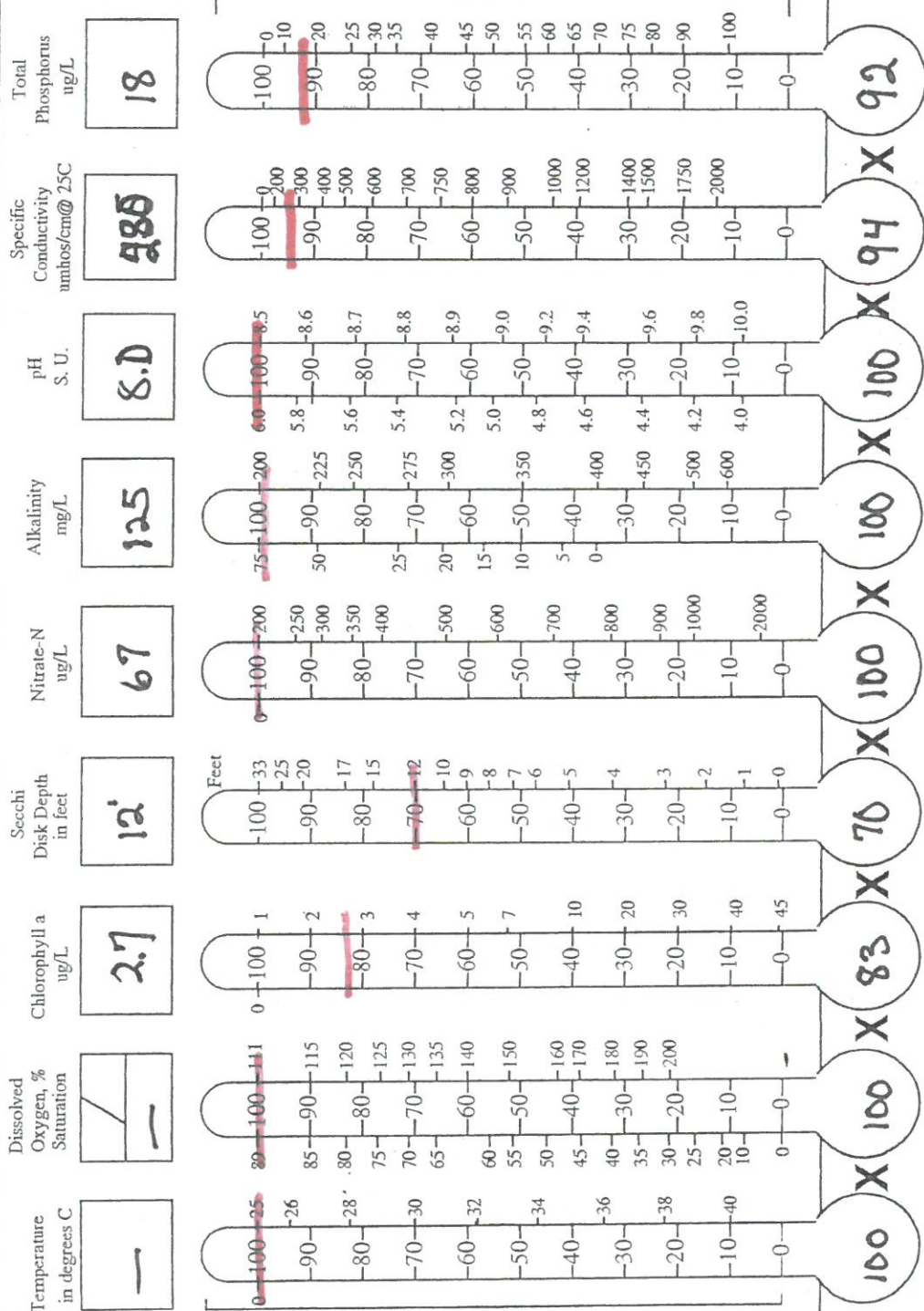


# CALCULATION SHEET FOR THE UNWEIGHTED MULTIPLICATIVE LAKE WATER QUALITY INDEX

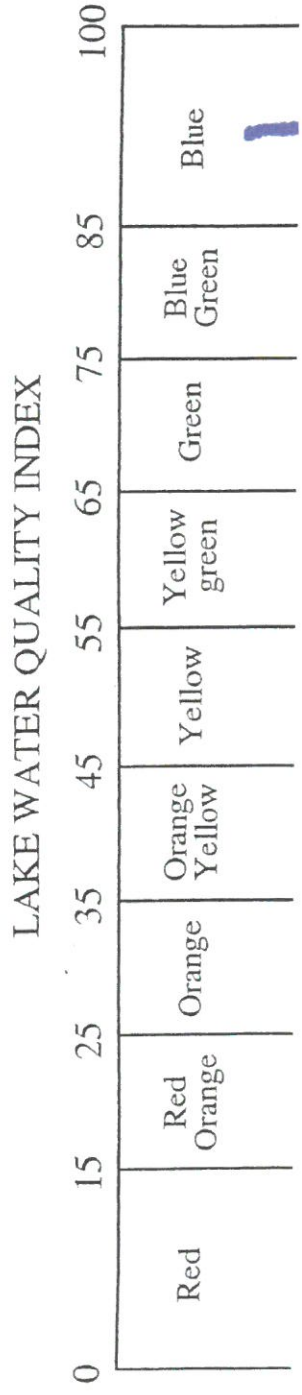
Watershed to lake ratio: 397 to 1  
 Flushing rate: once a week  
 Drainage Basin: Huron  
 Drainage Area: 49024  
 Lake Volume: 671  
 County: Livingston & Washtenaw  
 Township: Putnam & Dexter  
 Analyst: WAT  
 Lake Depth: 12'  
 Lake Area: 122  
 LWQI: \_\_\_\_\_



