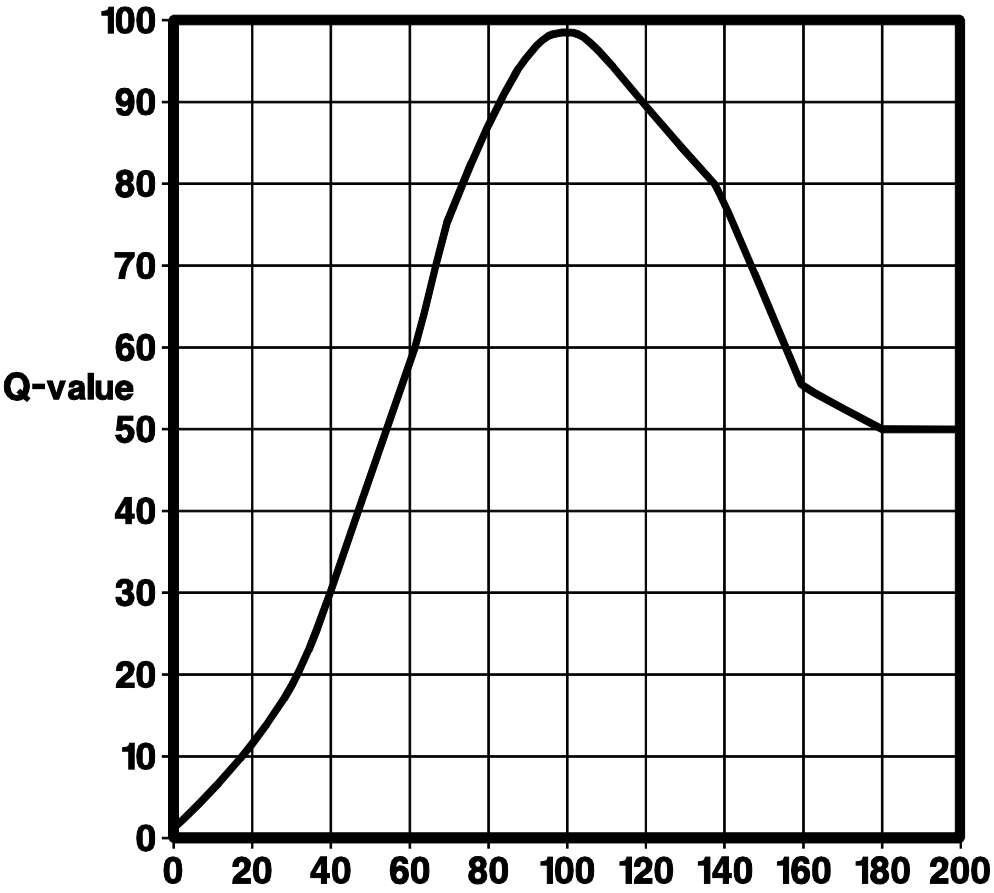
Appendix C

Water Quality Indices Charts

Weighting Curve Charts

