OWQ WaQI Note

March 7, 2008

Office of Water Quality Water-Quality Information Note 2008.09

Subject: Field Methods— Release of Personal Computer Field Forms (PCFF) 6.1c update

The purpose of this Note is to announce the release of version 6.1c (02/01/2008) of the Personal Computer Field Forms (PCFF) software. This is an update to PCFF version 6.1.

The PCFF 6.1c update and the PCFF 6.1 software, as well as a new "Quick Start Guide" are available at http://water.usgs.gov/usgs/owq/pcff.html.

This update includes the following fixes and enhancements:

PCFF version 6.1c (2/01/2008)

NOTE: PCFF 6.1c REQUIRES NWIS 4.7 with the January 2008 quarterly coding update to work properly!
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KNOWN ISSUES:

Help file will sometimes fail to launch if called from within PCFF. When clicking the help button located on a form, a message indicating that the help file cannot be found is sometimes displayed. The only known fix is to close PCFF and reopen it - the help file should launch normally when pressing the help buttons.

Lot Number items that don't have an expiration date filled in will not be listed in the favorites list view.   A work around is to include an expiration date, even if the item doesn't have an expiration date.
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Changes since the 6.1b (10/04/2007) Release:

Fixed a bug in the "print all forms" routines which would print the final values, but none of the values used to calculate the final values of a sample.

Fixed a bug in the "print all forms" routines that caused bottle types, and sometimes lab codes and schedules, to not be printed.

Fixed a bug in the SW (aquacalc tools) section that caused the site list to be empty if an aquacalc measurement was parsed.

Added the "calculated pump period" for a GW QW well purge to the GWQW Field Note Sheet.

Added the ability to sort on the columns (ascending/descending) in the qwcontrol form. This sorting is done by clicking the column header.

On the qwcontrol form, clicking on the '+' next to a sample will open up and display the ASRs and subsamples.

The field ID field was changed so that it can be modified with the sample and isn't fixed to the value in the site table.

Added menus to both SWQW and GWQW editor forms to give people another way to save, update, cancel, and access the helpfile. The layout of the buttons was changed to better accommodate the new "FieldID" field.

NWIS 01/08 Quarterly coding update added the following to PCFF:

Alkalinity Parameter/Method Codes
Code   Method   Description

HACH DIGITAL TITRATOR:

FILTERED IPT METHODS:
00453 (Bicarbonate)   SSM01   Inflection-point titration method (incremental titration method), Hach digital titrator, Simple Mass-Balance Speciation Method
00453 (Bicarbonate)   ASM01   Inflection-point titration method (incremental titration method), Hach digital titrator, Advanced Speciation Method
00452 (Carbonate)   SSM01   Inflection-point titration method (incremental titration method), Hach digital titrator, Simple Mass-Balance Speciation Method
00452 (Carbonate)   ASM01   Inflection-point titration method (incremental titration method), Hach digital titrator, Advanced Speciation Method

UNFILTERED IPT METHODS:
00450 (Bicarbonate)   SSM09   Inflection-point titration method (incremental titration method), Hach digital titrator, Simple Mass-Balance Speciation Method
00450 (Bicarbonate)   ASM09   Inflection-point titration method (incremental titration method), Hach digital titrator, Advanced Speciation Method
00447 (Carbonate)   SSM09   Inflection-point titration method (incremental titration method), Hach digital titrator, Simple Mass-Balance Speciation Method
00447 (Carbonate)   ASM09   Inflection-point titration method (incremental titration method), Hach digital titrator, Advanced Speciation Method

FILTERED GRAN METHODS:
63786 (Bicarbonate)   SSM03   Gran titration, Hach digital titrator, Simple Mass-Balance Speciation Method
63786 (Bicarbonate)   ASM03   Gran titration, Hach digital titrator, Advanced Speciation Method
63788 (Carbonate)   SSM03   Gran titration, Hach digital titrator, Simple Mass-Balance Speciation Method
63788 (Carbonate)   ASM03   Gran titration, Hach digital titrator, Advanced Speciation Method

