceanic whitetip shark
<u>Carcharhinus obscurus</u>	Dusky shark
<u>Carcharhinus plumbeus</u>	Sandbar shark
<u>Carcharhinus porosus</u>	Smalltail shark
<u>Carcharodon carcharias</u>	White shark
<u>Carpionodes carpio</u>	River carpsucker
<u>Caulolatilus cyanops</u>	Blackline tilefish
<u>Centrarchus macropterus</u>	Flier
<u>Centropomus parallelus</u>	Fat snook
<u>Centropomus undecimalis</u>	Snook
<u>Centropristis ocyurus</u>	Bank sea bass
<u>Centropristis philadelphica</u>	Rock sea bass
<u>Chaetodipterus faber</u>	Atlantic spadefish
<u>Chaetodon aya</u>	Bank butterflyfish
<u>Chaetodon ocellatus</u>	Spotfin butterflyfish
<u>Chaetodon sedentarius</u>	Reef butterflyfish
<u>Chaetodon striatus</u>	Banded butterflyfish
<u>Chasmodes bosquianus</u>	Striped blenny
<u>Chilomycterus schoepfi</u>	Striped burrfish
<u>Chloroscombrus chrysurus</u>	Atlantic bumper
<u>Chromis cyaneus</u>	Blue chromis
<u>Chromis multilineatus</u>	Brown chromis
<u>Chromis scotti</u>	Purple reeffish
<u>Cichlosoma cyanoguttatum</u>	Rio Grande cichlid

Table A.1. Cont'd

Scientific name	Common name
<u>Citharichthys macrops</u>	Spotted whiff
<u>Citharichthys spilopterus</u>	Bay whiff
<u>Conodon nobilis</u>	Barred grunt
<u>Coryphaena equisetis</u>	Pompano dolphin
<u>Coryphaena hippurus</u>	Dolphin
<u>Coryphopterus punctipectophorus</u>	Spotted goby
<u>Cycleptus elongatus</u>	Blue sucker
<u>Cyclopsetta chittendeni</u>	Mexican flounder
<u>Cynoscion arenarius</u>	Sand seatrout
<u>Cynoscion nebulosus</u>	Spotted seatrout
<u>Cynoscion nothus</u>	Silver seatrout
<u>Cyprinodon bovinus</u>	Leon Springs pupfish
<u>Cyprinodon elegans</u>	Comanche Springs pupfish
<u>Cyprinodon eximius</u>	Conchos pupfish
<u>Cyprinodon pecosensis</u>	Pecos pupfish
<u>Cyprinodon rubrofluviatilis</u>	Red River pupfish
<u>Cyprinodon variegatus</u>	Sheepshead minnow
<u>Dasyatis americana</u>	Southern stingray
<u>Dasyatis sabina</u>	Atlantic stingray
<u>Dasyatis sayi</u>	Bluntnose stingray
<u>Decapterus punctatus</u>	Round scad
<u>Decodon puellaris</u>	Red hogfish
<u>Dionda diaboli</u>	Devils River minnow
<u>Dionda episcopa</u>	Roundnose minnow
<u>Dionda serena</u>	Nueces minnow
<u>Diodon hystrix</u>	Porcupinefish
<u>Diplectrum bivittatum</u>	Dwarf sand perch
<u>Diplectrum formosum</u>	Sand perch
<u>Diplodus holbrooki</u>	Spottail pinfish
<u>Dormitator maculatus</u>	Fat sleeper
<u>Dorosoma cepedianum</u>	Gizzard shad
<u>Dorosoma petenense</u>	Threadfin shad
<u>Dysomma anguillare</u>	Shortbelly eel
<u>Echeneis naucrates</u>	Sharksucker
<u>Echiophis intertinctus</u>	Spotted spoon-nose eel
<u>Echiophis mordax</u>	Snapper eel
<u>Echiophis punctifer</u>	Stippled spoon-nose eel
<u>Elagatis bipinnulata</u>	Rainbow runner
<u>Elassoma zonatum</u>	Banded pygmy sunfish
<u>Eleotris pisonis</u>	Spinycheek sleeper
<u>Elops saurus</u>	Ladyfish
<u>Emblemaria pandionis</u>	Sailfin blenny
<u>Engyophrys senta</u>	Spiny flounder
<u>Epinephelus adscensionis</u>	Rock hind
<u>Epinephelus cruentatus</u>	Graysby
<u>Epinephelus flavolimbatus</u>	Yellowedge grouper
<u>Epinephelus guttatus</u>	Red hind
<u>Epinephelus inermis</u>	Marbled grouper

Table A.1. Cont'd

Scientific name	Common name
<u>Epinephelus itajara</u>	Jewfish
<u>Epinephelus morio</u>	Red grouper
<u>Epinephelus nigritus</u>	Warsaw grouper
<u>Epinephalus niveatus</u>	Snowy grouper
<u>Epinephelus striatus</u>	Nassau grouper
<u>Erimyzon oblongus</u>	Creek chubsucker
<u>Erimyzon sucetta</u>	Lake chubsucker
<u>Erotelis smaragdus</u>	Emerald sleeper
<u>Esox americanus</u>	Redfin pickerel
<u>Esox niger</u>	Chain pickerel
<u>Etheostoma asprigene</u>	Mud darter
<u>Etheostoma artesiae</u>	(None at this time)
<u>Etheostoma chlorosomum</u>	Bluntnose darter
<u>Etheostoma fonticola</u>	Fountain darter
<u>Etheostoma fusiforme</u>	Swamp darter
<u>Etheostoma gracile</u>	Slough darter
<u>Etheostoma grahami</u>	Rio Grande darter
<u>Etheostoma histrio</u>	Harlequin darter
<u>Etheostoma lepidum</u>	Greenthroat darter
<u>Etheostoma parvipinne</u>	Goldstripe darter
<u>Etheostoma proeliara</u>	Cypress darter
<u>Etheostoma radiosum</u>	Orangebelly darter
<u>Etheostoma spectabile</u>	Orangethroat darter
<u>Etropus crossotus</u>	Fringed flounder
<u>Etrumeus teres</u>	Round herring
<u>Eucinostomus argenteus</u>	Spotfin mojarra
<u>Eucinostomus gula</u>	Silver jenny
<u>Eucinostomus lefrovi</u>	Mottled mojarra
<u>Euthynnus alletteratus</u>	Little tunny
<u>Euthynnus pelamis</u>	Skipjack tuna
<u>Evorthodus lyricus</u>	Lyre goby
<u>Fundulus blairae</u>	Blair's starhead minnow
<u>Fundulus chrysotus</u>	Golden topminnow
<u>Fundulus grandis</u>	Gulf killifish
<u>Fundulus jenkinsi</u>	Saltmarsh topminnow
<u>Fundulus pulvereus</u>	Bayou killifish
<u>Fundulus similis</u>	Longnose killifish
<u>Fundulus zebrinus</u>	Plains killifish
<u>Galeocerdo cuvieri</u>	Tiger shark
<u>Gambusia affinis</u>	Mosquitofish (Western)
<u>Gambusia amistadensis</u>	Amistad gambusia
<u>Gambusia gagei</u>	Big Bend gambusia
<u>Gambusia geiseri</u>	Largespring gambusia
<u>Gambusia georgei</u>	San Marcos gambusia
<u>Gambusia heterochir</u>	Clear Creek gambusia
<u>Gambusia nobilis</u>	Pecos gambusia
<u>Gambusia senilis</u>	Blotched gambusia
<u>Gambusia speciosa</u>	Mexican mosquito fish

Table A.1. Cont'd

Scientific name	Common name
<u>Gerres cinereus</u>	Yellowfin mojarra
<u>Gila pandora</u>	Rio Grande chub
<u>Ginglymostoma cirratum</u>	Nurse shark
<u>Gobiesox punctulatus</u>	Stippled clingfish
<u>Gobiesox strumosus</u>	Skilletfish
<u>Gobioides broussoneti</u>	Violet goby
<u>Gobiomorus domitor</u>	Bigmouth sleeper
<u>Gobionellus atripinnis</u>	Blackfin goby
<u>Gobionellus boleosoma</u>	Darter goby
<u>Gobionellus hastatus</u>	Sharptail goby
<u>Gobionellus shufeldti</u>	Freshwater goby
<u>Gobiosoma bosci</u>	Naked goby
<u>Gobiosoma longipala</u>	Twoscale goby
<u>Gobiosoma robustum</u>	Code goby
<u>Gonioplectrus hispanus</u>	Spanish flag
<u>Gunterichthys longipennis</u>	Gold brotula
<u>Gymnachirus texae</u>	Fringed sole
<u>Gymnothorax moringa</u>	Spotted moray
<u>Gymnothorax nigromarginatus</u>	Blackedge moray
<u>Gymnothorax saxicola</u>	Ocellated moray
<u>Gymnothorax vicinus</u>	Purplemouth moray
<u>Gymnura micrura</u>	Smooth butterfly ray
<u>Haemulon aurolineatum</u>	Tomtate
<u>Haemulon macrostomum</u>	Spanish grunt
<u>Haemulon striatum</u>	Striped grunt
<u>Halichoeres bivittatus</u>	Slippery dick
<u>Halichoeres garnoti</u>	Yellowhead wrasse
<u>Halichoeres radiatus</u>	Puddingwife
<u>Halieutichthys aculeatus</u>	Pancake batfish
<u>Harengula jaguana</u>	Scaled sardine
<u>Hemanthias vivanus</u>	Red barbier
<u>Hemicaranx amblyrhynchus</u>	Bluntnose jack
<u>Hemipteronotus novacula</u>	Pearly razorfish
<u>Hemiramphus brasiliensis</u>	Ballyhoo
<u>Hildebrandia flava</u>	Yellow conger
<u>Hiodon alosoides</u>	Goldeye
<u>Hippocampus erectus</u>	Lined seahorse
<u>Hippocampus zosterae</u>	Dwarf seahorse
<u>Hirundichthys rondeleti</u>	Blackwing flyingfish
<u>Histrionotus histrio</u>	Sargassumfish
<u>Holacanthus bermudensis</u>	Blue angelfish
<u>Holacanthus tricolor</u>	Rock beauty
<u>Holocentrus ascensionis</u>	Squirrelfish
<u>Hoplunnis macrurus</u>	Freckled pike-conger
<u>Hoplunnis tenuis</u>	Spotted pike-conger
<u>Hybognathus amarus</u>	Rio Grande minnow
<u>Hybognathus hayi</u>	Cypress minnow
<u>Hybognathus nuchalis</u>	Mississippi silvery minnow

Table A.1. Cont'd

Scientific name	Common name
<u>Hybognathus placitus</u>	Plains minnow
<u>Hybopsis aestivalis</u>	Speckled chub
<u>Hybopsis gracilis</u>	Flathead chub
<u>Hybopsis storeriana</u>	Silver chub
<u>Hypleurochilus geminatus</u>	Crested blenny
<u>Hypoplectrus unicolor</u>	Butter hamlet
<u>Hyporhamphus unifasciatus</u>	Halfbeak
<u>Hypsoblennius hentzi</u>	Feather blenny
<u>Hypsoblennius ionthas</u>	Freckled blenny
<u>Ichthyomyzon castaneus</u>	Chestnut lamprey
<u>Ichthymoyzon gagei</u>	Southern brook lamprey
<u>Ictalurus furcatus</u>	Blue catfish
<u>Ictalurus lupus</u>	Headwater catfish
<u>Ictalurus melas</u>	Black bullhead
<u>Ictalurus natalis</u>	Yellow bullhead
<u>Ictalurus punctatus</u>	Channel catfish
<u>Ictiobus bubalus</u>	Smallmouth buffalo
<u>Ictiobus cyprinellus</u>	Bigmouth buffalo
<u>Ictiobus niger</u>	Black buffalo
<u>Ioglossus calliurus</u>	Blue goby
<u>Istiophorus platypterus</u>	Sailfish
<u>Isurus oxyrinchus</u>	Shortfin mako
<u>Kathetostoma albigutta</u>	Lancer stargazer
<u>Kyphosus sectatrix</u>	Bermuda chub
<u>Labidesthes sicculus</u>	Brook silverside
<u>Labrisomus nuchipinnis</u>	Hairy blenny
<u>Lachnolaimus maximus</u>	Hogfish
<u>Lactophrys quadricornis</u>	Scrawled cowfish
<u>Lactophrys triqueter</u>	Smooth trunkfish
<u>Lagocephalus laevigatus</u>	Smooth puffer
<u>Lagodon rhomboides</u>	Pinfish
<u>Larimus fasciatus</u>	Banded drum
<u>Leiostomus xanthurus</u>	Spot
<u>Lepisosteus oculatus</u>	Spotted gar
<u>Lepisosteus osseus</u>	Longnose gar
<u>Lepisosteus platostomus</u>	Shortnose gar
<u>Lepisosteus spatula</u>	Alligator gar
<u>Lepomis auritis</u>	Redbreast sunfish
<u>Lepomis cyanellus</u>	Green sunfish
<u>Lepomis gulosus</u>	Warmouth
<u>Lepomis humilis</u>	Orangespotted sunfish
<u>Lepomis macrochirus</u>	Bluegill
<u>Lepomis marginatus</u>	Dollar sunfish
<u>Lepomis megalotis</u>	Longear sunfish
<u>Lepomis microlophus</u>	Redear sunfish
<u>Lepomis punctatus</u>	Spotted sunfish
<u>Lepomis symmetricus</u>	Bantam sunfish
<u>Lepophidium graellsii</u>	Blackedge cusk-eel