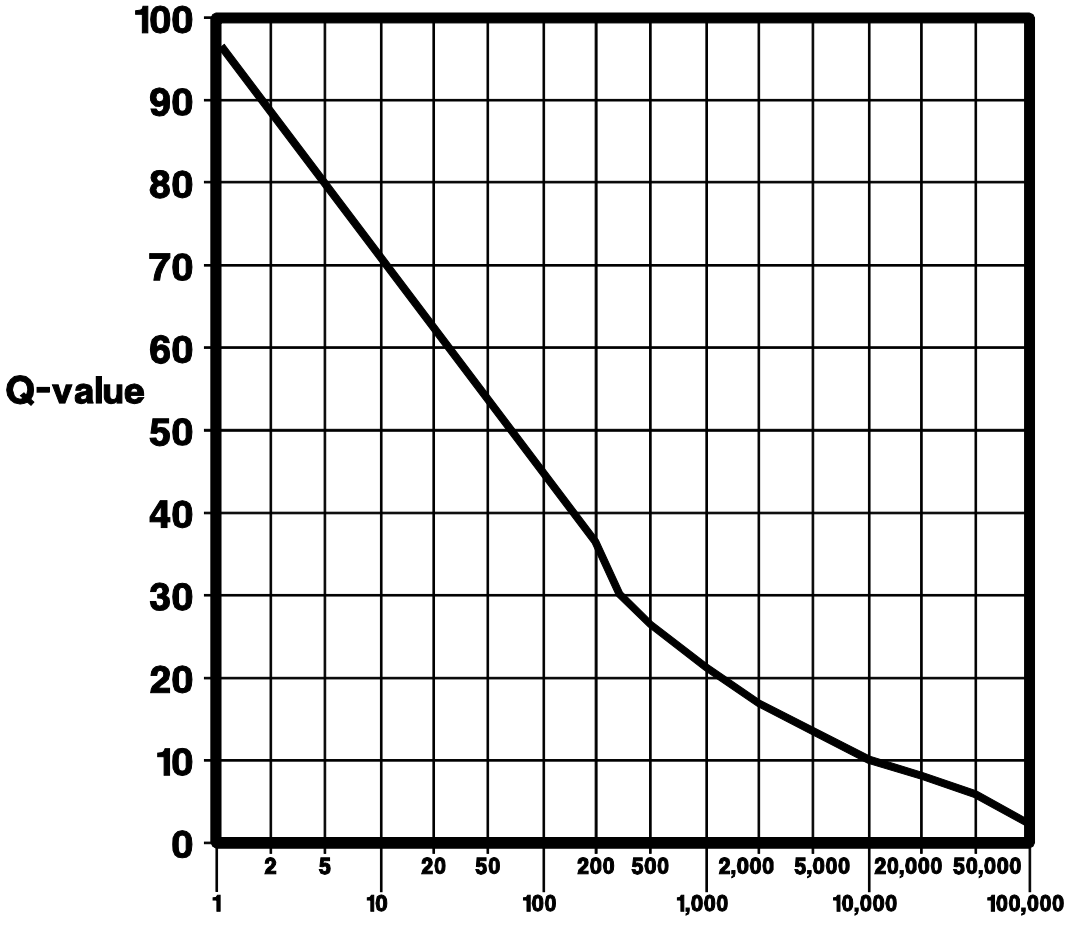
Chart 1: Dissolved Oxygen (DO) Test Results



