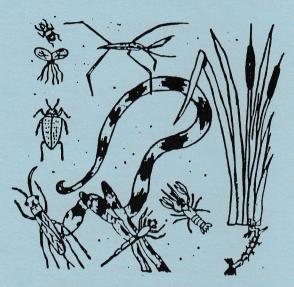
**OXLEY NATURE CENTER** 



# AQUATIC LIFE



THIS GUIDE WILL INTRODUCE YOU TO SOME OF THE MEMBERS OF THE WATER COMMUNITIES AT OXLEY NATURE CENTER. EXPLORE THE MARSH, COAL CREEK, OR LAKE SHERRY AND FIND WHAT PLANTS AND ANIMALS INHABIT THESE WATERS. WHAT ADAPTATIONS HAVE BEEN EVOLVED BY EACH MEMBER TO LIVE SUCCESSFULLY IN THIS PARTICULAR ENVIRONMENT?

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# Free Swimming Life:

# WATER FLEA



These tiny animals have their bodies compressed side to side, and a fringed, elongated second antennae to aid in swimming. Feed on detritus. They are important food for fish, insects, and wading birds.

# DIVING BEETLE



Large, predaceous beetles that are long lived (about 5 years). They carry an air bubble at the tip of their abdomen for underwater respiration.

# WATER SCORPION:



This brown, stick-like insect lurks in the mud or vegetation waiting to capture passing insects. Two long filaments at the abdomen interlock to form a respiratory tube for air intake at surface film.

# BLOODWORM:



This small, red "worm" feeds on algae and detritus. The adults look like small mosquitoes but do not bite.

# WATER BOATMAN:



Identified by oar-like arms that propel them through the water. Minute hairs on the ventral side capture air, creating a silver sheen called an air plastron. They feed on plant material.

# Th

# WATER MITE:

A small, bright red arachnid that is parasitic on insects and worms.

# FISH:

There are five common types:

a. Gar - a large fish with a long "beak" armed with sharp teeth. Feeds on other fish captured by sudden dashes. Have a lung-like swim bladder that supplements oxygen intake when the supply

is low (usually summer).



b. Carp - this relative of the goldfish has a single dorsal fin. Plows up the bottom when feeding on smal plants and animals. This often causes heavy siltation

from which many plants and eggs of other fish die.

- c. Catfish scaleless fish with long barbels around their large mouths. Scavenges on the bottom and can live in low-oxygenated, muddy waters.
- d. Blueglii a small fish with 6-8 vertical dark-colored bars on the sides. This sunfish is often found in aquatic weeds feeding on insects.
- e. Mosquito Fish a small fish (1-4cm) that resembles a guppy. Lives near the top of the water and feeds on insect larvae.

# WATER SNAKE:



This non-poisonous snake is often confused with the cottonmouth, It is usually seen sunning on logs or branches over water. The body is dark with various cross patterns.

# **Bottom Dwellers:**

# CRAYFISH:



An omnivorous predator that is usually active at night. When alarmed will dart quickly backwards. Holes can be found with mud piled up on one side of opening. Sheds outside skeleton as size increases. Large claws in front aid in capturing prey.





# FROGS AND TOADS:

Tadpoles are the immature or larval stage of frogs and toads. Their long, compressed tail is used for swimming. Spring is the best time for hearing the croaking of various frogs and toads. Two common ones are: a. **Chorus frogs** - sound like the noise made by running a fingernail along the teeth of a comb; b. **Leopard frogs** - sound like a low chuckle.

# SNAIL:



Snails feed on algae and detritus.
Gill snails seldom reside in polluted water, while lung snails can tolerate it. Tentacles are touch receptors.
Eggs are found attached to objects in a clear, spherical jelly mass.

# Aquatic Plants (Floating):



# DUCKWEED:

This free-floating plant often forms a green blanket on the water surface. It reproduces by budding or fission. A favorite food of ducks, muskrats, and beavers.

# Aquatic Plants (Emergent):



# WATER DOCK:

The brown cluster at the branch bases identifies this upright water plant. The leaves are entire and flat or wavy on the margins. The seeds can be ground into a flour.



# FLOATING PRIMROSE WILLOW:

Recognized by the yellow, 5petal flowers and alternate leaves. The creeping/floating stems can be up to 10 feet long.



# WATER PLANTAIN:

This tall perennial can be seen with its white flowers in July. The Indians dried and ate the submerged rhizomes.

# CATTAIL:



A very tall plant on the edges of water. Has spike-topped stems as high as the leaves. Often used by red-winged blackbirds to nest in. A versatile edible plant, everything from the roots to the pollen can be prepared for eating.

# Living in Vegetation



about one day to mate and lay eggs. legs with a single claw. Eats microscopic plant feathery, forked tail, (usually 3-forked), and Recognized by gills on sides of abdomen, long, forms (diatoms). Adults do not eat and only live





# larva

DRAGONFLY:

# Wings are held horizontally when at rest. abdomen. Adults feed on insects caught in flight. tadpoles. Swim by pulsating water out of the Voracious carnivores, these feed on insects and



DAMSELFLY:

million years old) long to the oldest order of insects, Odonata (300 and are slender. The dragonfly and damselfly behold their wings parallel to their bodies at rest, 3-platelike gills on tail. Preys on insects. They The small relative of the dragonfly, identified by





# STONEFLY:

are important food for young fish. Not found in animal. Feeds on algae and plant debris. Larvae Long antennae and a 2-forked tail identify this animals which do not feed. low-oxygenated water. Adults are shade-loving







# CADDISFLY:

on tiny plants and animals. Adults are primarily matter to form cases in which they live. Feeds onto which they embed sticks, stones, and other nocturnal These underwater architects spin a silken tube







# MOSQUITO:

the adult females suck blood they swim downwards. Only and microorganisms. Recogfuge hairs. They feed on algae tory tube and hang by hydrotime), larva project a respirafrom their prey. nized by the wiggling motion as (for up to 10 minutes at a In order to breathe underwater

# Found on Water's Surface



# WATER STRIDER

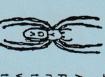
small insects. ranged to repel water and keep the insect afloat. Preys on hairs on the legs that are ar-This pond skater has waxy





# WHIRLIGIG BEETLE:

by injecting poison into prey before eating. and prey upon bloodworms and insect nymphs abdomen to breathe underwater. Eats insects found on surface film. Larvae are cannibalistic water's surface. Takes in a bubble of air at Has divided eyes to watch above and below the



# WATER SPIDER:

trap air, giving it a silvery appearance. Preys upca insects. water surface. The hairs also to distribute its weight on the number of body hairs that help predator is equipped with a large Also called the Fish Spider, this