Table A.1. Cont'd

Scientific name	Common name
<u>Liopropoma eukrines</u>	Wrasse bass
<u>Lobotes surinamensis</u>	Tripletail
<u>Lonchopisthus micrognathus</u>	Swordtail jawfish
<u>Lucania parva</u>	Rainwater killifish
<u>Lutjanus analis</u>	Mutton snapper
<u>Lutjanus apodus</u>	Schoolmaster
<u>Lutjanus campechanus</u>	Red snapper
<u>Lutjanus cyanopterus</u>	Cubera snapper
<u>Lutjanus griseus</u>	Gray snapper
<u>Lutjanus jocu</u>	Dog snapper
<u>Lutjanus synagris</u>	Lane snapper
<u>Makaira nigricans</u>	Blue marlin
<u>Malacanthus plumieri</u>	Sand tilefish
<u>Manta birostris</u>	Atlantic manta
<u>Megalops atlantica</u>	Tarpon
<u>Melichthys niger</u>	Black durgon
<u>Membras martinica</u>	Rough silverside
<u>Menidia beryllina</u>	Inland silverside
<u>Menidia clarkhubbsi</u>	Amazon silverside
<u>Menidia peninsulae</u>	Tidewater silversides
<u>Menticirrhus americanus</u>	Southern kingfish
<u>Menticirrhus littoralis</u>	Gulf kingfish
<u>Menticirrhus saxatilis</u>	Northern kingfish
<u>Microgobius gulosus</u>	Clown goby
<u>Microgobius thalassinus</u>	Green goby
<u>Micropogonias undulatus</u>	Atlantic croaker
<u>Micropterus punctulatus</u>	Spotted bass
<u>Micropterus salmoides</u>	Largemouth bass
<u>Micropterus treculi</u>	Guadalupe bass
<u>Minytrema melanops</u>	Spotted sucker
<u>Mola mola</u>	Ocean sunfish
<u>Monacanthus ciliatus</u>	Fringed filefish
<u>Monacanthus hispidus</u>	Planehead filefish
<u>Monacanthus setifer</u>	Pygmy filefish
<u>Morone chrysops</u>	White bass
<u>Morone mississippiensis</u>	Yellow bass
<u>Morone saxatilis</u>	Striped bass
<u>Moxostoma congestum</u>	Gray redhorse
<u>Moxostoma erythrurum</u>	Golden redhorse
<u>Moxostoma poecilurum</u>	Blacktail redhorse
<u>Mugil cephalus</u>	Striped mullet
<u>Mugil curema</u>	White mullet
<u>Mullus auratus</u>	Red goatfish
<u>Mustelus canis</u>	Smooth dogfish
<u>Mustelus norrisi</u>	Florida smoothhound
<u>Mycteroperca bonaci</u>	Black grouper
<u>Mycteroperca microlepis</u>	Gag
<u>Mycteroperca phenax</u>	Scamp

Table A.1. Cont'd

Scientific name	Common name
<u>Mycteroperca rubra</u>	Comb grouper
<u>Myrophis punctatus</u>	Speckled worm eel
<u>Narcine brasiliensis</u>	Lesser electric ray
<u>Negaprion brevirostris</u>	Lemon shark
<u>Neoconger mucronatus</u>	Ridged eel
<u>Nomeus gronovii</u>	Man-of-war fish
<u>Notemigonus crysoleucas</u>	Golden shiner
<u>Notropis amabilis</u>	Texas shiner
<u>Notropis amnis</u>	Pallid shiner
<u>Notropis atherinoides</u>	Emerald shiner
<u>Notropis atrocaudalis</u>	Blackspot shiner
<u>Notropis bairdi</u>	Red River shiner
<u>Notropis braytoni</u>	Tamaulipas shiner
<u>Notropis buccula</u>	Smalleye shiner
<u>Notropis buchanani</u>	Ghost shiner
<u>Notropis chalybeus</u>	Ironcolor shiner
<u>Notropis chihuahua</u>	Chihuahua shiner
<u>Notropis cornutus</u>	Common shiner
<u>Notropis fumeus</u>	Ribbon shiner
<u>Notropis girardi</u>	Arkansas River shiner
<u>Notropis hubbsi</u>	Bluehead shiner
<u>Notropis jemezianus</u>	Rio Grand shiner
<u>Notropis lepidus</u>	Plateau shiner
<u>Notropis lutrensis</u>	Red shiner
<u>Notropis maculatus</u>	Taillight shiner
<u>Notropis orca</u>	Dolphin shiner
<u>Notropis oxyrhynchus</u>	Sharpnose shiner
<u>Notropis potteri</u>	Chub shiner
<u>Notropis prosperinus</u>	Proserpine shiner
<u>Notropis sabiniae</u>	Sabine shiner
<u>Notropis shumardi</u>	Silverband shiner
<u>Notropis simus</u>	Bluntnose shiner
<u>Notropis stramineus</u>	Sand shiner
<u>Notropis texanus</u>	Weed shiner
<u>Notropis umbratilis</u>	Redfin shiner
<u>Notropis venustus</u>	Blacktail shiner
<u>Notropis volucellus</u>	Mimic shiner
<u>Noturus gyrinus</u>	Tadpole madtom
<u>Noturus nocturnus</u>	Freckled madtom
<u>Ocyurus chrysurus</u>	Yellowtail snapper
<u>Odontaspis taurus</u>	Sand tiger
<u>Odontoscion dentex</u>	Reef croaker
<u>Ogcocephalus parvus</u>	Roughback batfish
<u>Ogcocephalus radiatus</u>	Polka-dot batfish
<u>Oligoplites saurus</u>	Leatherjacket
<u>Oncorhynchus</u>	Rio Grande cutthroat trout
<u>Oostethus brachyurus (lineatus)^a</u>	Opossum pipefish
<u>Ophichthus gomesi</u>	Shrimp eel

Table A.1. Cont'd

Scientific name	Common name
<u>Ophichthus ocellatus</u>	Pale spotted eel
<u>Ophidion grayi</u>	Blotched cusk-eel
<u>Ophidion holbrooki</u>	Bank cusk-eel
<u>Ophidion welshi</u>	Crested cusk-eel
<u>Ophioblennius atlanticus</u>	Redlip blenny
<u>Opisthonema oglinum</u>	Atlantic thread herring
<u>Opsanus beta</u>	Gulf toadfish
<u>Opsanus pardus</u>	Leopard toadfish
<u>Opsopoeodus emiliae</u>	Pugnose minnow
<u>Orthopristis chrysoptera</u>	Pigfish
<u>Parablennius marmoratus</u>	Seaweed blenny
<u>Paraconger caudilimbatus</u>	Margintail conger
<u>Paralichthys albigutta</u>	Gulf flounder
<u>Paralichthys lethostigma</u>	Southern flounder
<u>Paralichthys squamilentus</u>	Broad flounder
<u>Paranthias furcifer</u>	Creole-fish
<u>Peprilus alepidotus</u>	Harvestfish
<u>Peprilus burti</u>	Gulf butterflyfish
<u>Percina caprodes</u>	Logperch
<u>Percina macrolepida</u>	Bigscale logperch
<u>Percina maculata</u>	Blackside darter
<u>Percina sciera</u>	Dusky darter
<u>Percina shumardi</u>	River darter
<u>Peristedion gracile</u>	Slender searobin
<u>Pikea mexicana</u>	Yellowtail bass
<u>Phenacobius mirabilis</u>	Suckermouth minnow
<u>Pimephales promelas</u>	Fathead minnow
<u>Pimephales vigilax</u>	Bullhead minnow
<u>Poecilia formosa</u>	Amazon molly
<u>Poecilia latipinna</u>	Sailfin molly
<u>Pogonias cromis</u>	Black drum
<u>Polydactylus octonemus</u>	Atlantic threadfin
<u>Polyodon spathula</u>	Paddlefish
<u>Pomacanthus arcuatus</u>	Gray angelfish
<u>Pomacanthus paru</u>	French angelfish
<u>Pomacentrus fuscus</u>	Dusky damselfish
<u>Pomacentrus planifrons</u>	Threespot damselfish
<u>Pomacentrus variabilis</u>	Cocoa damselfish
<u>Pomadasys crocro</u>	Burro grunt
<u>Pomatomus saltatrix</u>	Bluefish
<u>Porichthys plectrodon</u>	Atlantic midshipman
<u>Pomoxis annularis</u>	White crappie
<u>Pomoxis nigromaculatus</u>	Black crappie
<u>Priacanthus arenatus</u>	Bigeye
<u>Prionace glauca</u>	Blue shark
<u>Prionotus ophryas</u>	Bandtail searobin
<u>Prionotus paralatus</u>	Mexican searobin
<u>Prionotus roseus</u>	Bluespotted searobin

Table A.1. Cont'd

Scientific name	Common name
<u>Prionotus rubio</u>	Blackfin searobin
<u>Prionotus salmonicolor</u>	Blackwing searobin
<u>Prionotus scitulus</u>	Leopard searobin
<u>Prionotus stearnsi</u>	Shortwing searobin
<u>Prionotus tribulus</u>	Bighead searobin
<u>Pristigenys alta</u>	Short bigeye
<u>Pristipomoides aquilonaris</u>	Wenchman
<u>Pristis pectinata</u>	Smalltooth sawfish
<u>Pristis perotteti</u>	Large tooth sawfish
<u>Pylodictis olivaris</u>	Flathead catfish
<u>Rachycentron canadum</u>	Cobia
<u>Raja eglanteria</u>	Clearnose skate
<u>Raja olseni</u>	Spreadfin skate
<u>Raja texana</u>	Roundel skate
<u>Remora australis</u>	Whalesucker
<u>Remora remora</u>	Remora
<u>Rhincodon typus</u>	Whale shark
<u>Rhinichthys cataractae</u>	Longnose dace
<u>Rhinobatos lentiginosus</u>	Atlantic guitarfish
<u>Rhinoptera bonasus</u>	Cownose ray
<u>Rhizoprionodon terraenovae</u>	Atlantic sharpnose shark
<u>Rhomboplites aurorubens</u>	Vermilion snapper
<u>Rypticus maculatus</u>	Whitespotted soapfish
<u>Rypticus subbifrenatus</u>	Spotted soapfish
<u>Sarda sarda</u>	Atlantic bonito
<u>Sardinella aurita</u>	Spanish sardine
<u>Satan eurystomus</u>	Widemouth blindcat
<u>Saurida brasiliensis</u>	Largescale lizardfish
<u>Scartella cristata</u>	Molly miller
<u>Sciaenops ocellatus</u>	Red drum
<u>Scomberomorus cavalla</u>	King mackerel
<u>Scomberomorus maculatus</u>	Spanish mackerel
<u>Scomberomorus regalis</u>	Cero
<u>Scorpaena calcarata</u>	Smoothhead scorpionfish
<u>Scorpaena plumieri</u>	Spotted scorpionfish
<u>Selar crumenophthalmus</u>	Bigeye scad
<u>Selene setapinnis</u>	Atlantic moonfish
<u>Selene vomer</u>	Lookdown
<u>Semotilus atromaculatus</u>	Creek chub
<u>Seriola dumerili</u>	Greater amberjack
<u>Seriola rivoliana</u>	Almaco jack
<u>Seriola zonata</u>	Banded rudderfish
<u>Serraniculus pumilio</u>	Pygmy sea bass
<u>Serranus atrobranchus</u>	Blackear bass
<u>Serranus subligarius</u>	Belted sandfish
<u>Sparisoma radians</u>	Bucktooth parrotfish
<u>Sphoeroides dorsalis</u>	Marbled puffer
<u>Sphoeroides parvus</u>	Least puffer

