



July 24, 2013

Office of Water Quality Water-Quality Information Note 2013.07

Subject: Spike Calculator Updated for Use with NWIS 5.1

The NWIS Spike Recovery Calculator Tool announced in WaQI Notes 2009.09 (<http://water.usgs.gov/usgs/owq/WaQI/WaQI09.09.pdf>) and 2010.06 (<http://water.usgs.gov/usgs/owq/WaQI/WaQIspikecal10.06.pdf>) did not function when NWIS was upgraded to NWIS 5.0. The Spike Calculator was recently updated for use with NWIS 5.1 by David Uselmann of the Office of Water Information's Center for Integrated Data Analytics (CIDA). The Spike Calculator is available at <http://internal.cida.usgs.gov/spikecalculator/> and also can be accessed through the internal Office of Water Quality (OWQ) web page under "Software and Scripts" (<http://water.usgs.gov/usgs/owq/>).

The Spike Calculator is designed to be used for water samples that have been spiked with solutions provided by the National Water Quality Laboratory (NWQL) and have been analyzed by NWQL. The tool reads QWDATA record number pairs for a local or remote NWIS database and produces a variety of output files of calculated recovery. Data reviewers are encouraged to use the tool to (1) assess recovery and (2) ensure that all codes and data necessary to calculate recovery have been stored in the QWDATA sample records.

CIDA will be providing technical support for the calculator. Questions, comments, or technical-support issues should be addressed to the Bison email group GS-Spike-Rec-Support.

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

Signed,

The Office of Water Quality

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Distribution: All WMA Employees