



September 17, 2013

Office of Water Quality Water-Quality Information Note 2013.08

Subject: Revision and publication of Chapter A6, Section 6.2 “Dissolved Oxygen,” of the *National Field Manual for the Collection of Water-Quality Samples*

This note announces the publication of version 3.0 of Section 6.2 of the National Field Manual (NFM), which provides USGS guidelines and protocols for the in-situ measurement of dissolved-oxygen (DO) concentration in surface water and groundwater.

Version 3.0 of the NFM chapter on DO (NFM 6.2) incorporates the changes that were made to the method for computing dissolved-oxygen solubility as described in Water-Quality Technical Memorandum 2011.03 (<http://water.usgs.gov/admin/memo/QW/qw11.03.pdf>) and as implemented in version 3 of DOTABLES, <http://water.usgs.gov/software/DOTABLES/>.^{*} In addition, version 3.0 of NFM 6.2 includes revised guidance for the use and calibration of luminescence (optical) sensors as well as updated information for determining DO concentration using spectrophotometric methods.

Chapters of the NFM are available online as PDF files. Links to Chapter A6, section 6.2, are accessed through the Water-Quality Information public or internal pages and opening the National Field Manual, or by going directly to http://water.usgs.gov/owq/FieldManual/Chapter6/6.2_contents.html and clicking on “6.2, Version 3.0.”

WaQI Notes are archived on the OWQ web site,
<http://water.usgs.gov/usgs/owq/WaQI/index.html>

Signed,

The Office of Water Quality
09/17/2013

Distribution: All WMA Employees

^{*}DOTABLES is an online program that generates tables of DO solubility values and (or) salinity correction factors over a range of user-specified values for water temperature, barometric pressure, and salinity or specific conductance.