Table A.1. Cont'd

Scientific name	Common name
<u>Sphoeroides spengleri</u>	Bandtail puffer
<u>Sphoeroides testudineus</u>	Checkered puffer
<u>Sphyraena barracuda</u>	Great barracuda
<u>Sphyraena borealis</u>	Northern sennet
<u>Sphyraena guachancho</u>	Guaguanche
<u>Sphyrna lewini</u>	Scalloped hammerhead
<u>Sphyrna mokarran</u>	Great hammerhead
<u>Sphyrna tiburo</u>	Bonnethead
<u>Squatina dumerili</u>	Atlantic angel shark
<u>Steindachneria argentea</u>	Luminous hake
<u>Stellifer lanceolatus</u>	Star drum
<u>Stenotomus caprinus</u>	Longspine porgy
<u>Strongylura marina</u>	Atlantic needlefish
<u>Syacium gunteri</u>	Shoal flounder
<u>Symphurus civitatus</u>	Offshore tonguefish
<u>Symphurus diomedianus</u>	Spotted tonguefish
<u>Symphurus parvus</u>	Pygmy tonguefish
<u>Symphurus pelicanus</u>	Longtail tonguefish
<u>Symphurus plagiosa</u>	Blackcheek tonguefish
<u>Syngnathus floridae</u>	Dusky pipefish
<u>Syngnathus fuscus</u>	Northern pipefish
<u>Syngnathus louisianae</u>	Chain pipefish
<u>Syngnathus pelagicus</u>	Sargassum pipefish
<u>Syngnathus scovelli</u>	Gulf pipefish
<u>Synodus foetens</u>	Inshore lizardfish
<u>Synodus poeyi</u>	Offshore lizardfish
<u>Tetrapturus albidus</u>	White marlin
<u>Tetrapturus pfluegeri</u>	Longbill spearfish
<u>Thalassoma bifasciatum</u>	Bluehead
<u>Thunnus albacares</u>	Yellowfin tuna
<u>Thunnus atlanticus</u>	Blackfin tuna
<u>Trachinocephalus myops</u>	Snakefish
<u>Trachinotus carolinus</u>	Florida pompano
<u>Trachinotus falcatus</u>	Permit
<u>Trachinotus goodei</u>	Palometa
<u>Trachurus lathami</u>	Rough scad
<u>Trichiurus lepturus</u>	Atlantic cutlassfish
<u>Trichopsetta ventralis</u>	Sash flounder
<u>Trinectes maculatus</u>	Hogchoker
<u>Trogloglanis pattersoni</u>	Toothless blindcat
<u>Umbrina coroides</u>	Sand drum
<u>Upeneus parvus</u>	Dwarf goatfish
<u>Uraspis secunda</u>	Cottonmouth jack
<u>Uroconger syringinus</u>	Threadtail conger
<u>Urolophus jamaicensis</u>	Yellow stingray
<u>Urophycis cirrata</u>	Gulf hake
<u>Urophycis floridana</u>	Southern hake
<u>Xiphias gladius</u>	Swordfish

Table A.1. Cont'd

Scientific name	Common name
<u>Zygonectes notatus</u>	Blackstripe topminnow
<u>Zygonectes olivaceus</u>	Blackspotted topminnow

^aAmerican Fisheries Society. 1980. C. E. Dawson, 1979, Bull. Mar. Sci 29(4):465, referred all populations of *Oostethus* to a single widely distributed species.

Appendix B

Table B.1. A List of Shellfish Indigenous in Texas.

Scientific Name	Common Name
<u>Abra aequalis</u>	Common Atlantic abra
<u>Acanthocarpus alexandri</u>	
<u>Acanthonyx petiverii</u>	
<u>Acetes americanus</u>	(Sergestid shrimp)
<u>Acetes americanus louisianensis</u>	(Sergestid shrimp)
<u>Acteocina canaliculata</u>	Channeled barrel-bubble
<u>Aequipecten irradians amplicostatus</u>	Bay scallop
<u>Aequipecten muscosus</u>	Rough scallop
<u>Alaba incerta</u>	Uncertain miniature cerith
<u>Alabina cerithioides</u>	Miniature horn shell
<u>Aligena texasiana</u>	Texas aligena
<u>Alpheus heterochaelis</u>	Pistol shrimp (Big-clawed snapping shrimp)
<u>Amaea mitchelli</u>	Mitchell's wentletrap
<u>Amblema plicata</u>	Threeridge
<u>Amusium papyraceus</u>	Papershell scallop
<u>Amygdalum papyria</u>	Paper mussel
<u>Anachis avara semiplicata</u>	Half-fold dove shell
<u>Anachis obesa</u>	Fat dove shell
<u>Anachis semiplicata</u>	Semiplicate dove shell
<u>Anarara brasiliiana</u>	Incongruous ark
<u>Anadara chemnitzii</u>	Chemnitz's ark
<u>Anadara ovalis</u>	Blood ark
<u>Anadara transversa</u>	Transverse ark
<u>Anasimus latus</u>	(Spider crab - 5 pts.)
<u>Anatina anatina</u>	Smooth duck clam
<u>Anodonta grandis</u>	Giant floater
<u>Anodonta imbecillis</u>	Paper pondshell
<u>Anodonta suborbiculata</u>	Flat floater
<u>Anodontia alba</u>	Buttercup lucina
<u>Anodontia philippiana</u>	Chalky buttercup
<u>Anomalocardia auferiana</u>	Pointed venus
<u>Anomia simplex</u>	Common jingle shell
<u>Anticlimax pilsbryi</u>	
<u>Antillorbis aeruginosa</u>	
<u>Aplysia brasiliiana</u>	Mottled sea hare
<u>Aplysia dactylomela</u>	Spotted sea hare
<u>Aplysia morio</u>	Sooty sea hare
<u>Aplysia willcoxi</u>	Sea hare
<u>Arca imbricata</u>	Mossy ark
<u>Arca zebra</u>	Turkey wing
<u>Architectonica nobilis</u>	Common sundial
<u>Arcidens confragosus</u>	Rock-pocketbook
<u>Arcinella cornuta</u>	True spiny jewel box
<u>Arenaeus cribrarius</u>	Speckled crab
<u>Argopecten gibbus</u>	Calico scallop
<u>Argopecten irradians amplicostatus</u>	Atlantic bay scallop
<u>Armina tigrina</u>	(Striped nudibranch)
<u>Assiminea pecos</u>	

Table B.1. Cont'd

Scientific name	Common name
<u>Assiminea succinea</u>	
<u>Atrina seminuda</u>	Half-naked pen shell
<u>Atrina serrata</u>	Saw-tooth pen shell
<u>Balcis arcuata</u>	Curved melanella
<u>Balcis jamaicensis</u>	Jamaica melanella
<u>Balconorbis uvaldensis</u>	
<u>Bankia gouldi</u>	Goold's shipworm
<u>Barbatia cancellaria</u>	Red brown ark
<u>Barbatia candida</u>	White bearded ark
<u>Barbatia domingensis</u>	White miniature ark
<u>Barbatia tenera</u>	Doc Bales' ark
<u>Barnea truncata</u>	Fallen angel wing
<u>Berghia coerulescens</u>	
<u>Biomphalaria havanensis</u>	Ghost rams-horn
<u>Bittium varium</u>	(Sea snail)
<u>Boonea impressa</u>	Impressed odostome
<u>Boonea seminuda</u>	Half-smooth odostome
<u>Brachidontes exustus</u>	Scorched mussel
<u>Brachidontes recurvus</u>	Bent mussel
<u>Bulla striata</u>	Striate bubble
<u>Bursatella leachii pleii</u>	Ragged sea hare
<u>Busycon contrarium</u>	(Whelk)
<u>Busycon perversum pulleyi</u>	Lightning whelk
<u>Busycon spiratum plagosum</u>	Pear whelk
<u>Cadulus sp.</u>	
<u>Caecum imbricatum</u>	Cooper's caecum
<u>Caecum johnsoni</u>	Johnson's caecum
<u>Caecum nitidum</u>	Little horn caecum
<u>Caecum pulchellum</u>	Beautiful little caecum
<u>Calappa flammea</u>	Box crab
<u>Calappa sulcata</u>	Shameface crab (Yellow box crab)
<u>Calcinus tibicen</u>	
<u>Callianassa islagrande</u>	(Burrowing shrimp)
<u>Callianassa jamaicense</u>	(Mud shrimp)
<u>Callianassa jamaicense louisianensis</u>	
<u>Callianassa latispina</u>	
<u>Callianassa major</u>	
<u>Callinectes exasperatus</u>	
<u>Callinectes marginatus</u>	Sargassum crab
<u>Callinectes ornatus</u>	
<u>Callinectes rathbunae</u>	
<u>Callinectes sapidus</u>	Blue crab
<u>Callinectes similis</u>	Lesser blue crab
<u>Calliostoma euglyptum</u>	Sculptured top-shell
<u>Callista maculata</u>	Calico clam
<u>Callista nimbose</u>	Sunray venus
<u>Callocardia texasiana</u>	Texas venus
<u>Calocaris hirsutimana</u>	

Table B.1. Cont'd

Scientific name	Common name
<u>Cambarellus ninae</u>	
<u>Cambarellus puer</u>	
<u>Cambarellus shufeldti</u>	
<u>Cambarus diogenes</u>	
<u>Cambarus hedgpethi</u>	
<u>Campeloma crassulum</u>	Ponderous campeloia
<u>Cancellaria reticulata</u>	Common nutmeg
<u>Cantharus cancellarius</u>	Cancellate cantharus
<u>Cantharus tinctus</u>	Tinted cantharus
<u>Cardisoma guanhumi</u>	(Giant land crab)
<u>Carditamera floridana</u>	Broad-ribbed cardita
<u>Carpilius corallinus</u>	Queen crab
<u>Cerberilla tanna</u>	
<u>Cerithidea pliculosa</u>	Plicate horn shell
<u>Cerithiopsis emersoni</u>	Awl miniature cerith
<u>Cerithiopsis greeni</u>	Green's miniature cerith
<u>Cerithium atratum</u>	Florida cerith
<u>Cerithium lutosum</u>	Muddy cerith
<u>Chaetopleura apiculata</u>	
<u>Chama congregata</u>	Little corrugated jewel box
<u>Chama macerophylla</u>	Leafy jewel box
<u>Chasmocarcinus mississippiensis</u>	(Goneplacid crab)
<u>Chione cancellata</u>	Cross-barred venus
<u>Chione clenchi</u>	Clench's chione
<u>Chione grus</u>	Gray pygmy venus
<u>Chione intapurpurea</u>	Lady-in-waiting venus
<u>Cincinnatia comalensis</u>	Comal siltsnail
<u>Cincinnatia peracuta</u>	
<u>Cincinnatia riograndensis</u>	
<u>Clibanarius vittatus</u>	Striped hermit crab
<u>Cochliolepis parasitica</u>	
<u>Cochliolepis striata</u>	
<u>Cochliopina riograndensis</u>	
<u>Cochliopina texana</u>	Spiral pebblesnail
<u>Codakia orbicularis</u>	Tiger lucina
<u>Coelocerus spinosus</u>	
<u>Collodes leptocheles</u>	
<u>Corbula caribaea</u>	Caribbean corbula
<u>Corbula operculata</u>	Oval corbula
<u>Crassinella lunulata</u>	Lunate crassinella
<u>Crassispira tampaensis</u>	Oyster turret
<u>Crassostrea virginica</u>	Eastern oyster
<u>Cratena pilata</u>	
<u>Crepidula fornicata</u>	Common Atlantic slipper shell
<u>Crepidula convexa</u>	Faded slipper shell
<u>Crepidula plana</u>	Eastern white slipper shell
<u>Cronius ruber</u>	
<u>Cryoturris cerinella</u>	Wax-colored mangelia

Table B.1. Cont'd

Scientific name	Common name
<u>Cumingia tellinoides</u>	Tellin-like cumingia
<u>Cyclinella tenuis</u>	Atlantic cyclinella
<u>Cyclograpsus integer</u>	
<u>Cyclostremella humilis</u>	
<u>Cyclostremiscus Jeaneae</u>	Jeanne's vitrinella
<u>Cyclostremiscus pentagonus</u>	Trilix vitrinella
<u>Cyclostremiscus suppressus</u>	
<u>Cylichnella bidentata</u>	Orbigny's baby-bubble
<u>Cymatium cingulatum</u>	Poulsen's triton
<u>Cymatium muricinum</u>	Knobbed triton
<u>Cymatium nicobaricum</u>	Gold-mouthed trion
<u>Cymatium parthenopeum</u>	Von Salis' triton
<u>Cymatium pileare</u>	Atlantic hairy triton
<u>Cypraea cervus</u>	Atlantic deer cowrie
<u>Cypraecassis testiculus</u>	Reticulated cowrie helmet
<u>Cyrtoneaias tampicoensis</u>	Tampico pearlymus
<u>Cyrtopleura costata</u>	Angel wing
<u>Dardanus fucosus</u>	
<u>Dardanus insignis</u>	
<u>Dentalium sp.</u>	
<u>Dentalium texasianum</u>	Texas tusk
<u>Depressiscula nautlae</u>	
<u>Diacria quadridentata</u>	Four-toothed cavoline
<u>Diastoma varium</u>	Variable bittium
<u>Dinocardium robustum</u>	Giant Atlantic cockle
<u>Diodora cayenensis</u>	Keyhole limpet
<u>Diplodonta semiaspera</u>	Pimpled diplodon
<u>Diplodonta soror</u>	
<u>Diplothyra smithii</u>	Oyster piddock
<u>Discodoris hedgpethi</u>	
<u>Distorsio clathrata</u>	Atlantic distorsio
<u>Domacia acanthophora</u>	
<u>Donax roemeri roemeri</u>	(Coquina shell)
<u>Donax texasianus</u>	Fat little donax
<u>Donax tumidus</u>	(Coquina shell)
<u>Donax variabilis texasiana</u>	(Coquina shell)
<u>Doridella obscur</u>	
<u>Dosinia discus</u>	Disk dosinia
<u>Dosinia elegans</u>	Elegant dosinia
<u>Drepanotrema cimex</u>	Ridged rams-horn
<u>Drepanotrema kermatoides</u>	Crested rams-horn
<u>Dromia erythropus</u>	
<u>Dromidia antillensis</u>	Lesser sponge crab
<u>Ebalia sp.</u>	
<u>Elimia comalensis</u>	Balcones elimia
<u>Elysia sp.</u>	
<u>Emerita benedicti</u>	(Mole crab)
<u>Emerita portoricensis</u>	Mole crab