DO: % saturation

Note: if DO % saturation > 160.0, Q = 50.0

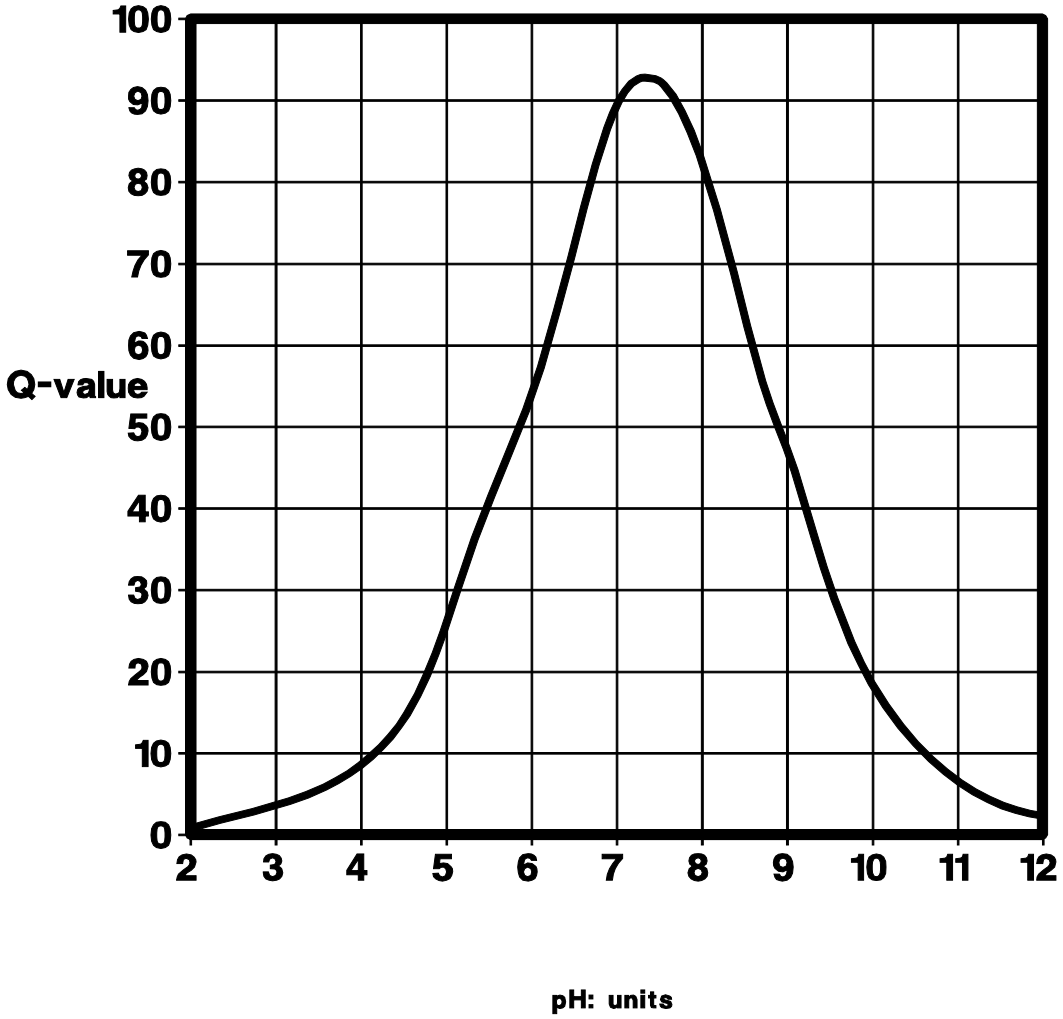
Chart 2: Fecal Coliform (FC) Test Results