100 X 100 X 83 X 70 X 100 X 94 X 92 = 93  
 (Individual Quality Ratings never exceed 100)

SET THE PARAMETER QUALITY RATING AT 1 IF THE EXTERNAL EXTREME VALUE RANGE IS EXCEEDED

DATE 29 April 2010  
 STATION AVE 1-3  
 LAKE Hiland

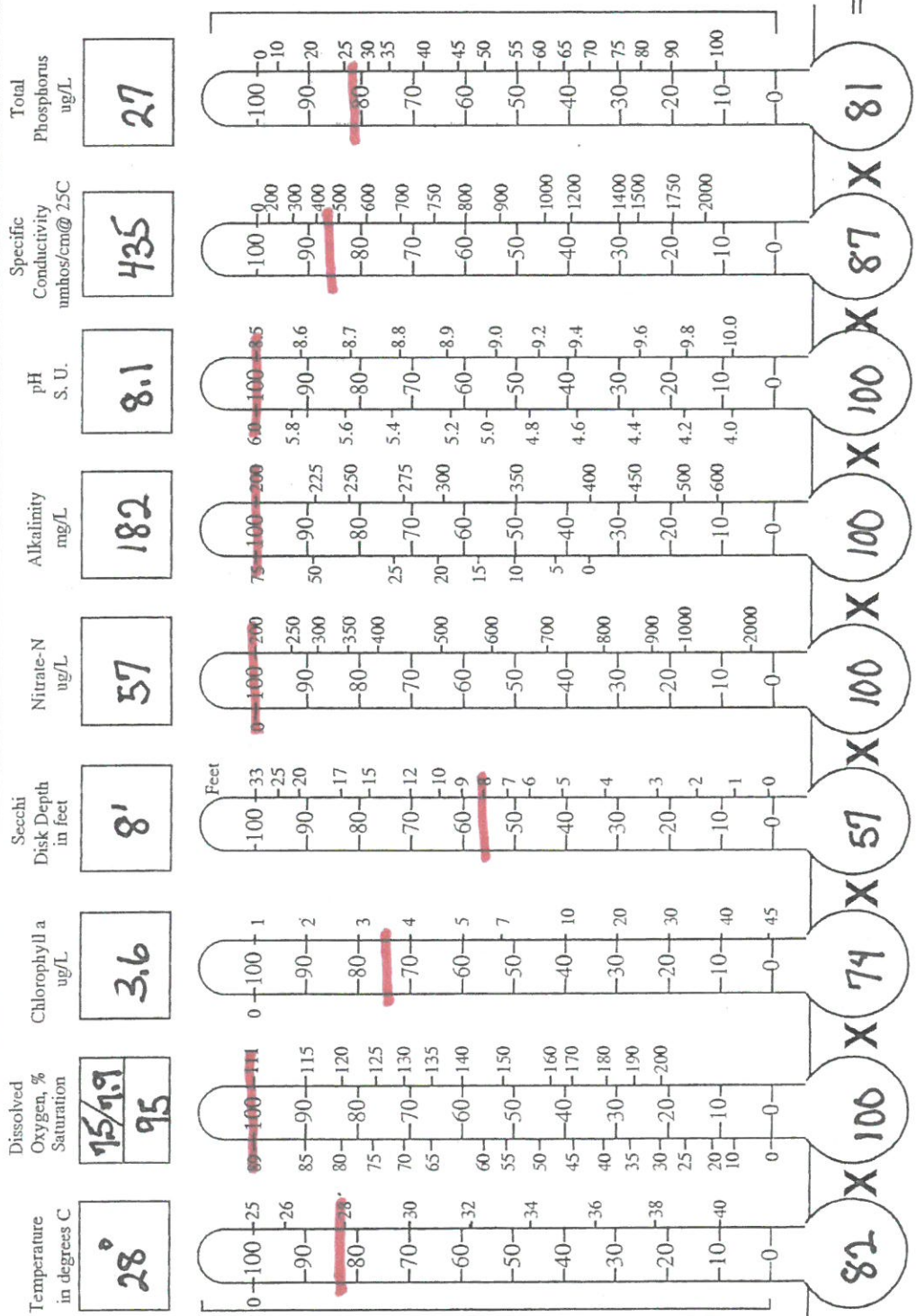


# CALCULATION SHEET FOR THE UNWEIGHTED MULTIPLICATIVE LAKE WATER QUALITY INDEX

Temperature in degrees C: 28°  
 Dissolved Oxygen, % Saturation: 15/19.9  
 Chlorophyll a ug/L: 3.6  
 Secchi Disk Depth in feet: 8'  
 Nitrate-N ug/L: 57  
 Alkalinity mg/L: 182  
 pH S. U.: 8.1  
 Specific Conductivity umhos/cm@ 25C: 435  