Table B.1. Cont'd

Scientific name	Common name
<u>Emerita talpoida</u>	(Mole crab)
<u>Ensis minor</u>	Jackknife clam
<u>Episcynia inornata</u>	Hairy vitrinella
<u>Epitonium albidum</u>	White wentletrap
<u>Epitonium angulatum</u>	Angulatea wentletrap
<u>Epitonium apiculatum</u>	Dall's wentletrap
<u>Epitonium humphreysi</u>	Humphrey's wentletrap
<u>Epitonium multistriatum</u>	Multiribbed wentletrap
<u>Epitonium novangliae</u>	New England wentletrap
<u>Epitonium rupicola</u>	Brown-banded wentletrap
<u>Epitonium sericifilum</u>	(Wentletrap)
<u>Epitonium tollini</u>	Tollin's wentletrap
<u>Eriphia gonagra</u>	(Calico crab)
<u>Ervilia concentrica</u>	
<u>Euceramus praelongus</u>	(Porcellanid crab)
<u>Eulima bilineatus</u>	Two-lined melanella
<u>Eulimastoma canaliculata</u>	
<u>Eulimastoma harbisonae</u>	
<u>Eulimastoma teres</u>	
<u>Eulimastoma weberi</u>	Weber's eulimastoma
<u>Eupera cubensis</u>	Mottled fingernailclam
<u>Eurypanopeus abbreviatus</u>	(Xanthid crab)
<u>Eurypanopeus depressus</u>	Flat mud crab
<u>Euryplax nitida</u>	
<u>Eurytium limosum</u>	
<u>Fargoa bushiana</u>	(Odostome)
<u>Fargoa dianthophila</u>	(Odostome)
<u>Fargoa gibbosa</u>	Fat odostome
<u>Fasciolaria hunteria</u>	(Tulip shell)
<u>Fasciolaria liliium</u>	Banded tulip shell
<u>Fasciolaria tulipa</u>	True tulip shell
<u>Ferrissia californica</u>	
<u>Ferrissia walkeri</u>	
<u>Fontelicella metcalfi</u>	
<u>Fontelicella davisii</u>	
<u>Fontelicella palomasensis</u>	
<u>Fossaria bullmoides</u>	Prairie fossaria
<u>Fossaria cockerelli</u>	
<u>Fossaria dalli</u>	Dusky fossoria
<u>Fossaria modicella</u>	Rock fossoria
<u>Fossaria obrussa</u>	Golden fossoria
<u>Fossaria parva</u>	Pygmy fossoria
<u>Fusconaia askewi</u>	Texas pigtoe
<u>Fusconaia cerina</u>	Gulf pigtoe
<u>Fusconaia lananensis</u>	Triangle pigtoe
<u>Gastrochaena hians</u>	Atlantic rocellaria
<u>Gecarcinus lateralis</u>	Black land crab
<u>Gemma purpurea</u>	Amethyst gem clam

Table B.1. Cont'd

Scientific name	Common name
<u>Geukensia demissa granosissima</u>	Ribbed mussel
<u>Glaucus atlanticus</u>	(Blue nudibranch)
<u>Glebula rotundata</u>	Round pearlshell
<u>Glyptoxanthus erosus</u>	
<u>Goniopsis cruentata</u>	
<u>Graphis underwoodae</u>	
<u>Grapsus grapsus</u>	
<u>Gregariella coralliophaga</u>	Common gregariella
<u>Cyraulus parvus</u>	Ash gyro
<u>Hadocerastaylori</u>	Nymph trumpet
<u>Haminoea antillarum</u>	Elegant paper-bubble
<u>Haminoea succinea</u>	Conrad's paper-bubble
<u>Hastula maryleeae</u>	Marylee's terebra
<u>Hastula salleana</u>	Salle's auger
<u>Hebetancylus excentricus</u>	Excentric ancyloid
<u>Heliacus bisulcata</u>	Orbigny's sundial
<u>Helisoma anceps</u>	Two-ridge rams-horn
<u>Henrya goldmani</u>	
<u>Hepatus epheliticus</u>	Calico crab
<u>Hepatus pudibundus</u>	(Spotted box crab)
<u>Heterocrypta granulata</u>	Pentagon crab
<u>Hexapanopeus angustifrons</u>	(Narrow mud crab)
<u>Hexapanopeus paulensis</u>	(Xanthid crab)
<u>Hiatella arctica</u>	Arctic saxicave
<u>Hippolysmata wurdemanni</u>	Peppermint crab
<u>Hippolyte pleuracantha</u>	
<u>Hippolyte zostericola</u>	
<u>Hiptolysmata oplophoriodes</u>	Longnose peppermint shrimp
<u>Hypoconcha arcuata</u>	Dromiid crab
<u>Hypoconcha sabulosa</u>	(Dromiid crab)
<u>Hypoconcha spinosissima</u>	(Dromiid crab)
<u>Iliacantha liodactylus</u>	
<u>Ischadium recurvum</u>	Hooked mussel
<u>Ischnochiton papillosus</u>	Mesh-pitted chiton
<u>Isocheles wurdemanni</u>	(Beach) hermit crab
<u>Isognomon alatus</u>	Flat tree oyster
<u>Isognomon bicolor</u>	Two-toned tree oyster
<u>Janthina pallida</u>	(Purple storm snail)
<u>Janthina janthina</u>	Violet snail
<u>Janthina prolongata</u>	(Purple storm snail)
<u>Kurtziella atrostyla</u>	Brown-tipped mangelia
<u>Kurtziella cerina</u>	Waxen mangelia
<u>Kurtziella limonitella</u>	Punctate mangelia
<u>Kurtziella rubella</u>	Reddish mangelia
<u>Laevapex diaphanus</u>	Cymbal ancyloid
<u>Laevapex fuscus</u>	Dusky ancyloid
<u>Laevicardium laevigatum</u>	Common egg cockle
<u>Laevicardium mortoni</u>	Morton's egg cockle

Table B.1. Cont'd

Scientific name	Common name
<u>Laevicardium robustum</u>	Giant Atlantic cockle
<u>Lamellaria leucosphaera</u>	Rang's lamellaria
<u>Lampsilis bracteata</u>	Texas fatmucket
<u>Lampsilis hydiana</u>	Louisiana fatmucket
<u>Lampsilis ovata</u>	Pocketbook
<u>Lampsilis satura</u>	Sandbook pocketbook
<u>Lampsilis teres</u>	Yellow sandshell
<u>Lasmigona complanata</u>	White heelsplitter
<u>Latreutes fucorum</u>	(Sargassum shrimp)
<u>Latreutes parvulus</u>	(Sargassum shrimp)
<u>Leander tenuicornis</u>	(Grass shrimp)
<u>Leiolumbrus nitidus</u>	(Crab - long-armed)
<u>Lepidopa benedicti</u>	(Small crab)
<u>Lepidopa websteri</u>	(Square-shaped crab)
<u>Leptochela carinata</u>	(Carid shrimp)
<u>Leptochela serratorbita</u>	(Carid shrimp)
<u>Leptodea fragilis</u>	Fragile papershell
<u>Lepton lepidum</u>	
<u>Libinia dubia</u>	Spider crab
<u>Libinia emarginata</u>	(Spider crab)
<u>Ligumia subrostrata</u>	Pondmussel
<u>Lima lima</u>	Spiny lima
<u>Lima pellucida</u>	Antillean lima
<u>Linga amiantus</u>	Lovely miniature lucina
<u>Lioberis castaneus</u>	Say's chestnut mussel
<u>Lithophaga aristata</u>	Scissor date mussel
<u>Lithophaga bisulcata</u>	Mahogany date mussel
<u>Littorina angulifera</u>	Angulatea periwinkle
<u>Littorina irrorata</u>	Marsh periwinkle
<u>Littorina lineolata</u>	Zebra periwinkle
<u>Littorina meleagris</u>	Spotted periwinkle
<u>Littorina nebulosa</u>	Cloudy periwinkle
<u>Loligo pealei</u>	Long-finned squid
<u>Loligo pleii</u>	Plee's striped squid
<u>Loliguncula brevis</u>	Thumbstall squid
<u>Lolliguncula brevis</u>	Brief squid
<u>Lucapinella limatula</u>	File fleshy limpet
<u>Lucifer faxoni</u>	(Sergestid shrimp)
<u>Lucina pectinata</u>	Thick lucina
<u>Lyonsia hyalina floridana</u>	Florida lyonsia
<u>Lyrodus pedicellatus</u>	Stalked shipworm
<u>Lyropecten nodosus</u>	Lion's paw
<u>Lysiosquilla scabricauda</u>	(Giant) mantis shrimp
<u>Macoma brevifrons</u>	Short macoma
<u>Macoma constricta</u>	Constricted macoma
<u>Macoma mitchelli</u>	Mitchell's macoma
<u>Macoma pulleyi</u>	Pulley's macoma
<u>Macoma tageliformis</u>	Tagelus-like macoma

Table B.1. Cont'd

Scientific name	Common name
<u>Macoma tenta</u>	Tenta macoma
<u>Macrobrachium acanthurus</u>	River prawn
<u>Macrobrachium carcinus</u>	
<u>Macrobrachium ohione</u>	River shrimp
<u>Macrocoeloma trispinosum</u>	Grass crab; Decorator crab
<u>Macromphalina palmalitoris</u>	
<u>Mactra fragilis</u>	Fragile Atlantic mactra
<u>Megalobrachium soriatum</u>	
<u>Megalonaias nervosa</u>	Washboard
<u>Melampus bidentatus</u>	Coffee melampus
<u>Menippe adina</u>	Stone crab
<u>Menippe mercenaria</u>	Stone crab
<u>Mercenaria campechiensis</u>	Southern quahog
<u>Mercenaria campechiensis texana</u>	Texas quahog
<u>Metoporphaphis calcarata</u>	(Fuzzy spider crab)
<u>Micromenetus dilatatus</u>	Bugle sprite
<u>Micromenetus sampsoni</u>	
<u>Micropanope nuttingii</u>	
<u>Micropanope sculptipes</u>	
<u>Micropanope spinipes</u>	(Xanthid crab)
<u>Mithrax acuticornis</u>	(Coral crab)
<u>Mithrax forceps</u>	(Coral crab)
<u>Mithrax hispidus</u>	(Coral crab)
<u>Mitrella lunata</u>	Lunar dove shell
<u>Modiolus americanus</u>	Tulip mussel
<u>Modiolus demissus granosissimus</u>	Atlantic ribbed mussel
<u>Modulus modulus</u>	Atlantic modulus
<u>Mulinia lateralis</u>	Dwarf surf clam
<u>Murex fulvescens</u>	Giant Eastern murex
<u>Murex pomum</u>	Apple murex
<u>Musculium partumeium</u>	Swamp fingernailclam
<u>Musculium securis</u>	Pond fingernailclam
<u>Musculium transversum</u>	Long fingernailclam
<u>Musculus lateralis</u>	Lateral musculus
<u>Myropsis quinquespinosa</u>	
<u>Mysella planulata</u>	Atlantic flat lepton
<u>Mytilopsis leucophaeta</u>	Conrad's false mussel
<u>Nannodiella vespuciana</u>	
<u>Nassarius acutus</u>	Sharp-knobbed nassa
<u>Nassarius vibex</u>	Common Eastern nassa
<u>Natica canrena</u>	Colorful Atlantic natica
<u>Natica pusilla</u>	Miniature natica
<u>Neopanope texana</u>	(Xanthid crab)
<u>Neosimnia acicularis</u>	(Sea whip snail)
<u>Neosimnia uniplicata</u>	(Sea whip snail)
<u>Nerita fulgurans</u>	Antillean nerite
<u>Neritina reclinata</u>	Olive nerite
<u>Neritina virginea</u>	Virgin nerite

