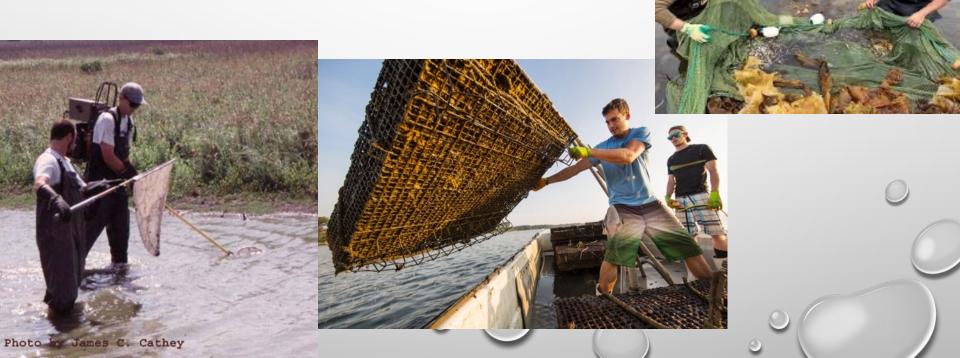
LEEP FISHERIES MANAGEMENT

WHAT IS FISHERIES MANAGEMENT?

- WHAT ARE FISHERIES?
- WHAT DOES MANAGEMENT MEAN?



WHY MONITOR FISH POPULATIONS?





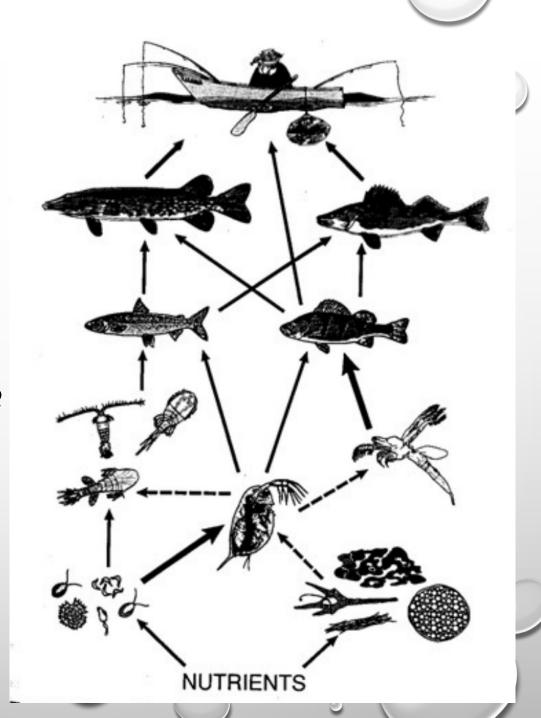


WHY MONITOR FISH POPULATIONS?

- UNDERSTAND HOW MANY FISH THERE ARE
- TRACK MIGRATION OR MOVEMENT OF FISH
- SEE WHICH HABITATS ARE BEING USED
- DOCUMENT WHERE AND WHEN FISH BREED

FISH ARE IMPORTANT FOR THE LAKE'S FOOD WEBS!

WHY ARE FISH
IMPORTANT FOR
LAKE FOOD WEBS?



FISHERY MANAGER GOALS ARE TO:

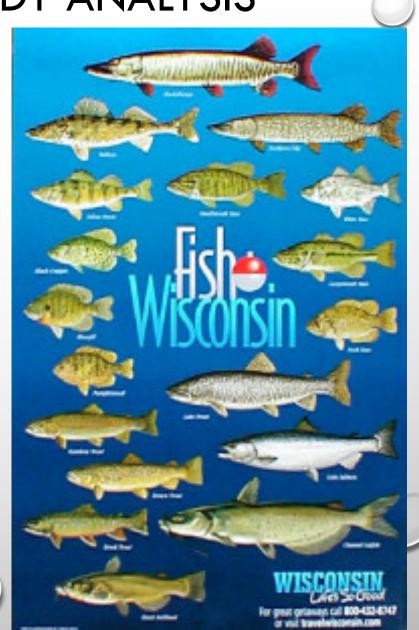
1) KEEP FISH POPULATIONS AT A LEVEL WHERE THE ECOSYSTEM IS BALANCED

2) BALANCE WHAT PEOPLE WANT TO FISH, CONSUME, AND USE WITH NATURAL PROCESSES



LOOK AT BONY LAKE AND LOWER
 EAU CLAIRE LAKE

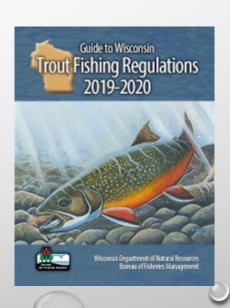
• COMPLETE QUESTIONS 1 AND 2



WHY REGULATE FISH POPULATIONS?