FC: colonies/100 mL

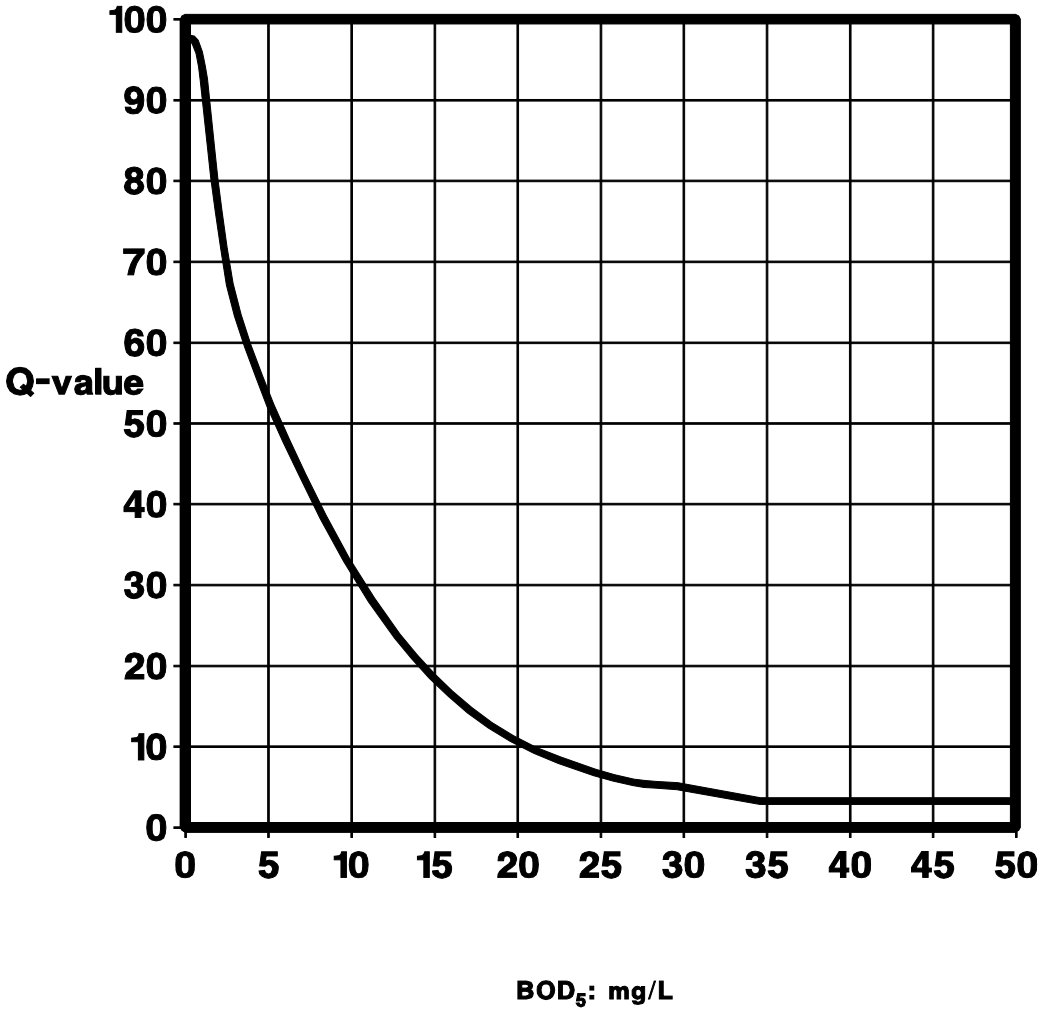
Note: if FC > 10^5, Q = 2.0

Chart 3: pH Test Results



Note: if pH < 2, Q = 0.0; if pH > 12.0, Q = 0.0