Table B.1. Cont'd

Scientific name	Common name
<u>Niso aegless</u>	
<u>Noetia ponderosa</u>	Ponderous ark
<u>Nucula proxima</u>	Atlantic nut clam
<u>Nuculana acuta</u>	Pointed nut clam
<u>Nuculana concentrica</u>	Concentric nut clam
<u>Obliquaria reflexa</u>	Threehorn wartyback
<u>Obovaria jacksoniana</u>	Southern hickorynut
<u>Octopus joubini</u>	Pygmy octopus
<u>Octopus vulgaris</u>	Common Atlantic octopus
<u>Ocypode quadrata</u>	Ghost crab
<u>Odostomia emeryi</u>	(Oyster snail)
<u>Odostomia impressa</u>	(Oyster snail)
<u>Oliva sayana</u>	Lettered olive
<u>Olivella dealbata</u>	Whitened dwarf olive
<u>Olivella minuta</u>	Minute dwarf olive
<u>Orconectes cylpeatus</u>	
<u>Orconectes difficilis</u>	
<u>Orconectes lancifer</u>	
<u>Orconectes nais</u>	
<u>Orconectes neglectus</u>	
<u>Orconectes palmeri</u>	
<u>Osachila sp.</u>	
<u>Ostrea equestris</u>	Crested oyster (horse)
<u>Ovalipes floridanus</u>	Lady crab
<u>Pachygrapsus gracilis</u>	
<u>Pachygrapsus transversus</u>	
<u>Paguristes hewatti</u>	
<u>Paguristes hummi</u>	(Blue spot hermit crab)
<u>Paguristes sericeus</u>	
<u>Pagurus annulipes</u>	(Brown-banded hermit crab)
<u>Pagurus bonairensis</u>	(Hermit crab)
<u>Pagurus brevidactylus</u>	(Hermit crab)
<u>Pagurus bullisi</u>	(Hermit crab)
<u>Pagurus longicarpus</u>	(Long claw hermit crab)
<u>Pagurus impressus</u>	(Hermit crab)
<u>Pagurus pollicaris</u>	(Big claw hermit crab)
<u>Palaemonetes intermedius</u>	(Grass shrimp)
<u>Palaemonetes pugio</u>	(Grass shrimp)
<u>Palaemonetes vulgaris</u>	(Grass shrimp)
<u>Pandora trilineata</u>	Say's pandora
<u>Panopea bitruncata</u>	Geoduck
<u>Panopeus bermudensis</u>	(Xanthid crab)
<u>Panopeus herbstii</u>	(Xanthid crab)
<u>Panopeus turgidus</u>	(Xanthid crab)
<u>Paramya subovata</u>	
<u>Parapenaeus longirostris</u>	(Offshore penaeid shrimp)
<u>Parthenope pourtalesii</u>	(Parthenopid crab)
<u>Parthenope serrata</u>	(Parthenopid crab)

Table B.1. Cont'd

Scientific name	Common name
<u>Parvilucina multilineata</u>	Many-lined lucina
<u>Parviturboides interruptus</u>	
<u>Pecten raveneli</u>	Ravenel's scallop
<u>Pedipes mirabilis</u>	Stepping shell
<u>Pelia mutica</u>	(Spider crab)
<u>Penaeus aztecus</u>	Brown shrimp
<u>Penaeus duorarum</u>	Pink shrimp
<u>Penaeus setiferus</u>	White shrimp
<u>Periploma margaritaceum</u>	Unequal spoon clam
<u>Peristichia toreta</u>	
<u>Persephona aquilonaris</u>	(Purse crab)
<u>Persephona crinita</u>	(Raninid crab)
<u>Persephona mediterranea</u>	Purse crab
<u>Petricola pholadiformis</u>	False angel wing
<u>Petricola typica</u>	Atlantic rupellaria
<u>Petrochirus diogenes</u>	Red hermit crab
<u>Petrolisthes armatus</u>	(Porcellanid crab)
<u>Petrolisthes galathinus</u>	(Porcellanid crab)
<u>Phacoides pectinatus</u>	Thick lucine
<u>Phalium granulatum</u>	Scotch bonnet
<u>Pholas campechiensis</u>	Campeche angel wing
<u>Phreatodrobia conica</u>	Hueco cavesnail
<u>Phreatodrobia coronae</u>	
<u>Phreatodrobia imitata</u>	Mimic cavesnail
<u>Phreatodrobia micra</u>	Flattened cavesnail
<u>Phreatodrobia nugax</u>	Domed cavesnail
<u>Phreatodrobia plana</u>	Disc cavesnail
<u>Phreatodrobia punctata</u>	High-hat cavesnail
<u>Phreatodrobia rotunda</u>	Beaked cavesnail
<u>Physella bottimeri</u>	Comanche physa
<u>Physella conoidea</u>	Texas physa
<u>Physella gyrina</u>	Tadpole physa
<u>Physella heterostropha</u>	Pewter physa
<u>Physella squalida</u>	Squalid physa
<u>Physella virgata</u>	Protean physa
<u>Pilumnus dasypodus</u>	
<u>Pilumnus floridanus</u>	
<u>Pilumnus pannosus</u>	
<u>Pilumnus sayi</u>	Hairy crab
<u>Pinctada imbricata</u>	Atlantic pearl oyster
<u>Pinnixia chacei</u>	(Mud tube crab)
<u>Pinnixia chaetopterana</u>	(Mud tube crab)
<u>Pinnixia cristata</u>	(Mud tube crab)
<u>Pinnixia lunzi</u>	(Mud tube crab)
<u>Pinnixia retinens</u>	(Mud tube crab)
<u>Pinnixia sayana</u>	(Mud tube crab)
<u>Pinnotheres maculatus</u>	(Commensal crab)
<u>Pinnotheres ostreum</u>	(Commensal crab)

Table B.1. Cont'd

Scientific name	Common name
<u>Pisania tinctoria</u>	Tinted cantharus
<u>Pisidium casertanum</u>	Ubiquitous peaclam
<u>Pisidium compressum</u>	Ridged-beak peaclam
<u>Pisidium insigne</u>	Tiny peaclam
<u>Pisidium nitidum</u>	Shiny peaclam
<u>Pisidium punctiferum</u>	Striate peaclam
<u>Plagusia depressa</u>	
<u>Planes cyaneus</u>	
<u>Planorbella duryi</u>	Seminole rams-horn
<u>Planorbella tenuis</u>	Mexican rams-horn
<u>Planorbella trivolvis</u>	Marsh rams-horn
<u>Platypodiella spectabilis</u>	
<u>Plectomerus dombeyanus</u>	Bankclimber
<u>Pleurobema riddelli</u>	Louisiana pigtoe
<u>Pleurobranchaea hedgpethi</u>	
<u>Pleuromalaxis balesi</u>	Bales' false dial
<u>Pleuroploca gigantea</u>	Florida horse conch
<u>Plicatula gibbosa</u>	Kitten's paw
<u>Podochela sidneyi</u>	(Spider crab)
<u>Pododesmus rudis</u>	Rough jingle shell
<u>Polinices duplicatus</u>	Shark's eye
<u>Polinices hepaticus</u>	Brown moon shell
<u>Polymesoda caroliniana</u>	Carolina marsh clam
<u>Polymesoda maritima</u>	Florida marsh clam
<u>Polyonyx gibbesi</u>	
<u>Popenaias popei</u>	Texas hornshell
<u>Porcellana sayana</u>	(Porcellanid crab)
<u>Porcellana sigsbeiana</u>	(Porcellanid crab)
<u>Porpita porpita</u>	Bubble raft
<u>Portunus spinicarpus</u>	(Portunid crab)
<u>Portunus spinimanus</u>	(Portunid crab)
<u>Portunus gibbesii</u>	Purple crab
<u>Portunus sayi</u>	(Sargassum crab)
<u>Portunus ventralis</u>	(Portunid crab)
<u>Potamilus amphichaenus</u>	Texas heelsplitter
<u>Potamilus ohioensis</u>	Pink papershell
<u>Potamilus purpuratus</u>	Bleufer
<u>Potamilus salinasensis</u>	
<u>Probythenella louisianae</u>	
<u>Procambarus acutus</u>	
<u>Procambarus blandingi</u>	
<u>Procambarus clarki</u>	Crawfish
<u>Procambarus dupratzi</u>	
<u>Procambarus gracilis</u>	
<u>Procambarus hinei</u>	
<u>Procambarus incilis</u>	
<u>Procambarus natchitochae</u>	
<u>Procambarus simulans</u>	

Table B.1. Cont'd

Scientific name	Common name
<u>Procambarus texanus</u>	
<u>Promenetus exacuouus</u>	Sharp sprite
<u>Prunum apicina</u>	Common Atlantic marginella
<u>Pseudochama radians</u>	Atlantic left-handed jewel box
<u>Pseudocyphoma intermedium</u>	Weak-ridge cyphoma
<u>Pseudomedeus agassizi</u>	
<u>Pseudomiltha floridana</u>	Florida lucina
<u>Pseudosuccinea columella</u>	Mimic lymnaea
<u>Pteria colymbus</u>	Atlantic wing oyster
<u>Pylopagurus corallinus</u>	
<u>Pylopagurus holthuisi</u>	
<u>Pyramidella crenulata</u>	Notched pyram
<u>Pyrgocythara plicosa</u>	Plicate mangelia
<u>Pyrogogphorus spinosus</u>	Spiny crownsnail
<u>Quadrula apiculata</u>	Southern mapleleaf
<u>Quadrula aurea</u>	Golden orb
<u>Quadrula couchiana</u>	Rio Grande monkeyface
<u>Quadrula houstonensis</u>	Smooth pimpleback
<u>Quadrula mortoni</u>	Western pimpleback
<u>Quadrula petrina</u>	Texas pimpleback
<u>Quadrula pustulosa</u>	Pimpleback
<u>Quadrula quadrula</u>	Mapleleaf
<u>Quincuncina mitchelli</u>	False spike
<u>Raeta plicatella</u>	Channeled duck clam
<u>Rangia flexuosa</u>	Brown rangia
<u>Rangia cuneata</u>	Common rangia
<u>Raninoides louisianensis</u>	Frog crab
<u>Recluzia rollaniana</u>	Brown sea snail
<u>Rictaxis punctostriatus</u>	Adams' baby-bubble
<u>Rissoina catesbyana</u>	Catesby's risso
<u>Rithropanopeus harrisi</u>	(Mud crab)
<u>Sanguinolaria sanguinolenta</u>	Atlantic sanguin
<u>Sayella livida</u>	
<u>Sayella sp.</u>	
<u>Syllaea pelagica</u>	(Sargassum nudibranch)
<u>Scyllarides aequinoctialis</u>	
<u>Scyllarides nodifer</u>	
<u>Scyllarus chacei</u>	
<u>Scyllarus nearctus</u>	
<u>Seila adamsi</u>	Adams' miniature cerith
<u>Semele bellastrata</u>	Cancellate semele
<u>Semele purpurascens</u>	Purplish semele
<u>Semele proficua</u>	White Atlantic semele
<u>Sesarma cinereum</u>	Wood crab
<u>Sesarma reticulatum</u>	(Marsh crab)
<u>Sicyonia brevirostis</u>	Rock shrimp
<u>Sicyonia dorsalis</u>	Lesser rock shrimp
<u>Sicyonia stimpsoni</u>	Spotted rock shrimp

Table B.1. Cont'd

Scientific name	Common name
<u>Sicyonia typica</u>	(Rock shrimp)
<u>Simnialena marferula</u>	Sea whip simnia
<u>Simnialena uniplicata</u>	Single-toothed simnia
<u>Sinum maculatum</u>	Maculated baby's ear
<u>Sinum perspectivum</u>	Common baby's ear
<u>Siphonaria pectinata</u>	Striped false limpet
<u>Smaragdia viridis viridemaris</u>	Emeralds nerite
<u>Solariorbis blakei</u>	
<u>Solariorbis infracarinata</u>	
<u>Solariorbis mooreana</u>	
<u>Solecurtus cumingianus</u>	Corrugated razor clam
<u>Solen viridis</u>	Green jackknife clam
<u>Solenocera vioscai</u>	Broken-back shrimp
<u>Speocarcinus lobatus</u>	(Goneplacid crab)
<u>Sphaerium striatinum</u>	Striated fingernail
<u>Spisula solidissima similis</u>	Atlantic surf clam
<u>Spondylus americanus</u>	Atlantic thorny osyter
<u>Squilla chydrea</u>	(Offshore mantis shrimp)
<u>Squilla neglecta</u>	Lesser mantis shrimp
<u>Stenophysa marmorata</u>	Marbled aplexa
<u>Stenophysa maugeriae</u>	Tawny aplexa
<u>Stenopus hispidus</u>	Banded coral shrimp
<u>Stenopus scutellatus</u>	(Cleaner shrimp)
<u>Stenorynchus seticornis</u>	Herbst arrow crab
<u>Strigilla mirabilis</u>	White strigilla
<u>Strombus alatus</u>	Fighting conch
<u>Strophitus undulatus</u>	Squawfoot
<u>Stygopyrgus bartonensis</u>	Barton cavesnail
<u>Synalpheus fritzmulleri</u>	Offshore snapping shrimp
<u>Tagelus divisus</u>	Purplish tagelus
<u>Tagelus plebeius</u>	Stout tagelus
<u>Tegula fasciata</u>	Smooth Atlantic tegula
<u>Teinostoma biscaynense</u>	
<u>Teinostoma leremum</u>	
<u>Teinostoma parvicallum</u>	Tiny-calloused teinostoma
<u>Tellidora cristata</u>	White crested tellin
<u>Tellina aequistriata</u>	Linnea tellin
<u>Tellina alternata</u>	Alternate tellin
<u>Tellina alternata tayloriana</u>	Taylor's tellin
<u>Tellina iris</u>	Iris tellin
<u>Tellina lineata</u>	Rose petal tellin
<u>Tellina texana</u>	Say's tellin
<u>Tellina tampaensis</u>	Tampa tellin
<u>Tellina versicolor</u>	DeKay's dwarf tellin
<u>Terebra dislocata</u>	Common Atlantic auger
<u>Terebra protexta</u>	Fine-ribbed auger
<u>Terebra taurina</u>	Flame auger
<u>Teredo bartschi</u>	Bartsch's shipworm