 Total Phosphorus ug/L: 27  
 Flushing rate: 397 to 1  
 Watershed to lake ratio: once a week

Drainage Basin: Huron  
 Drainage Area: 490.24  
 Lake Volume: 671  
 County: Livingston & Washtenaw  
 Township: Putnam & Dexter  
 Analyst: WQI  
 Lake Depth: 12'  
 Lake Area: 122

LWQI = **85**



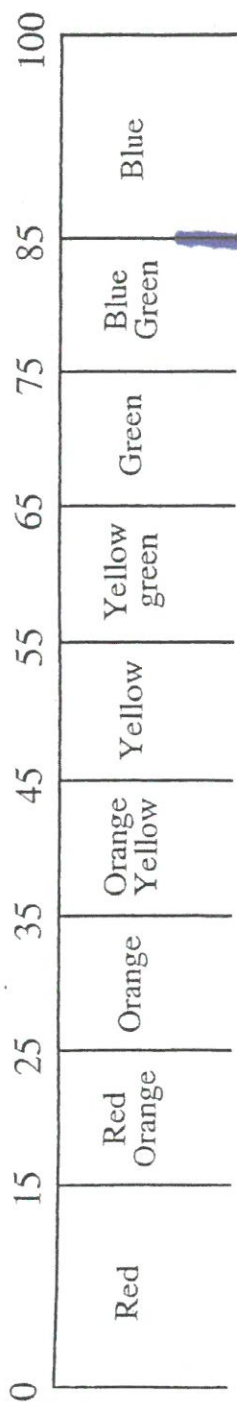
W. Fusilier, Ph.D.

QUALITY RATING CURVES  
 (Individual Quality Ratings never exceed 100)

SET THE PARAMETER QUALITY RATING AT 1 IF THE EXTERNAL EXTREME VALUE RANGE IS EXCEEDED

## LAKE WATER QUALITY INDEX

DATE 2 August 2010



STATION AVE 1-3  
 LAKE Hiland