- WHAT WOULD HAPPEN IF TOO MANY FISH WERE REMOVED FROM THE LAKE?
- WHAT WOULD HAPPEN IF TOO MANY WERE LIVING IN THE LAKE?



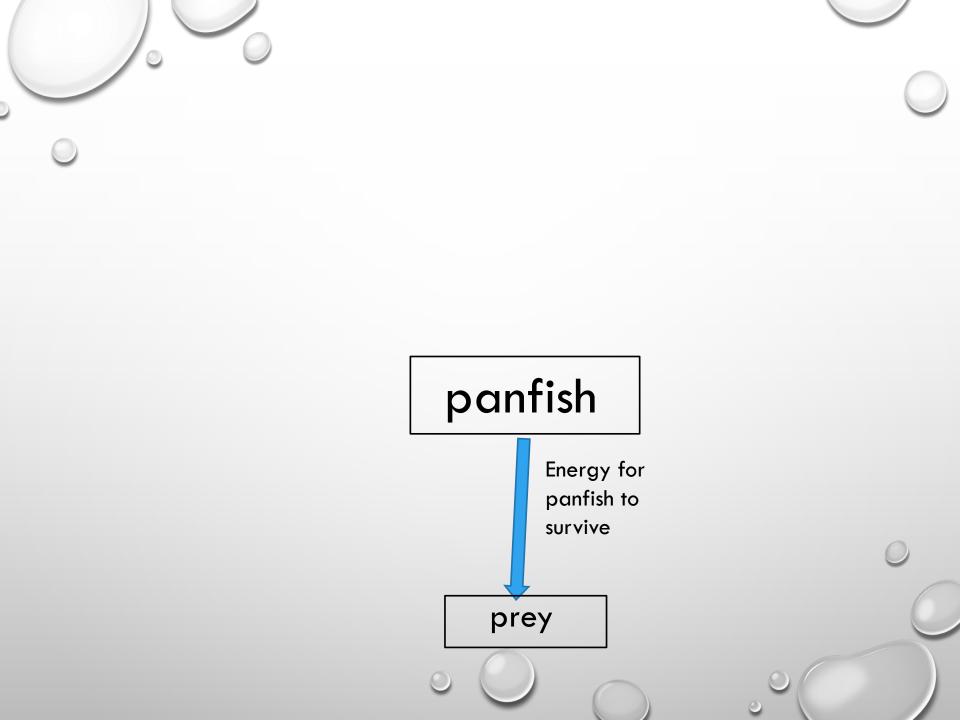


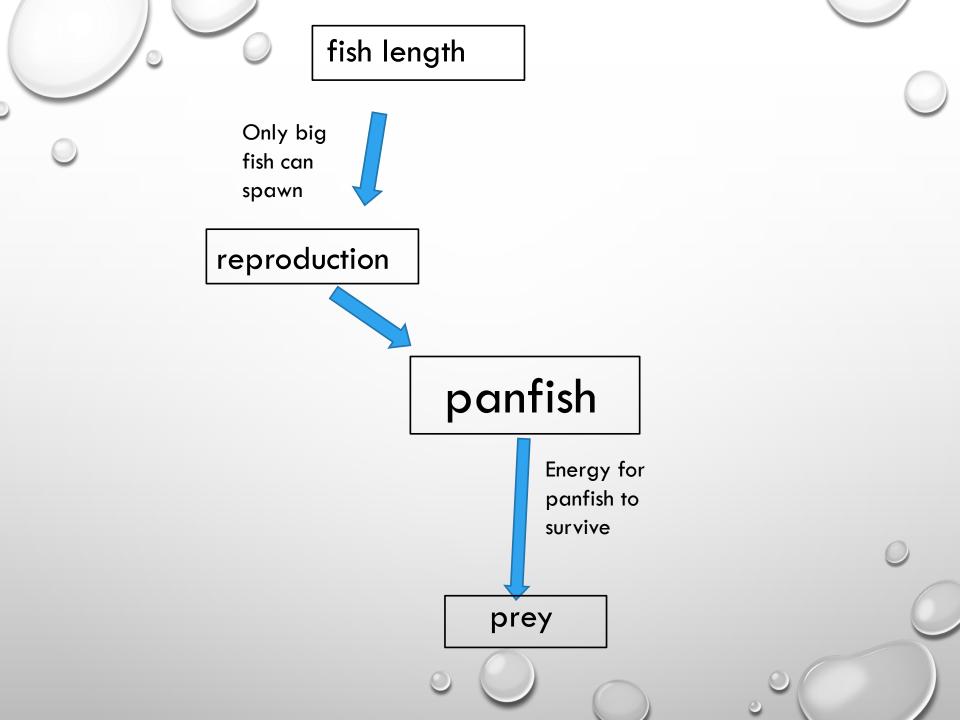
WHAT FACTORS AFFECT FISH POPULATIONS?