Table B.1. Cont'd

Scientific name	Common name
<u>Texadina barretti</u>	
<u>Texadina sphinctostoma</u>	
<u>Thais haemastoma canaliculata</u>	Hays' rock shell
<u>Thais haemastoma floridana</u>	Florida rock shell
<u>Thais haemastoma haysae</u>	(Rock shell)
<u>Tonna galea</u>	Giant tun shell
<u>Toxolasma parvus</u>	Lilliput
<u>Toxolasma texasensis</u>	Texas lilliput
<u>Tozeuma carolinense</u>	Arrow shrimp
<u>Trachycardium isocardia</u>	Prickly cockle
<u>Trachycardium muricatum</u>	Yellow cockle
<u>Trachypenaeus constrictus</u>	(Broken-necked shrimp)
<u>Trachypenaeus similis</u>	(Broken-necked shrimp)
<u>Tricolia affinis cruenta</u>	Checkered pheasant
<u>Triphora perversa nigrocincta</u>	Black-lined triphora
<u>Tritogonia verrucosa</u>	Pistolgrip
<u>Trivia suffusa</u>	Suffuse trivia
<u>Truncatella caribaeensis</u>	
<u>Truncilla cognata</u>	Mexican fawnsfoot
<u>Truncilla donaciformis</u>	Fawnsfoot
<u>Truncilla macrodon</u>	Texas fawnsfoot
<u>Truncilla truncata</u>	Deertoe
<u>Tryonia adamantina</u>	
<u>Tryonia brunei</u>	
<u>Tryonia cheatumi</u>	Phantom tryonia
<u>Tryonia stocktonensis</u>	
<u>Turbonilla elegantula</u>	Elegant turbonilla
<u>Turbonilla hemphilli</u>	Hemphill's turbonilla
<u>Turbonilla interrupta</u>	Interrupted turbonilla
<u>Turbonilla portoricana</u>	Puerto Rican turbonilla
<u>Uca longisignalis</u>	(Fiddler crab)
<u>Uca minax</u>	(Fiddler crab)
<u>Uca panacea</u>	Sand fiddler crab
<u>Uca pugilator</u>	(Fiddler crab)
<u>Uca pugnax</u>	(Fiddler crab)
<u>Uca rapax</u>	(Fiddler crab)
<u>Uca spinicarpa</u>	(Fiddler crab)
<u>Uca subcylindrica</u>	(Fiddler crab)
<u>Uniomerus declivus</u>	Tapered pondhorn
<u>Uniomerus tetralasmus</u>	Pondhorn
<u>Upogebia affinis</u>	(Upogebid crab)
<u>Vermicularia spirata</u>	West Indian worm shell
<u>Villosa lienosa</u>	Little spectaclecase
<u>Vitrinella floridana</u>	
<u>Vitrinella helicoidea</u>	Helix vitrinella
<u>Vitrinella texana</u>	
<u>Viviparus georgianus</u>	Banded mysteryshell
<u>Viviparus intertextus</u>	Rotund mysteryshell

Table B.1. Cont'd

Scientific name	Common name
<u>Viviparus subpurpureus</u>	Olive mysteryshell
<u>Volvulella persimilis</u>	
<u>Volvulella texasiana</u>	
<u>Xiphopenaeus kroyeri</u>	Seabob
<u>Zebina browniana</u>	Smooth risso

Appendix C

Table C.1 A List of Aquatic Plants Indigenous in Texas.

Scientific Name	Common Name
<u>Acorus calamus</u>	Sweetflag
<u>Agalinis maritima</u>	False-foxglove, Saltmarsh
<u>Agrostis alba</u>	Redtop
<u>Agrostis semiverticillata</u>	Bentgrass, Water
<u>Alisma subcordatum</u>	Water-plantain, Subcordate
<u>Alnus serrulata</u>	Alder, Brook-side
<u>Alopecurus aequalis</u>	Foxtail, Short-awn
<u>Alopecurus geniculatus</u>	Foxtail, Meadow
<u>Amaranthus australis</u>	Amaranth, Southern
<u>Ammannia auriculata</u>	Ammannia, Red-stem
<u>Ammannia coccinea</u>	Ammannia, Purple
<u>Ammannia latifolia</u>	Ammannia, Pink
<u>Aquilegia chaplinei</u>	Columbine, Chapline's
<u>Armoracia aquatica</u>	Lakecress
<u>Asclepias lanceolata</u>	Milkweed, Fen-flower
<u>Asclepias longifolia</u>	Milkweed, Long-leaf
<u>Asclepias perennis</u>	Milkweed, Aquatic
<u>Asclepias rubra</u>	Milkweed, Red
<u>Aster subulatus</u>	Aster, Annual saltmarsh
<u>Aster tenuifolius</u>	Aster, Perennial saltmarsh
<u>Aster umbellatus</u>	Aster, Flat-top white
<u>Avicennia germinans</u>	Mangrove, Black
<u>Axonopus furcatus</u>	Grass, Big carpet
<u>Azolla mexicana</u>	Fern, Mexican mosquito
<u>Bacopa caroliniana</u>	Water-hyssop, Carolina
<u>Bacopa monnieri</u>	Water-hyssop, Coastal
<u>Bacopa rotundifolia</u>	Water-hyssop, Disk
<u>Bartonia paniculata</u>	Screwstem, Twining
<u>Bartonia texana</u>	Screwstem, Texas
<u>Bartonia verna</u>	Screwstem, White
<u>Batis maritima</u>	Saltwort
<u>Bergia texana</u>	Bergia, Texas
<u>Berula erecta</u>	Parsnip, Cut-leaf water
<u>Bidens cernua</u>	Beggar-ticks, Nodding
<u>Bidens laevis</u>	Beggar-ticks, Smooth
<u>Bidens mitis</u>	Beggar-ticks, Small-fruit
<u>Brasenia schreberi</u>	Watershield
<u>Burmannia biflora</u>	Burmannia, Northern
<u>Burmannia capitata</u>	Burmannia, Southern
<u>Calamovilfa arcuata</u>	Sand-reedgrass, Cumberland
<u>Callitriche heterophylla</u>	Water-starwort, Larger
<u>Callitriche peploides</u>	Water-starwort, Mat
<u>Callitriche verna</u>	Water-starwort, Spiny
<u>Calopogon tuberosus</u>	Grass-pink, Tuberous
<u>Canna flaccida</u>	Bandana-of-the-everglades
<u>Canna glauca</u>	Canna, Louisiana
<u>Cardamine bulbosa</u>	Bitter-cress, Bulbous
<u>Carex amphibola</u>	Sedge, Narrow-leaf

Table C.1. Cont'd

Scientific name	Common name
<u>Carex atlantica</u>	Sedge, Prickly bog
<u>Carex aurea</u>	Sedge, Golden-fruit
<u>Carex brevior</u>	Sedge, Short-beak
<u>Carex bushii</u>	Sedge, Bush's
<u>Carex buxbaumii</u>	Sedge, Brown bog
<u>Carex caroliniana</u>	Sedge, Hirsute
<u>Carex cephalophora</u>	Sedge, Oval-leaf
<u>Carex comosa</u>	Sedge, Bearded
<u>Carex complanata</u>	Sedge, Hirsute
<u>Carex crinita</u>	Sedge, Fringed
<u>Carex crus-corvi</u>	Sedge, Raven-foot
<u>Carex debilis</u>	Sedge, White-edge
<u>Carex decomposita</u>	Sedge, Cypress-knee
<u>Carex emoryi</u>	Sedge, Emory's
<u>Carex fissa</u>	Sedge, Thread-leaf
<u>Carex frankii</u>	Sedge, Frank's
<u>Carex gigantea</u>	Sedge, Large
<u>Carex glaucescens</u>	Sedge, Southern waxy
<u>Carex granularis</u>	Sedge, Meadow
<u>Carex howei</u>	Sedge, Howe
<u>Carex hyalinolepis</u>	Sedge, Shoreline
<u>Carex hystericina</u>	Sedge, Porcupine
<u>Carex intumescens</u>	Sedge, Bladder
<u>Carex jorii</u>	Sedge, Cypress-swamp
<u>Carex laevivaginata</u>	Sedge, Smooth-sheath
<u>Carex lanuginosa</u>	Sedge, Woolly
<u>Carex lasiocarpa</u>	Sedge, Woolly-fruit
<u>Carex leptalea</u>	Sedge, Bristly-stalk
<u>Carex longii</u>	Sedge, Greenish-white
<u>Carex louisianica</u>	Sedge, Louisiana
<u>Carex lupuliformis</u>	Sedge, False hop
<u>Carex lupulina</u>	Sedge, Hop
<u>Carex lurida</u>	Sedge, Shallow
<u>Carex microdonta</u>	Sedge, Little-tooth
<u>Carex muskingumensis</u>	Sedge, Muskingum
<u>Carex normalis</u>	Sedge, Larger straw
<u>Carex oxylepis</u>	Sedge, Sharp-scale
<u>Carex reniformis</u>	Sedge, Kidney-shape
<u>Carex squarrosa</u>	Sedge, Squarrose
<u>Carex straminea</u>	Sedge, Straw
<u>Carex stricta</u>	Sedge, Uptight
<u>Carex styloflexa</u>	Sedge, Bent
<u>Carex triangularis</u>	Sedge, Fox
<u>Carex tribuloides</u>	Sedge, Blunt broom
<u>Carex typhina</u>	Sedge, Cat-tail
<u>Carex verrucosa</u>	Sedge, Warty
<u>Carex vulpinoidea</u>	Sedge, Fox
<u>Carex willdenowii</u>	Sedge, Willdenow's

Table C.1. Cont'd

Scientific name	Common name
<u>Carex X alata</u>	Sedge, Broadwing
<u>Carex X crebriflora</u>	Sedge, Coastal-plain
<u>Carex X stipata</u>	Sedge, Stalk-grain
<u>Carya aquatica</u>	Hickory, Water
<u>Carya X lecontei</u>	Pecan, Bitter
<u>Cephalanthus occidentalis</u>	Buttonbrush, Common
<u>Cephalanthus salicifolius</u>	Buttonbrush, Mexican
<u>Ceratophyllum demersum</u>	Hornwort, Common
<u>Ceratophyllum muricatum</u>	Hornwort, Prickly
<u>Ceratopteris thalictroides</u>	Sprite, Water
<u>Cicuta maculata</u>	Water-hemlock, Spotted
<u>Cicuta mexicana</u>	Water-hemlock, Mexican
<u>Cladium californicum</u>	Sawgrass, California
<u>Cladium jamaicense</u>	Sawgrass, Jamaica
<u>Cladium mariscoides</u>	Sawgrass, Smooth
<u>Crassula aquatica</u>	Pygmy-weed, Water
<u>Crataegus opaca</u>	Hawthorn, River-flat
<u>Cressa nudicaulis</u>	Alkali-weed, Leafless
<u>Crinum americanum</u>	Swampily, Southern
<u>Cymodocea filiformis</u>	Manatee-grass
<u>Cynanchum angustifolium</u>	Shallow-wort, Gulf Coast
<u>Cyperus acuminatus</u>	Flatsedge, Short-point
<u>Cyperus aristatus</u>	Flatsedge, Awmed
<u>Cyperus articulatus</u>	Flatsedge, Jointed
<u>Cyperus erythrorhizos</u>	Flatsedge, Red-root
<u>Cyperus ferruginescens</u>	Flatsedge, Rusty
<u>Cyperus flavescens</u>	Flatsedge, Yellow
<u>Cyperus giganteus</u>	Flatsedge, Giant
<u>Cyperus haspan</u>	Flatsedge, Sheathed
<u>Decodon verticillatus</u>	Swamp-loosestrife, Hairy
<u>Dichanthelium scabriusculum</u>	Grass, Woolly panic
<u>Dichromena latifolia</u>	White-top-sedge, Giant
<u>Didiplis diandra</u>	Water-purslane
<u>Diodia virginiana</u>	Button-weed, Virginia
<u>Drosera brevifolia</u>	Sundew, Dwarf
<u>Drosera capillaris</u>	Sundew, Pink
<u>Drosera intermedia</u>	Sundew, Spoon-leaf
<u>Dryopteris cristata</u>	Shield-fern, Crested
<u>Dulichium arundinaceum</u>	Sedge, Three-way
<u>Echinochloa crus-pavonis</u>	Cockspur, Gulf
<u>Echinochloa paludigena</u>	Cockspur, Florida
<u>Echinochloa walteri</u>	Cockspur, Coast
<u>Echinodorus cordifolius</u>	Burhead, Creeping
<u>Echinodurus parvulus</u>	Burhead, Dwarf
<u>Echinodurus rostratus</u>	Burhead, Upright
<u>Elatine americana</u>	Water-wort, American
<u>Elatine triandra</u>	Water-wort, Three-stamen
<u>Eleocharis acicularis</u>	Spikerush, Least

