ATTACHMENT 8—pH RANGES THAT SUPPORT AQUATIC LIFE

Most Acid Neutral Most Alkaline
1 2 3 4 5 6 7 8 9 10 11 12 13 14

Bacteria
1.0 ---------- 13

Plants
(algae, rooted, etc.) 6.5 ---------- 13

Carps, sucker, catfish,
some insects 6.0 ---------- 9.0

Bass, crappie 6.5 --------- 9.0

Snails, clams, mussels 7.0 ------9.0

Largest variety of animals (trout
mayfly, stonefly, caddisfly) 6.5 -7.5

Temperature Ranges (approximate) Required for Certain Organisms

Greater than 20°C (68°F)	Much plant life, many fish diseases, bass crappie, bluegill, carp, catfish, caddisfly
Middle range: 12.8-20°C (55-68°F)	Some plant life, some fish diseases, salmon trout, stonefly, mayfly, caddisfly, water beetles
Low range: less than 12.8°C (55°F)	Trout, caddisfly, stonefly, mayfly

(Adapted from Whole Ecosystems in Balance, 1995, A Natural Resources Curriculum, Blue Mountain Natural Resource Institute, La Grande, Oregon)