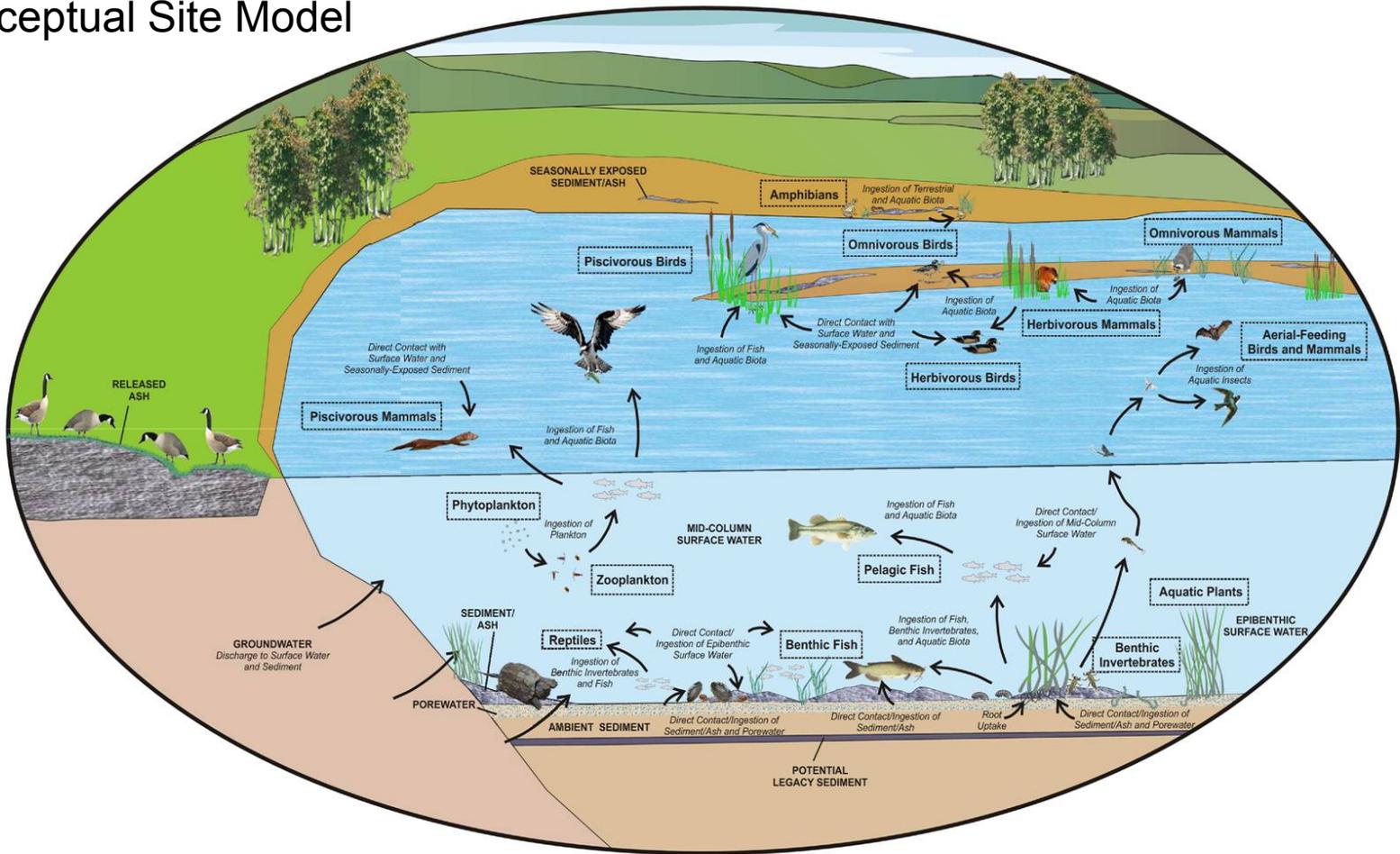


# Conceptual Site Model



A \_\_\_\_\_ of an organism is the position it occupies on the food chain.