Table C.1. Cont'd

Scientific name	Common name
<u>Eleocharis acutisquamata</u>	Spikerush, Sharp-scale
<u>Eleocharis albida</u>	Spikerush, White
<u>Eleocharis cellulosa</u>	Spikerush, Gulf Coast
<u>Eleocharis cylindrica</u>	Spikerush, Cylinder
<u>Eleocharis elongata</u>	Spikerush, Slim
<u>Eleocharis equisetoides</u>	Spikerush, Horse-tail
<u>Eleocharis erythropoda</u>	Spikerush, Bald
<u>Eleocharis fallax</u>	Spikerush, Creeping
<u>Eleocharis flavescens</u>	Spikerush, Pale
<u>Eleocharis interstincta</u>	Spikerush, Knotted
<u>Eleocharis macrostachya</u>	Spikerush, Creeping
<u>Eleocharis microcarpa</u>	Spikerush, Small-fruit
<u>Eleocharis minima</u>	Spikerush, Small
<u>Eleocharis montana</u>	Spikerush, Dombey's
<u>Eleocharis obtusa</u>	Spikerush, Blunt
<u>Eleocharis ovata</u>	Spikerush, Ovate
<u>Eleocharis palustris</u>	Spikerush, Creeping
<u>Eleocharis parvula</u>	Spikerush, Small
<u>Eleocharis quadrangulata</u>	Spikerush, Square-stem
<u>Eleocharis radicans</u>	Spikerush, Rooted
<u>Eleocharis rostellata</u>	Spikerush, Beaked
<u>Eleocharis smallii</u>	Spikerush, Small's
<u>Eleocharis tuberculosa</u>	Spikerush, Long-tubercle
<u>Eleocharis wolfii</u>	Spikerush, Wolf's
<u>Elodea canadensis</u>	Water-weed, Broad
<u>Elodea nuttallii</u>	Water-weed, Nuttall's
<u>Epilobium coloratum</u>	Willow-herb, Purple-leaf
<u>Epipactis gigantea</u>	Helloborine, Giant
<u>Eragrostis glomerata</u>	Lovegrass, Pond
<u>Eragrostis hypnoides</u>	Lovegrass, Teal
<u>Eragrostis reptans</u>	Lovegrass, Hairy creeping
<u>Eriocaulon compressum</u>	Pipewort, Flattened
<u>Eriocaulon decangulare</u>	Pipewort, Ten-angle
<u>Eriocaulon kornickianum</u>	Pipewort, Small-head
<u>Eriocaulon texense</u>	Pipewort, Texas
<u>Eurystemon mexicanum</u>	
<u>Fimbristylis autumnalis</u>	Fimbry, Slender
<u>Fimbristylis castanea</u>	Fimbry, Marsh
<u>Fimbristylis miliacea</u>	Fimbry, Grassy-like
<u>Forestiera acuminata</u>	Privet, Swamp
<u>Fraxinus caroliniana</u>	Ash, Carolina
<u>Fuirena scirpoidea</u>	Umbrella-sedge, Southern
<u>Fuirena simplex</u>	Umbrella-sedge, Western
<u>Fuirena squarrosa</u>	Umbrella-sedge, Hairy
<u>Galium obtusum</u>	Bedstraw, Blunt-leaf
<u>Galium tinctorium</u>	Bedstraw, Stiff marsh
<u>Gleditsia aquatica</u>	Water-locust
<u>Glyceria septentrionalis</u>	Grass, Eastern manna

Table C.1. Cont'd

Scientific name	Common name
<u>Glyceria striata</u>	Grass, Fowl manna
<u>Gratiola neglecta</u>	Hedgehyssop, Clammy
<u>Gratiola virginiana</u>	Hedgehyssop, Round-fruit
<u>Habenaria repens</u>	Orchid, Water-spider
<u>Halodule beaudettei</u>	Shoalweed, Piedmont
<u>Halodule wrightii</u>	Shoalgrass
<u>Halophila engelmannii</u>	Sea-grass, Engelmann's
<u>Heteranthera liebmannii</u>	Mud-plantain, Liebmann's
<u>Heteranthera limosa</u>	Mud-plantain, Blue
<u>Heteranthera reniformis</u>	Mud-plantain, Kidney-leaf
<u>Hibiscus dasycalyx</u>	Rosemallow, Neches river
<u>Hibiscus laevis</u>	Rosemallow, Halberd-leaf
<u>Hibiscus lambertianus</u>	Rosemallow, Lambert's
<u>Hibiscus moscheutos</u>	Rosemallow, Swamp
<u>Hottonia inflata</u>	Featherfoil, American
<u>Hydrochloa caroliniensis</u>	Watergrass, Common
<u>Hydrocleys nymphoides</u>	Water-poppy
<u>Hydrocotyle ranunculoides</u>	Penny-wort, Floating
<u>Hydrocotyle umbellata</u>	Penny-wort, Many-flower
<u>Hydrocotyle verticillata</u>	Penny-wort, Worled
<u>Hydrolea ovata</u>	False-fiddle-leaf, Ovate
<u>Hydrolea spinosa</u>	False-fiddle-leaf, Spiny
<u>Hydrolea uniflora</u>	False-fiddle-leaf, One-flower
<u>Hygrophilla lacustris</u>	Hicotea, Lake
<u>Hymenocallis eulae</u>	Spider-lily, Autumn
<u>Hymenocallis liriosme</u>	Spider-lily
<u>Hymenocallis occidentalis</u>	Spider-lily, Northern
<u>Hypericum apocynifolium</u>	St. John's-wort
<u>Hypericum galioides</u>	St. John's-wort, Bedstraw
<u>Hyptis alata</u>	Bushmint, Cluster
<u>Ilex verticillata</u>	Winterberry, Common
<u>Iris brevicaulis</u>	Iris, Lamance
<u>Iris fulva</u>	Iris, Copper
<u>Iris hexagona</u>	Iris, Prairie
<u>Iris pseudacorus</u>	Iris, Yellow
<u>Iris shrevei</u>	Blueflag, Southern
<u>Iris virginica</u>	Blueflag, Virginia
<u>Isoetes butleri</u>	Quillwort, Butler's
<u>Isoetes lithophylla</u>	Quillwort, Rock
<u>Isoetes melanopoda</u>	Quillwort, Blackfoot
<u>Itea virginica</u>	Willow, Virginia
<u>Juncus acuminatus</u>	Rush, Taper-tip
<u>Juncus balticus</u>	Rush, Baltic
<u>Juncus bufonius</u>	Rush, Toad
<u>Juncus coriaceous</u>	Rush, Leathery
<u>Juncus effusus</u>	Rush, Soft
<u>Juncus elliottii</u>	Rush, Bog
<u>Juncus megacphalus</u>	Rush, Big-head

Table C.1. Cont'd

Scientific name	Common name
<u>Juncus nodatus</u>	Rush, Stout
<u>Juncus nodosus</u>	Rush, Knotted
<u>Juncus polycephalus</u>	Rush, Many-head
<u>Juncus repens</u>	Rush, Creeping
<u>Juncus roemeranus</u>	Rush, Needlegrass
<u>Juncus texanus</u>	Rush, Texas
<u>Juncus trigonocarpus</u>	Rush, Red-pod
<u>Justicia americana</u>	Water-willow, Common
<u>Justicia ovata</u>	Water-willow, Loose-flower
<u>Kosteletzkya althaeifolia</u>	Mallow, Althea seashore
<u>Kosteletzkya virginica</u>	Mallow, Virginia seashore
<u>Lachnocaulon anceps</u>	Bogbutton, White-head
<u>Leersia hexandra</u>	Cutgrass, Club-head
<u>Leersia lenticularis</u>	Cutgrass, Catchfly
<u>Leersia oryzoides</u>	Cutgrass, Rice
<u>Leitneria floridana</u>	Corkwood
<u>Lemna gibba</u>	Duckweed, Inflated
<u>Lemna minima</u>	Duckweed, Least
<u>Lemna minor</u>	Duckweed, Lesser
<u>Lemna obscura</u>	Duckweed, Little water
<u>Lemna perpusilla</u>	Duckweed, Minute
<u>Lemna trinervis</u>	Duckweed
<u>Lemna trisulca</u>	Duckweed, Star
<u>Lemna valdiviana</u>	Duckweed, Pale
<u>Limnobium spongia</u>	Frogbit, American
<u>Limnophila sessiliflora</u>	Marshweed, Asian
<u>Limonium carolinianum</u>	Sea-lavender, Carolina
<u>Lindernia anagallidea</u>	False-pimpernel
<u>Lindernia dubia</u>	False-pimpernel, Yellow-seed
<u>Lobelia reverchonii</u>	Lobelia, Reverchon's
<u>Lobelia siphilitica</u>	Lobelia, Great blue
<u>Ludwigia alternifolia</u>	Seedbox, Bushy
<u>Ludwigia bonariensis</u>	Seedbox, Carolina
<u>Ludwigia decurrens</u>	Willow, Primose
<u>Ludwigia glandulosa</u>	Seedbox, Cylindric-fruit
<u>Ludwigia hirtella</u>	Seedbox, Hairy
<u>Ludwigia leptocarpa</u>	Seedbox, River
<u>Ludwigia linearis</u>	Seedbox, Narrow-leaf
<u>Ludwigia octovalvis</u>	Seedbox, Mexican
<u>Ludwigia palustris</u>	Seedbox, Marsh
<u>Ludwigia peploides</u>	Seedbox, Floating
<u>Ludwigia pilosa</u>	Seedbox, Hairy
<u>Ludwigia repens</u>	Seedbox, Creeping
<u>Ludwigia sphaerocarpa</u>	Seedbox, Globe-fruit
<u>Ludwigia uruguayensis</u>	Seedbox, Uruguay
<u>Lycopodium alopecuroides</u>	Clubmoss, Fox-tail
<u>Lycopodium appressum</u>	Clubmoss, Southern bog
<u>Lycopodium carolinianum</u>	Clubmoss, Slender

Table C.1. Cont'd

Scientific name	Common name
<u>Lycopodium prostratum</u>	Clubmoss, Feather-stem
<u>Lycopus americanus</u>	Bugleweed, American
<u>Lycopus asper</u>	Bugleweed, Rough
<u>Lycopus rubellus</u>	Bugleweed, Taper-leaf
<u>Lycopus uniflorus</u>	Bugleweed, Northern
<u>Lycopus virginicus</u>	Bugleweed, Virginia
<u>Lythrum alatum</u>	Loosestrife, Winged
<u>Lythrum californicum</u>	Loosestrife, California
<u>Magnolia virginiana</u>	Magnolia, Sweetbay
<u>Marsilea macropoda</u>	Fern, Big-foot water
<u>Marsilea mexicana</u>	Fern, Mexican water
<u>Marsilea tenuifolia</u>	Fern, Narrow-leaf
<u>Marsilea uncinata</u>	Fern, Southern water
<u>Marsilea vestita</u>	Fern, Hairy water
<u>Mayaca aubletii</u>	Bog-moss, Aublet's
<u>Mecardonia vandellioides</u>	Mecardonia, Yellow-flower
<u>Micranthemum umbrosum</u>	Mudflower, Shade
<u>Mimulus alatus</u>	Monkey-flower, Sharp-wing
<u>Mimulus dentilobus</u>	Monkey-flower, Southwest
<u>Mimulus glabratus</u>	Monkey-flower, Round-leaf
<u>Mimulus ringens</u>	Monkey-flower, Alleghany
<u>Monanthochloe littoralis</u>	Keygrass
<u>Myriophyllum heterophyllum</u>	Water-milfoil, Two-leaf
<u>Myriophyllum pinnatum</u>	Water-milfoil, Cut-leaf
<u>Myriophyllum verticillatum</u>	Water-milfoil, Whorled
<u>Najas guadalupensis</u>	Naiad, Southern
<u>Najas marina</u>	Naiad, Spiny
<u>Nasturtium officinale</u>	Water-cress, True
<u>Nelumbo lutea</u>	Lotus, American
<u>Nuphar luteum</u>	Cow-lily, Yellow
<u>Nymphaea elegans</u>	Water-lily, Blue
<u>Nymphaea mexicana</u>	Water-lily, Banana
<u>Nymphaea odorata</u>	Water-lily, White
<u>Nymphaea tuberosa</u>	Water-lily, White
<u>Nymphoides aquatica</u>	Floating-heart, Big
<u>Nymphoides peltata</u>	Floating-heart, Yellow
<u>Nyssa aquatica</u>	Water-tupelo
<u>Nyssa sylvatica</u>	Tupelo, Swamp
<u>Orontium aquaticum</u>	Club, Golden
<u>Oryza sativa</u>	Rice, Cultivated
<u>Osmunda regalis</u>	Fern, Royal
<u>Oxypolis rigidior</u>	Cowbane, Stiff
<u>Panicum hemitomon</u>	Maiden-cane
<u>Panicum longifolium</u>	Grass, Panic
<u>Parnassia asarifolia</u>	Grass-of-parnassus, Kidney-leaf
<u>Parnassia grandifolia</u>	Grass-of-parnassus, Large-flower
<u>Paspalidium geminatum</u>	Water panicum
<u>Paspalum acuminatum</u>	Paspalum, Brook