Chart 4: 5-Day Biochemical Oxygen Demand (BOD) Test Results



Note: if BOD_5 > 30.0, Q = 2.0

Chart 5: Change in Temperature (△T, °C) Test Results

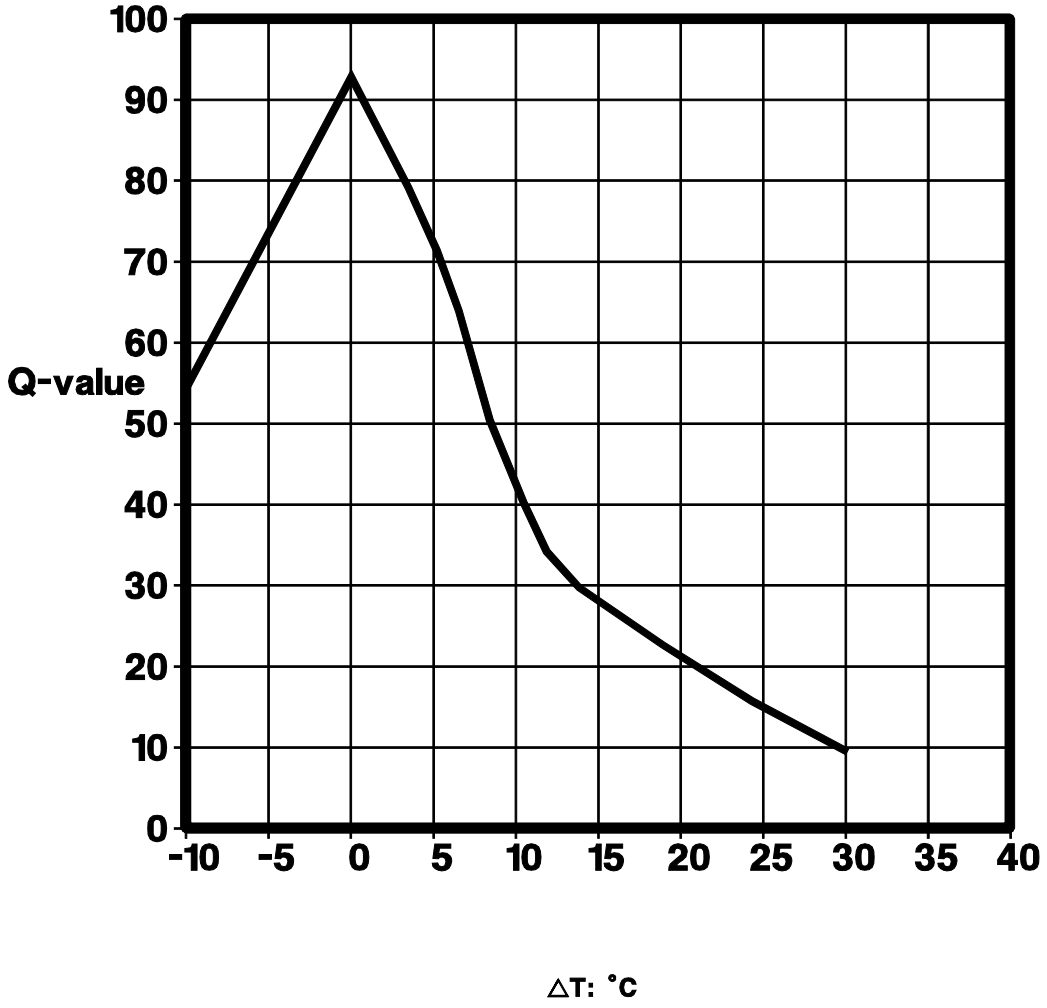
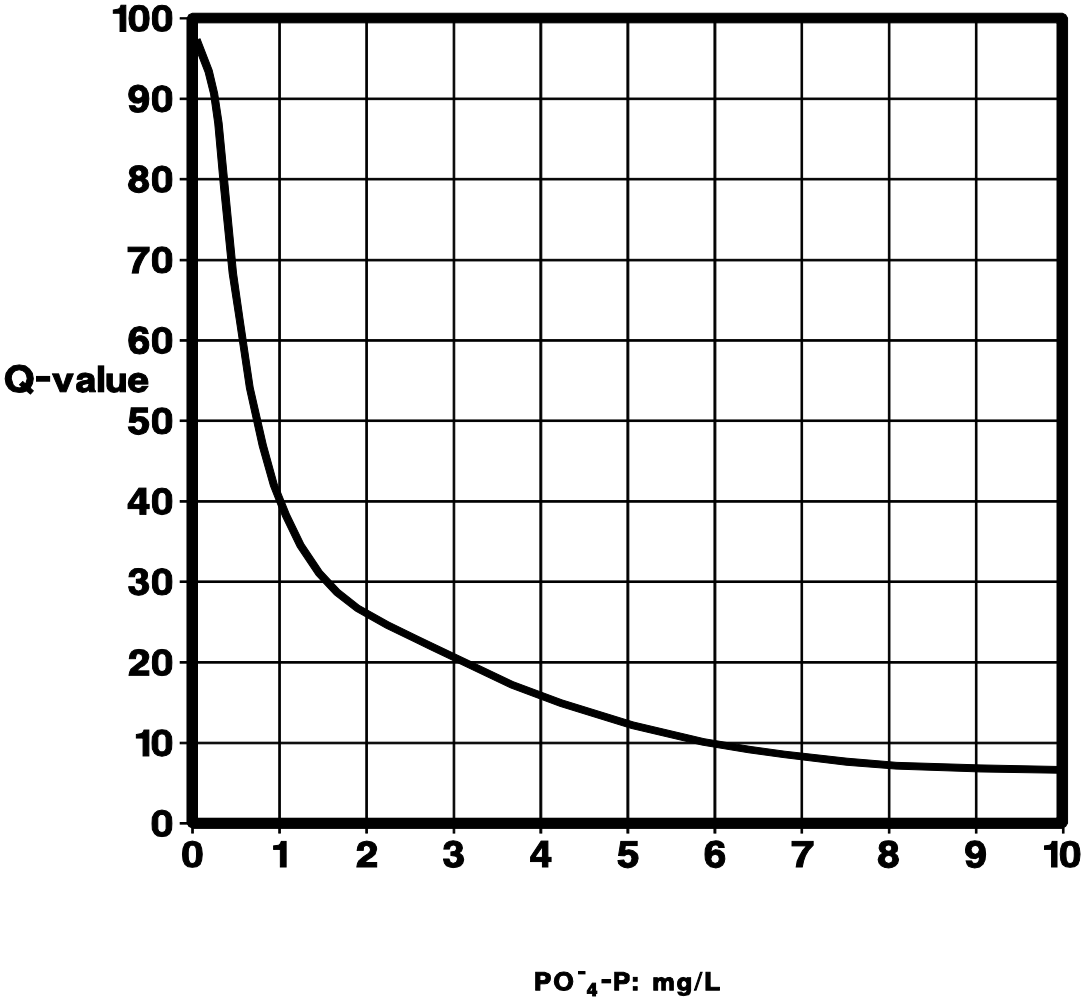
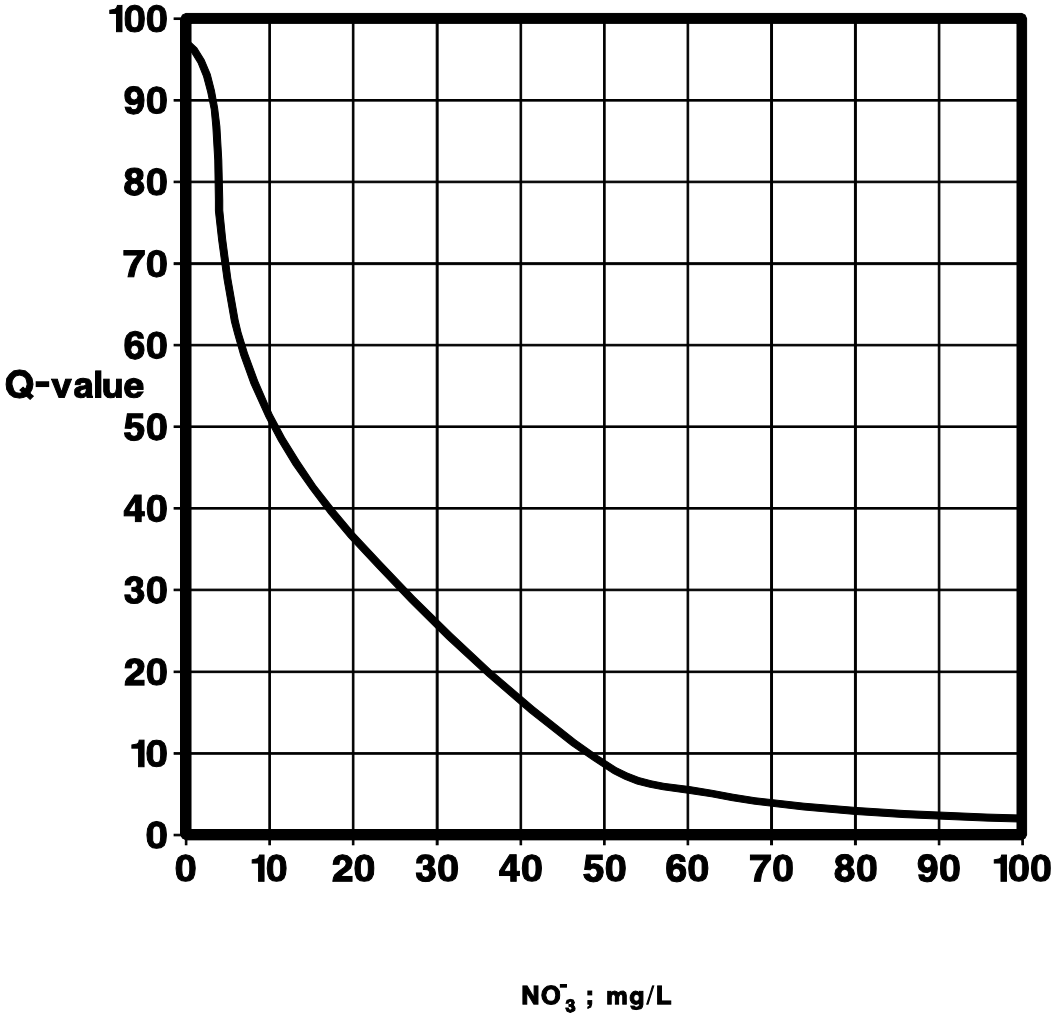


