## **Aquatic Conditions Fact Sheet**

FOR STUDENTS

Most Acidic —————	—— Neutral ———	Most Basic
0 1 2 3 4 5	6 7 8 9	10 11 12 13 14
Bacteria 1.0————————————————————————————————————		13.0
Plants (algae, rooted, etc.)	6.5 ———	13.0
Carps, suckers, catfish, some insects	6.0 ———8.5	
Bass, crappie	6.0 ———8.5	
Snails, clams, mussels	6.5——— 9.0	
Largest variety of animals (trout, mayfly, stonefly, caddisfly)	6.0 ———8.5	

## Temperature Ranges (Approximate) Required for Certain Organisms

Temperature

Greater than 68 F (20 C) = Warm water Much plant life, many fish diseases

Most bass, crappie, Bluegill, carp, catfish,

caddisfly, dragonfly, mayfly, mussels

55 - 68 F (12.8 - 20 C) = Cool water Plant life, some fish diseases

Salmon, trout, stonefly, mayfly, caddisfly, water beetles, smallmouth and rock bass, various minnows and darters, mussels

Less than 55 F (12.8 C) = Cold water Trout, caddisfly, stonefly, mayfly,

various minnows, darters, sculpins

## Dissolved Oxygen (DO) Requirements for Native Fish and Other Aquatic Life (DO in parts per million [ppm])

(Below 68 F)
Cold-water organisms including salmon and trout

(Above 68 F)

Warm-water organisms including fish such as bass, crappie, catfish, and carp

6 ppm 5 ppm