Table C.1. Cont'd

Scientific name	Common name
<u>Paspalum dissectum</u>	Paspalum, Mudbank
<u>Paspalum fluitans</u>	Paspalum, Water
<u>Paspalum lividum</u>	Longtom
<u>Paspalum repens</u>	Paspalum, Water
<u>Peltandra luteospadix</u>	Arum, Green arrow
<u>Peltandra virginica</u>	Arum, Arrow
<u>Penthorum sedoides</u>	Ditch-stonecrop
<u>Pentodon pentandrus</u>	Pentodon, Hall's
<u>Phanopyrum gymnocarpon</u>	Grass, Savannah panic
<u>Physostegia correllii</u>	Dragon-head, Correll's
<u>Physostegia intermedia</u>	Dragon-head, Slender
<u>Pilularia americana</u>	Pillwort, American
<u>Pinguicula pumila</u>	Butterwort, Small
<u>Planera aquatica</u>	Planer-tree
<u>Platanthera blephariglottis</u>	Orchid, White fringe
<u>Platanthera cristata</u>	Orchid, Yellow-crest
<u>Platanthera interga</u>	Orchid, Yellow fringeless
<u>Platanthera leucophaea</u>	Orchid, Prairie white-fringe
<u>Platanthera x clavellata</u>	Orchid, Small green woodland
<u>Pluchea purpurascens</u>	Camphor-weed, Saltmarsh
<u>Podostemum ceratophyllum</u>	Riverweed, Horn-leaf
<u>Pogonia ophioglossoides</u>	Pogonia, Rose
<u>Polygala cruciata</u>	Milkwort, Cross-leaf
<u>Polygala ramosa</u>	Milkwort, Low pinebarren
<u>Polygonum amphibium</u>	Smartweed, Water
<u>Polygonum argyrocoleon</u>	Knotweed, Silver-sheath
<u>Polygonum densiflorum</u>	Smartweed, Dense-flower
<u>Polygonum hydropiper</u>	Smartweed, Marshpepper
<u>Polygonum hydropiperoides</u>	Smartweed, Swamp
<u>Polygonum opelousanum</u>	Pepper, Little water
<u>Polygonum sagittatum</u>	Tearthumb, Arrow-leaf
<u>Polygonum setaceum</u>	Smartweed, Swamp
<u>Polypogon interruptus</u>	Grass, Ditch rabbit-foot
<u>Pontederia cordata</u>	Weed, Pickerel
<u>Potamogeton amplifolius</u>	Pondweed, Large-leaf
<u>Potamogeton clystocarpus</u>	Pondweed, Fernald's
<u>Potamogeton crispus</u>	Pondweed, Curly
<u>Potamogeton diversifolius</u>	Pondweed, Water-thread
<u>Potamogeton foliosus</u>	Pondweed, Leafy
<u>Potamogeton illinoensis</u>	Pondweed, Illinois
<u>Potamogeton latifolius</u>	Pondweed, Broad-leaf
<u>Potamogeton natans</u>	Pondweed, Floating-leaf
<u>Potamogeton nodosus</u>	Pondweed, Long-leaf
<u>Potamogeton pectinatus</u>	Pondweed, Sago
<u>Potamogeton pulcher</u>	Pondweed, Spotted
<u>Potamogeton pusillus</u>	Pondweed, Small
<u>Proserpinaca palustris</u>	Mermaid-weed, Marsh
<u>Proserpinaca pectinata</u>	Mermaid-weed, Comb-leaf

Table C.1. Cont'd

Scientific name	Common name
<u>Psilocarya nitens</u>	Baldrush, Short-beak
<u>Ptilimnium costatum</u>	Bishop-weed, Ribbed mock
<u>Ptilimnium x texense</u>	Bishop-weed, Mock
<u>Quercus lyrata</u>	Oak, Overcup
<u>Ranunculus cymbalaria</u>	Butter-cup, Seaside
<u>Ranunculus laxicaulis</u>	Butter-cup, Mississippi
<u>Ranunculus longirostris</u>	Butter-cup, Long-beak water
<u>Ranunculus pusillus</u>	Spearwort, Low
<u>Ranunculus sceleratus</u>	Butter-cup, Celery-leaf
<u>Ranunculus septentrionalis</u>	Butter-cup, Northern swamp
<u>Ranunculus subrigidus</u>	Butter-cup, Pond
<u>Rhexia virginica</u>	Meadow-beauty, Virginia
<u>Rhynchospora alba</u>	Beakrush, White
<u>Rhynchospora caduca</u>	Beakrush, Falling
<u>Rhynchospora capillacea</u>	Beakrush, Needle
<u>Rhynchospora capitellata</u>	Beakrush, Brownish
<u>Rhynchospora cephalantha</u>	Beakrush, Clustered
<u>Rhynchospora corniculata</u>	Beakrush, Short-bristle
<u>Rhynchospora divergens</u>	Beakrush, Spreading
<u>Rhynchospora glomerata</u>	Beakrush, Clustered
<u>Rhynchospora gracilentia</u>	Beakrush, Slender
<u>Rhynchospora macra</u>	Beakrush, Large
<u>Rhynchospora macrostachya</u>	Beakrush, Tall
<u>Rhynchospora mixta</u>	Beakrush, Mingled
<u>Rhynchospora oligantha</u>	Beakrush, Few-flower
<u>Rhynchospora perplexa</u>	Beakrush, Pineland
<u>Rhynchospora rariflora</u>	Beakrush, Few-flower
<u>Rorippa palustris</u>	Yellow-cress, Bog
<u>Rorippa teres</u>	Yellow-cress, Marsh
<u>Rotala ramosior</u>	Toothcup
<u>Ruppia maritima</u>	Widgeon-grass
<u>Sabatia dodecandra</u>	Rose-gentian, Large
<u>Sacciolepis striata</u>	Cupscale, American
<u>Sagittaria ambigua</u>	Arrow-head, Kansas
<u>Sagittaria brevirostra</u>	Arrow-head, Short-beak
<u>Sagittaria calycina</u>	Arrow-head, Hooded
<u>Sagittaria cuneata</u>	Arrow-head, Northern
<u>Sagittaria falcata</u>	Arrow-head, Coastal
<u>Sagittaria graminea</u>	Arrow-head, Grass-leaf
<u>Sagittaria lancifolia</u>	Arrow-head, Bull-tongue
<u>Sagittaria latifolia</u>	Arrow-head, Broad-leaf
<u>Sagittaria longiloba</u>	Arrow-head, Long-barb
<u>Sagittaria montevidensis</u>	Arrow-head, Long-lobed
<u>Sagittaria papillosa</u>	Arrow-head, Nipple-bract
<u>Sagittaria platyphylla</u>	Arrow-head, Delta
<u>Salicornia bigelovii</u>	Glasswort, Dwarf
<u>Salicornia virginica</u>	Glasswort, Virginia
<u>Salix petiolaris</u>	Willow, Meadow

Table C.1. Cont'd

Scientific name	Common name
<u>Samolus parviflorus</u>	Pimpernel, Water
<u>Sarracenia alata</u>	Trumpets, Yellow
<u>Satureja brownei</u>	Savory, Brown's
<u>Saururus cernuus</u>	Tail, Lizard's
<u>Schoenolirion croceum</u>	Sunny-bell, Yellow
<u>Schoenus nigricans</u>	Black-sedge
<u>Scirpus acutus</u>	Bulrush, Hard-stem
<u>Scirpus americanus</u>	Bulrush, Olney's
<u>Scirpus atrovirens</u>	Bulrush, Green
<u>Scirpus californicus</u>	Bulrush, California
<u>Scirpus cubensis</u>	Bulrush, Cuban
<u>Scirpus cyperinus</u>	Wool-grass
<u>Scirpus erectus</u>	Bulrush, Sharp-scale
<u>Scirpus etuberculatus</u>	Bulrush, Canby's
<u>Scirpus georgianus</u>	Bulrush, Dark-green
<u>Scirpus hallii</u>	Bulrush, Hall's
<u>Scirpus heterochaetus</u>	Bulrush, Slender
<u>Scirpus molestus</u>	Bulrush, Gulf Coast
<u>Scirpus pallidus</u>	Bulrush, Cloaked
<u>Scirpus pendulus</u>	Bulrush, Drooping
<u>Scirpus pungens</u>	Bulrush, Three-square
<u>Scirpus robustus</u>	Bulrush, Alkali
<u>Scirpus saximontanus</u>	Bulrush, Rocky mountain
<u>Scirpus validus</u>	Bulrush, Soft-stem
<u>Scleria reticularis</u>	Nutrush, Netted
<u>Scleria verticillata</u>	Nutrush, Low
<u>Sesuvium trianthemoides</u>	Sea-purslane, Texas
<u>Shinnersia rivularis</u>	
<u>Sisyrinchium demissum</u>	Blue-eye-grass, Stiff
<u>Sisyrinchium idahoense</u>	Blue-eye-grass, Idaho
<u>Sium suave</u>	Water-parsnip, Hemlock
<u>Smilax laurifolia</u>	Greenbrier, Laurel-leaf
<u>Smilax walteri</u>	Greenbrier, Coral
<u>Sparganium americanum</u>	Burreed, American
<u>Sparganium androcladum</u>	Burreed, Branching
<u>Sparganium eurycarpum</u>	Burreed, Giant
<u>Spartina alterniflora</u>	Cordgrass, Saltmarsh
<u>Spartina cynosuroides</u>	Cordgrass, Big
<u>Spergularia echinosperma</u>	Sandspurry, Bristle-seed
<u>Spergularia marina</u>	Sandspurry, Saltmarsh
<u>Sphenoclea zeylanica</u>	Chicken-spike
<u>Spiranthes laciniata</u>	Ladies'-tresses, Lace-lip
<u>Spiranthes odorata</u>	Ladies'-tresses, Fragrant
<u>Spirodela polyrhiza</u>	Duckweed, Greater
<u>Stemodia durantifolia</u>	Stemodia, White-woolly
<u>Suaeda conferta</u>	Seepweed
<u>Suaeda linearis</u>	Seepweed, annual
<u>Suaeda nigrescens</u>	Seepweed, Smooth

Table C.1. Cont'd

Scientific name	Common name
<u>Taxodium distichum</u>	Cypress, Bald
<u>Taxodium mucronatum</u>	Cypress, Montezuma bald
<u>Thalassia testudinum</u>	Turtle-grass
<u>Thalia dealbata</u>	Thalia, Powdery
<u>Thelypteris thelypteroides</u>	Fern, Marsh
<u>Tofieldia racemosa</u>	False-asphodel, Coastal
<u>Triadenum virginicum</u>	St. John's-wort, Marsh
<u>Triadenum walteri</u>	St. John's-wort, Larger marsh
<u>Typha angustifolia</u>	Cattail, Narrow-leaf
<u>Typha domingensis</u>	Cattail, Southern
<u>Typha latifolia</u>	Cattail, Broad-leaf
<u>Utricularia biflora</u>	Bladderwort, Two-flower
<u>Utricularia cornuta</u>	Bladderwort, Horned
<u>Utricularia fibrosa</u>	Bladderwort, Fibrous
<u>Utricularia gibba</u>	Bladderwort, Humped
<u>Utricularia inflata</u>	Bladderwort, Floating
<u>Utricularia juncea</u>	Bladderwort, Rush
<u>Utricularia macrorhiza</u>	Bladderwort, Common
<u>Utricularia purpurea</u>	Bladderwort, Purple
<u>Utricularia radiata</u>	Bladderwort, Little floating
<u>Utricularia subulata</u>	Bladderwort, Zigzag
<u>Verbena scabra</u>	Vervain, Sandpaper
<u>Vernonia lettermannii</u>	Ironweed, Narrow-leaf
<u>Veronica anagallis-aquatica</u>	Speedwell, Water
<u>Veronica peregrina</u>	Speedwell, Purslane
<u>Wolffia columbiana</u>	Water-meal, Columbia
<u>Wolffia papulifera</u>	Water-meal
<u>Wolffia punctata</u>	Water-meal, Dotted
<u>Wolffiella floridana</u>	Bogmat
<u>Wolffiella gladiata</u>	Bogmat, Sword
<u>Wolffiella lingulata</u>	Bogmat, Tongue-shape
<u>Xyris ambigua</u>	Yellow-eyed-grass, Coastal-plain
<u>Xyris baldwiniana</u>	Yellow-eyed-grass, Baldwin's
<u>Xyris iridifolia</u>	Yellow-eyed-grass, Iris-leaf
<u>Xyris jupicai</u>	Yellow-eyed-grass, Richard's
<u>Xyris platylepis</u>	Yellow-eyed-grass, Tall
<u>Xyris torta</u>	Yellow-eyed-grass, Twisted
<u>Zannichellia palustris</u>	Pondweed, Horned
<u>Zizania texana</u>	Wildrice, Texas
<u>Zizaniopsis miliacea</u>	Wildrice, Southern
<u>Zosterella dubia</u>	Star-grass, Water



