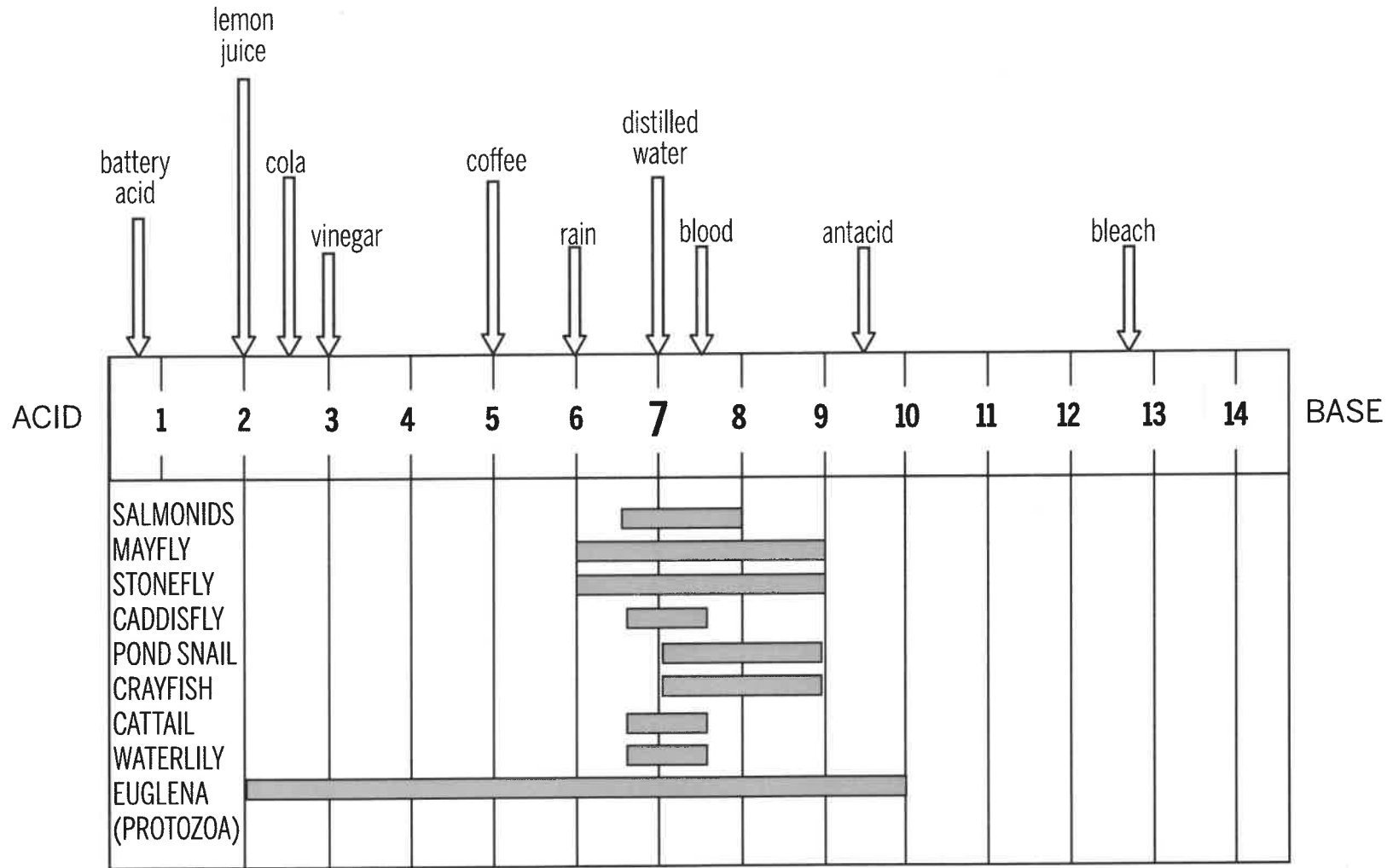




Water Quality

Lethal pH Limits for Aquatic Organisms





Water Quality

OREGON WATER QUALITY STANDARDS for TEMPERATURE

COLUMBIA RIVER
SALMONID REARING BASINS
SALMONID SPAWNING WATER

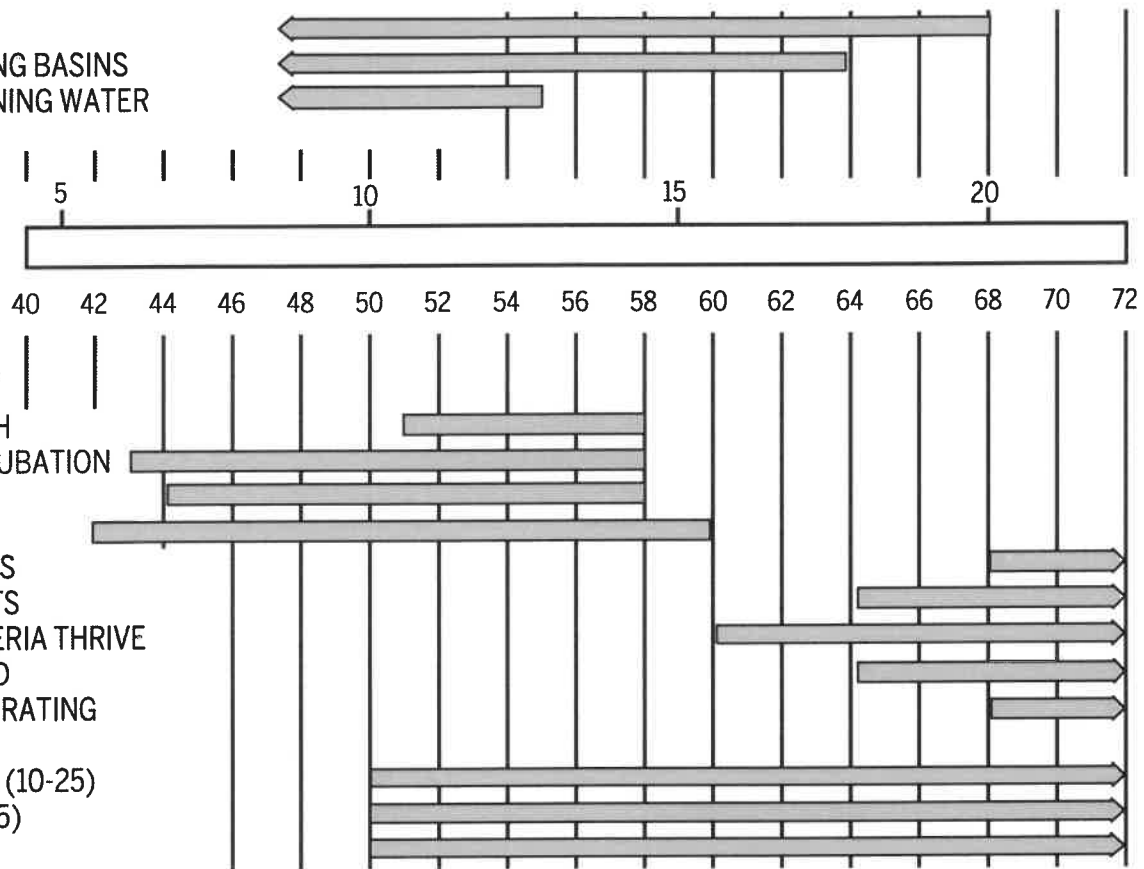
°C

°F

SPRING CHINOOK

JUVENILE GROWTH
EGG & ALEVIN INCUBATION
SPAWNING
MIGRATION
LETHAL TO ADULTS
LETHAL TO SMOLTS
DISEASES / BACTERIA THRIVE
ADULTS STRESSED
ADULTS STOP MIGRATING

AQUATIC INSECTS (10-25)
POND SNAIL (10-25)
CRAYFISH (10-25)