Chart 6: Total Phosphate (as PO_4^--P) Test Results



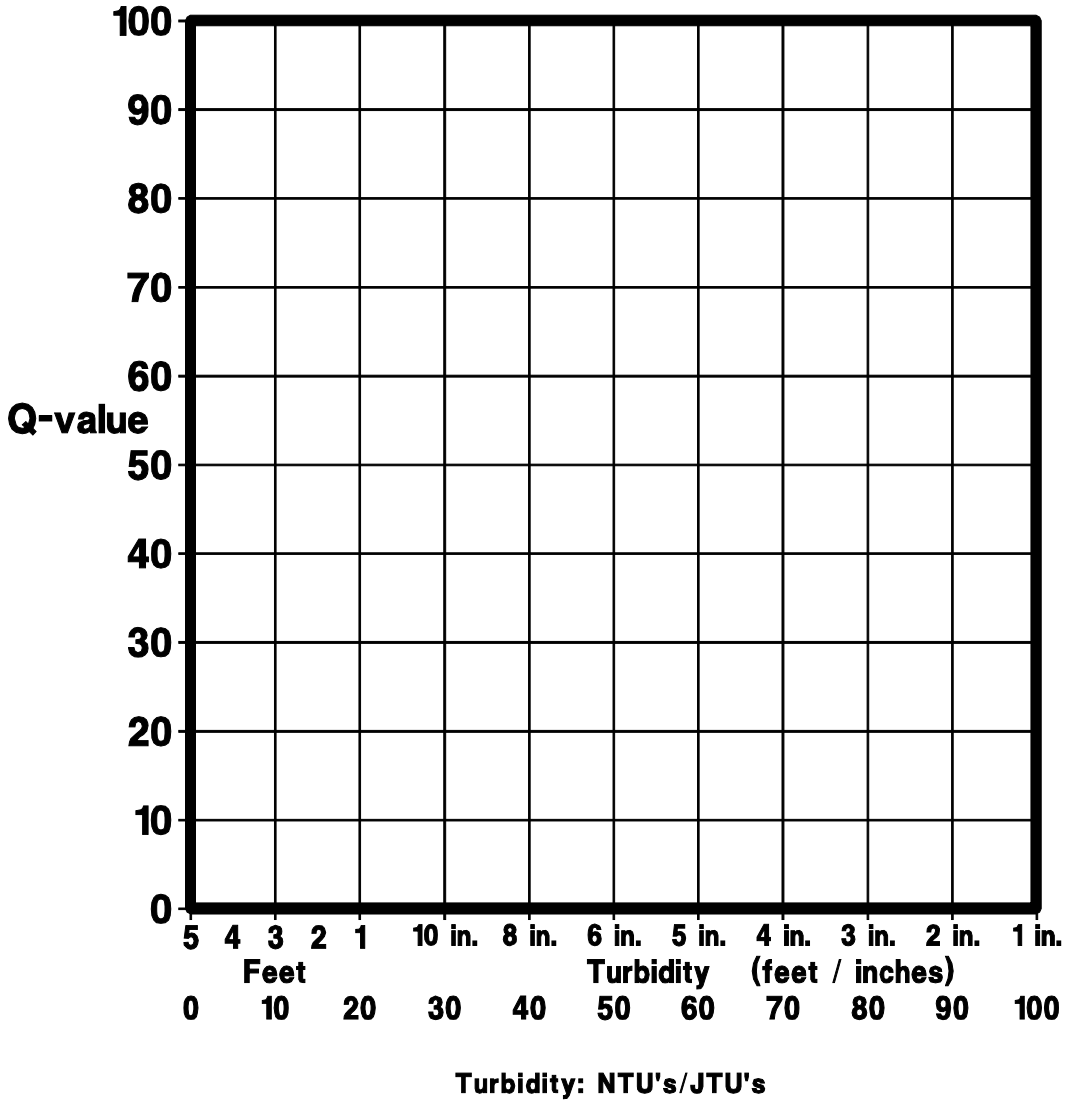
Note: if PO_4^--P > 10.0, Q = 2.0

Chart 7: Nitrate (as NO_3^-) Test Results



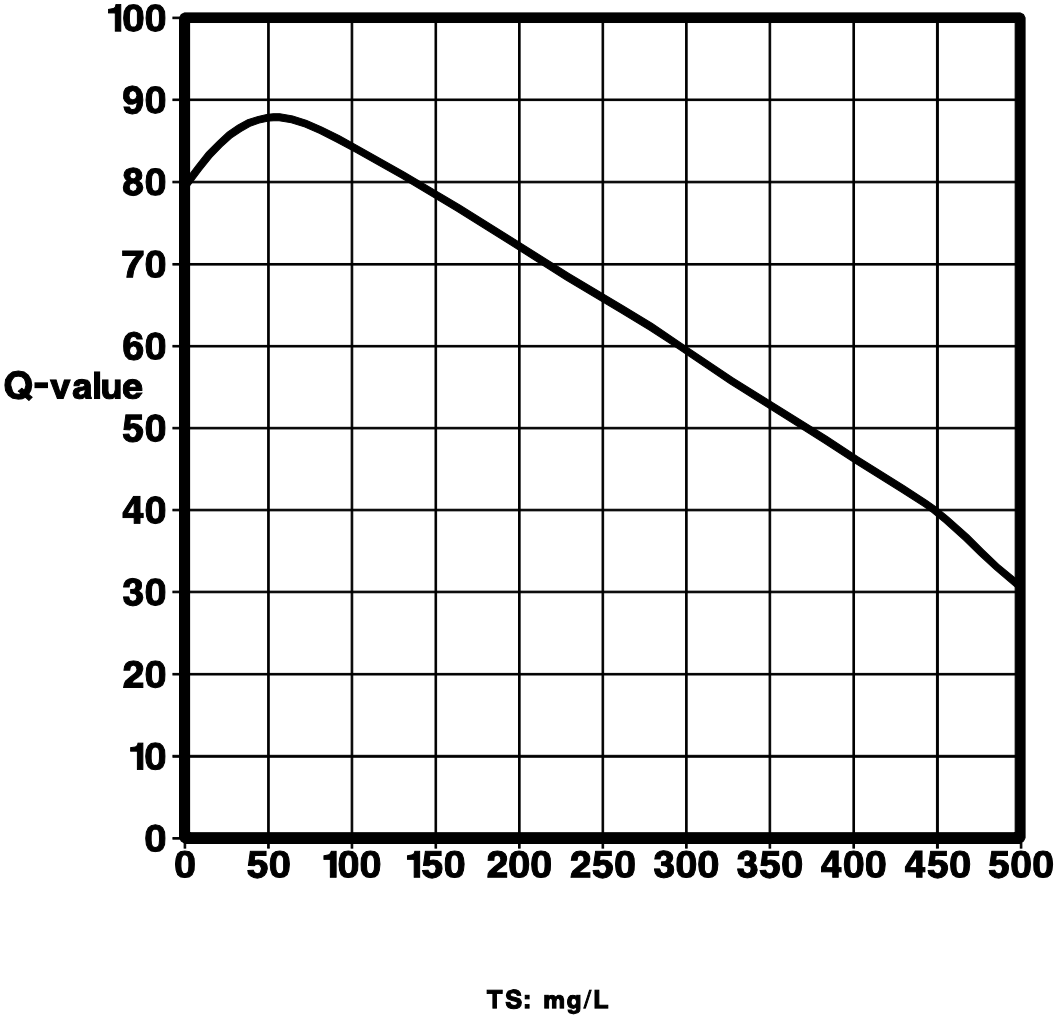
Note: if $NO_3^- > 100.0$, Q = 1.0

Chart 8: Turbidity Test Results



Note: if Turbidity > 100.0, Q = 5.0

Chart 9: Total Solids (TS) Test Results



Note: if TS > 500.0, Q = 20.0

Charts modified from:

Mitchell, M. and W. Stapp (2000) Field Manual for Water Quality Monitoring: An Environmental Education Program for Schools, 12th Edition, Kendall/Hunt Publishing Company, Dubuque, IA.

Rabe, F. and J. White (1992) Idaho Streamwalk: A program for people interested in learning more about their streams and rivers, Idaho Water Resources Research Institute, University of Idaho, Moscow, ID.