UNFILTERED GRAN METHODS:
29797 (Bicarbonate)   SSM11   Inflection-point titration method (incremental titration method), Hach digital titrator, Simple Mass-Balance Speciation Method
29797 (Bicarbonate)   ASM11   Inflection-point titration method (incremental titration method), Hach digital titrator, Advanced Speciation Method
29798 (Carbonate)   SSM11   Inflection-point titration method (incremental titration method), Hach digital titrator, Simple Mass-Balance Speciation Method
29798 (Carbonate)   ASM11   Inflection-point titration method (incremental titration method), Hach digital titrator, Advanced Speciation Method

BURET TITRATOR:

FILTERED IPT METHODS:
00453 (Bicarbonate)   SSM02   Inflection-point titration method (incremental titration method), buret titrator, Simple Mass-Balance Speciation Method
00453 (Bicarbonate)   ASM02   Inflection-point titration method (incremental titration method), buret titrator, Advanced Speciation Method
00452 (Carbonate)   SSM02   Inflection-point titration method (incremental titration method), buret titrator, Simple Mass-Balance Speciation Method
00452 (Carbonate)   ASM02   Inflection-point titration method (incremental titration method), buret titrator, Advanced Speciation Method

UNFILTERED IPT METHODS:
00450 (Bicarbonate) SSM10   Inflection-point titration method (incremental titration method), buret titrator, Simple Mass-Balance Speciation Method
00450 (Bicarbonate) ASM10   Inflection-point titration method (incremental titration method), buret titrator, Advanced Speciation Method
00447 (Carbonate)   SSM10   Inflection-point titration method (incremental titration method), buret titrator, Simple Mass-Balance Speciation Method
00447 (Carbonate)   ASM10   Inflection-point titration method (incremental titration method), buret titrator, Advanced Speciation Method

FILTERED GRAN METHODS:
63786 (Bicarbonate) SSM04   Gran titration, buret titrator, Simple Mass-Balance Speciation Method
63786 (Bicarbonate) ASM04   Gran titration, buret titrator, Advanced Speciation Method
63788 (Carbonate)   SSM04   Gran titration, buret titrator, Simple Mass-Balance Speciation Method
63788 (Carbonate)   ASM04   Gran titration, buret titrator, Advanced Speciation Method

UNFILTERED GRAN METHODS:
29797 (Bicarbonate) SSM12   Inflection-point titration method (incremental titration method), buret titrator, Simple Mass-Balance Speciation Method
29797 (Bicarbonate) ASM12   Inflection-point titration method (incremental titration method), buret titrator, Advanced Speciation Method
29798 (Carbonate)   SSM12   Inflection-point titration method (incremental titration method), buret titrator, Simple Mass-Balance Speciation Method
29798 (Carbonate)   ASM12   Inflection-point titration method (incremental titration method), buret titrator, Advanced Speciation Method

ADDED ANALYZING/COLLECTION AGENCY CODES:

Code	Description
ASTM	American Society for Testing and Materials International
CA-SSWD	Sacramento Suburban Water District, Sacramento, CA
CA-TATC	TestAmerica Analytical Testing Corporation, Colton, CA
CO-QES	Quanterra Environmental Services, Arvada, CO
CO-TATC	TestAmerica Analytical Testing Corporation, Arvada, CO
ISO	International Organization for Standardization
NC-NCIM	University of North Carolina, Inst of Marine Sciences Chapel Hill
MN-NRRI	Natural Resources Research Institute, Duluth, MN
PA-DEP	Pennsylvania Department of Environmental Protection
STDMETH	Standard Methods Committee that approves methods included in Standard Methods
VA-FCES	Fairfax County Environmental Services Laboratory, Lorton VA

The PCFF 6.1c update and the PCFF 6.1 software and can be obtained from http://water.usgs.gov/usgs/owg/pcff.html.

Instructions for installing the PCFF 6.1c update are attached and are available on the PCFF website.

Questions about the software and this update should be referred to Frank Crenshaw (fccrensh@usgs.gov).

If this Note was forwarded to you and you'd like to have your name placed on the WaQI Notes distribution, please send email to nlsnow@usgs.gov.

WaQI Notes are archived on the Office of Water Quality web site, http://water.usgs.gov/usgs/owg/WaQI/index.html