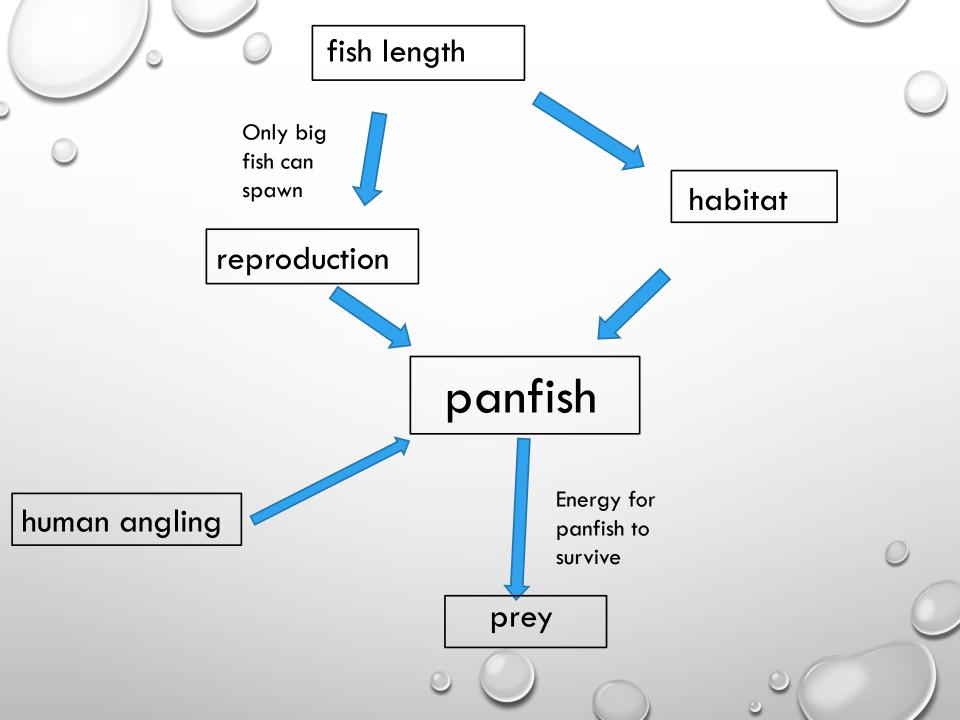


WHAT FACTORS AFFECT FISH POPULATIONS?

- HUMAN ANGLING
- BREEDING/REPRODUCTION
- PREDATOR/PREY RELATIONSHIPS
- FOOD AVAILABILITY
- SIZE OF THE POPULATION
- HOW BIG THE FISH ARE (MOSTLY OLD, MOSTLY YOUNG)
- HABITATS THAT ARE AVAILABLE







ECOSYSTEM APPROACH

- FISHERIES MANAGERS HAVE TO CONSIDER THE WHOLE ECOSYSTEM
 WHEN THEY MAKE DECISIONS
- EVERYTHING HAS A CHAIN REACTION RELATIONSHIPS ARE ALL CONNECTED

REGULATION TYPES

- BAG LIMITS LIMITS THE NUMBER OF FISH YOU CAN TAKE HOME
- SIZE LIMITS LIMITS THE SIZE OF FISH YOU CAN TAKE HOME
- OPEN SEASONS LIMITS WHEN YOU CAN FISH FOR THAT SPECIES
- CATCH AND RELEASE YOU CAN'T HARVEST THAT SPECIES

TAKE AWAY:

 REGULATIONS THAT YOU SEE ON LAKES ARE BASED ON LOTS OF MONITORING RESEARCH!

• THE SPECIFIC REGULATION TYPE IS USED TO MAKE SURE THE ECOSYSTEM IS BALANCED.

• KEEPING FISH POPULATIONS AT A STABLE LEVEL WILL HELP THE LAKE'S PREDATORS, PREY, FISHING, ZOOPLANKTON, ALGAE, AND NUTRIENTS.

PREVIEW FOR FIELD TRIP:

SAMPLING FISH WITH A SEINE AND MINNOW TRAPS