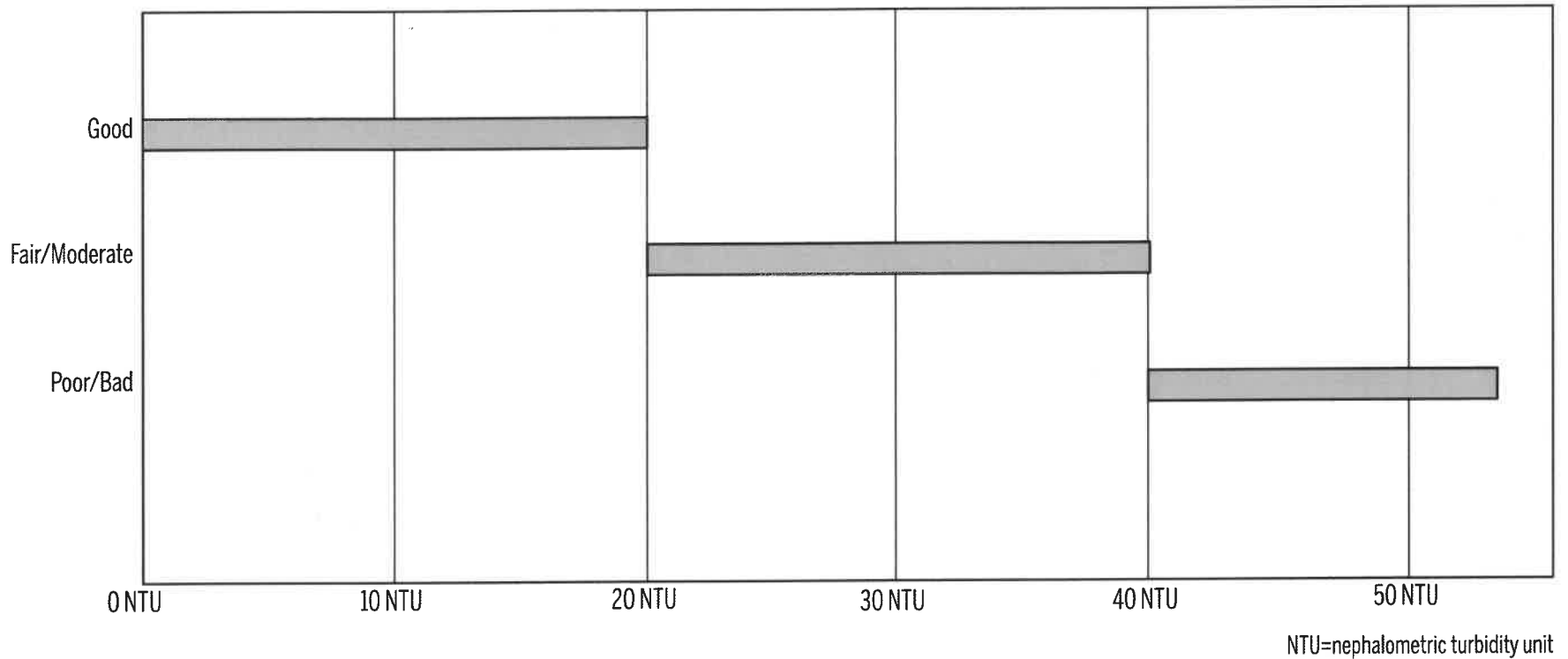
Optimum Temperature Limits for Aquatic Organisms

Compiled from Stream Scene, Streamkeepers Field Guide, DEQ Administrative Rules, Aquatic Project Wild, Investigating our Ecosystem



Water Quality

OPTIMUM TURBIDITY LEVELS FOR AQUATIC ORGANISMS



Standards:

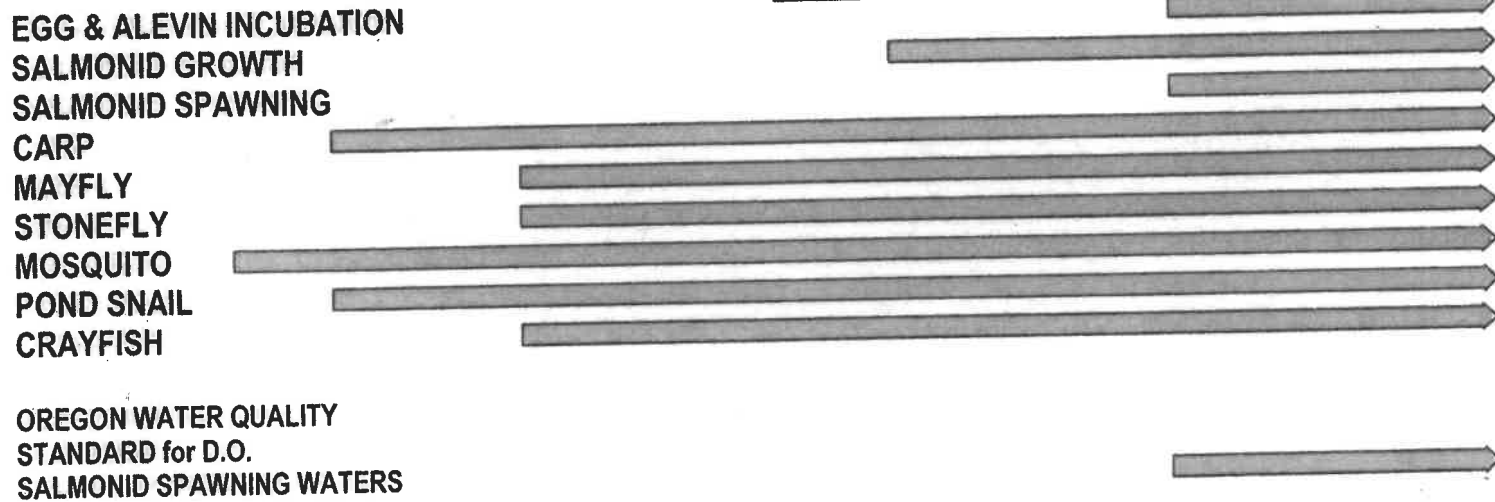
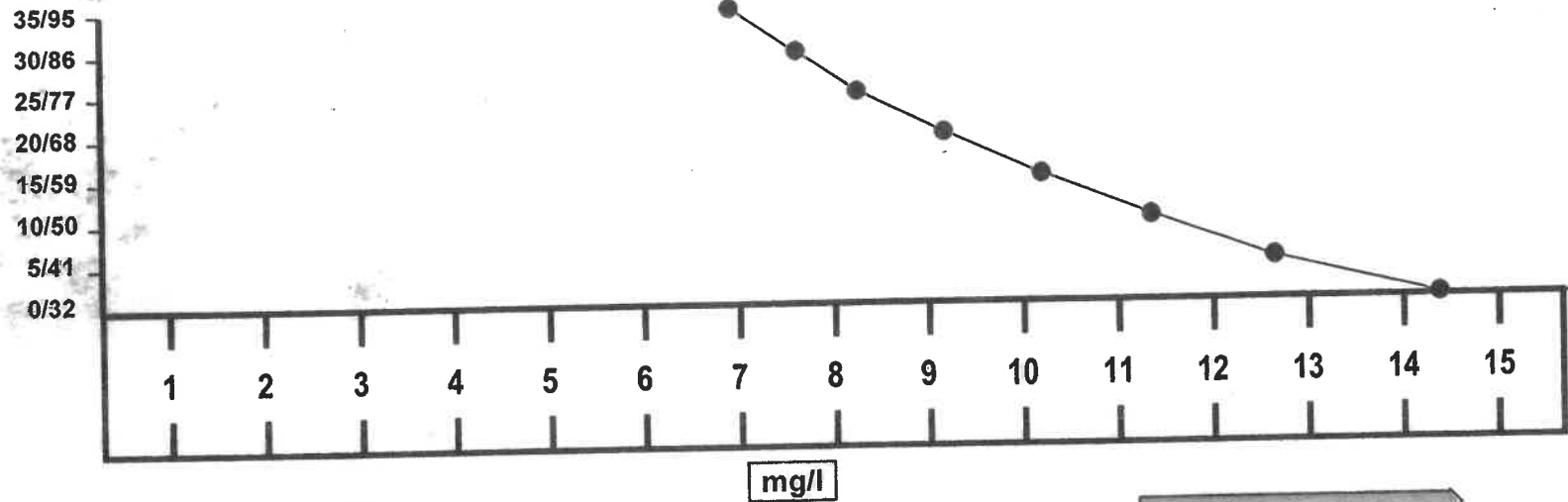
10 NTU: Level not to be exceeded for coldwater fisheries per state/federal water quality standards

50 NTU: Turbidity level which interferes with site feeding; level not to be exceeded in a type of river/stream per State/Federal water quality standards

Compiled from information regarding water quality from the Oregon Department of Environmental Quality and the US Environmental Protection Agency.

°C / °F

MAXIMUM DISSOLVED OXYGEN CONCENTRATION AT VARIOUS TEMPERATURES



OPTIMUM DISSOLVED OXYGEN LIMITS FOR AQUATIC ORGANISMS

Compiled from Streamkeepers Field Guide, DEQ Administrative Rules, Aquatic Project WILD, Stream Scene, Investigating Our Ecosystem.