\_\_\_\_\_ is the process where nutrients and contaminants from smaller organisms are passed on and build-up in the tissues of the larger organisms as they are consumed.

# Fish

Match the trophic designation with the appropriate species

## Trophic Designation

- \_\_\_ Piscivores primarily eat fish
- \_\_\_ Omnivores feed on both plant and animals
- \_\_\_ Invertivores feed on insects, snails, crayfish
- \_\_\_ Filter feeders strain small plants and animals from the water

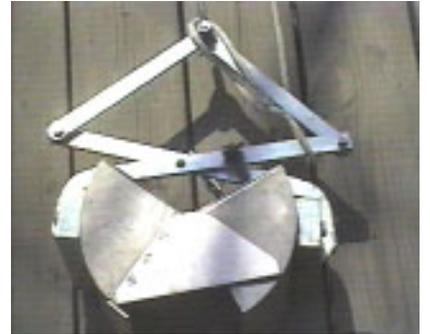


- A. Bluegill    B. Channel catfish    C. Gizzard shad    D. Largemouth bass

# Benthic Invertebrates

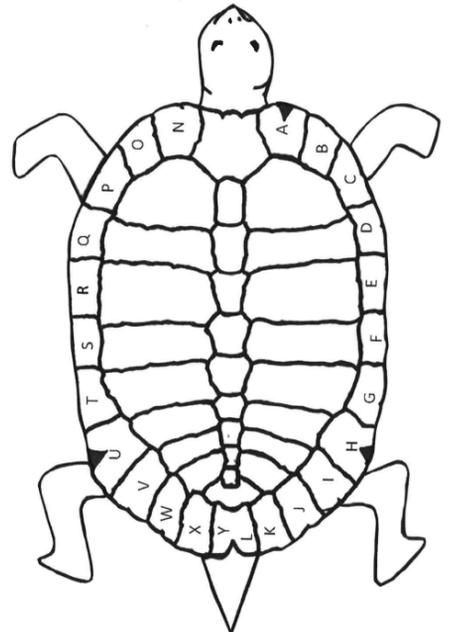
Which sampling methods were used to collect benthic invertebrates at the TVA Kingston Ash Recovery Project Site.

- \_\_\_ Mayfly nymphs    A. Ponar Dredge
- \_\_\_ Adult Mayflies    B. By Hand
- \_\_\_ Snails    C. Diving Gear
- \_\_\_ Mussels    D. Sweep Nets



# Terrestrial Wildlife

1. Name one kind of bird egg collected at the TVA Kingston Ash Recovery Project Site.
2. What is the 3-letter scute code on the turtle shown here?
3. How do you identify and locate a frog in the dark?





Match the name of each fish with its picture

\_\_\_ **Redear Sunfish** – (also called Shellcracker) may have faint vertical bars on sides; belly usually yellow in color; red or orange-red margin on “ear flap”

\_\_\_ **Bluegill** – powder blue edging on its cheeks; dark vertical bars on sides; “ear flap” dark to its margin

\_\_\_ **Longear Sunfish** – no vertical bars on sides; cheeks with bluish lines; long “ear flap” often with light border

\_\_\_ **Shad** (gizzard and threadfin shad) – body slender; silver in color, forked tail;

\_\_\_ **Channel Catfish** – body slender; chin barbells or “whiskers”; brown coloration; no scales; forked tail

\_\_\_ **Yellow Bass** – usually yellow coloration; distinct stripes along the side; stripes usually broken and offset

\_\_\_ **Largemouth Bass** – body slender; dull green coloration; horizontal band of green blotches

\_\_\_ **Smallmouth Bass** – body slender; brown or bronze coloration; “tiger-striped”

\_\_\_ **Black Crappie** – no vertical bars on sides; dark speckles all over

\_\_\_ **White Crappie** – dark vertical bars on sides; often slight yellow coloration

