US Army Corps
of Engineers
Hydrologic Engineering Center

HEC-SSP

Statistical Software Package

Bulletin 17 Plot for Tocks_Island_B17C
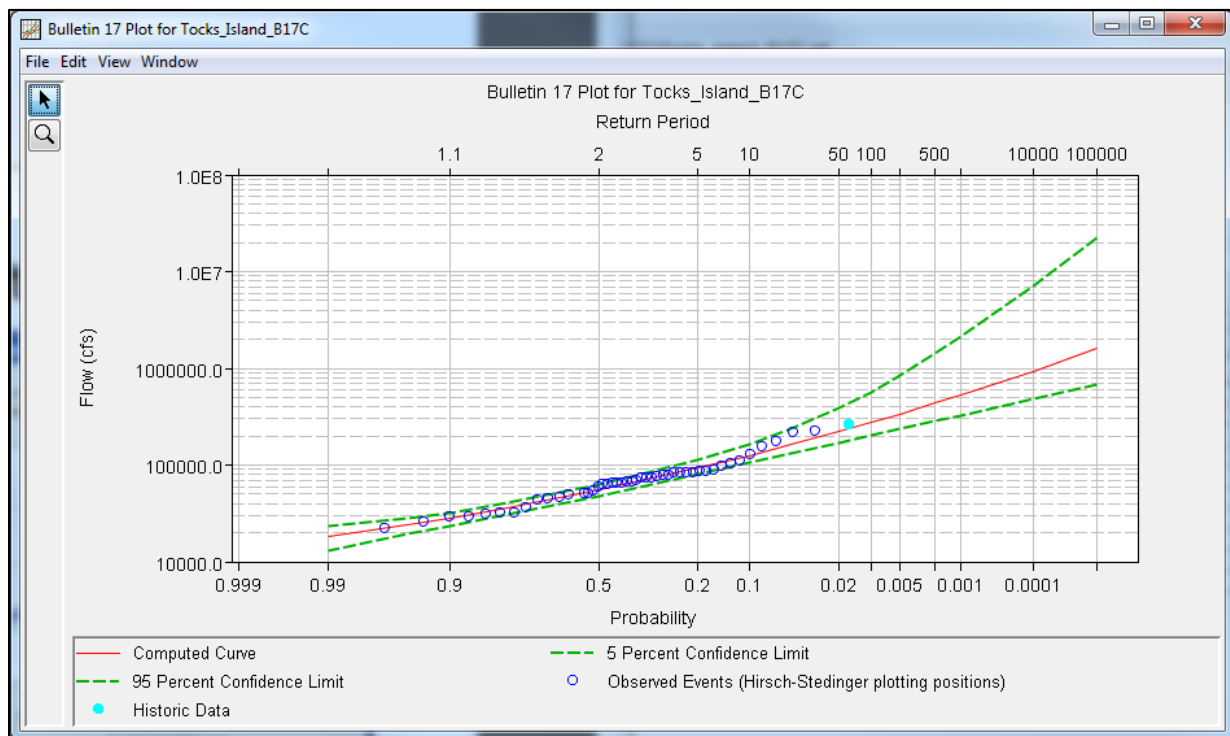
Release Notes

Version 2.1.1

June 2017

Statistical Software Package, HEC-SSP, User's Manual

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Use of the software described by this document is controlled by certain terms and conditions. The user must acknowledge and agree to be bound by the terms and conditions of usage before the software can be installed or used.

HEC cannot provide technical support for this software to non-Corps users. Downloading this software indicates full acceptance of your responsibility in the use of this program. Please see the distribution policy for more details.

Introduction

The first official version of HEC-SSP (Version 1.0) was released in August of 2008. Version 1.1 was released in April, 2009 and included improvements to data entry, results visualization and reporting, and added capability to the volume frequency analysis. Version 2.0 was released in October 2010 and included three new analyses: a duration analysis, a coincident frequency analysis, and a curve combination analysis. Version 2.1, released in July 2016, included improvements to the volume frequency analysis, general frequency analysis, and Bulletin 17B (Interagency Advisory Committee on Water Data, 1982) flow frequency analysis in addition to two new analyses: Bulletin 17C (England, et al., 2015) flow frequency using the Expected Moments Algorithm and a Balanced Hydrograph analysis. These new features are discussed in the User's Manual for Version 2.1. Version 2.1.1 contains fixes related to accessing and importing data from the United States Geological Survey (USGS).

Installation

The installation program and all documentation are available on the HEC web site at http://www.hec.usace.army.mil/. This new release is installed independently of any previous versions of the program so you will need to remove Version 1.0, 1.1, 2.0, or 2.1 if you do not want to use these versions anymore. However, you may keep different versions of the program installed for parallel use or testing if you choose to do so. This new version will automatically open projects developed with any previous version of the program. However, once a project has been opened in Version 2.1.1, it may not be possible to open it with older versions of the program.

The new installation package is designed to be easy to use. It will take you through the steps of selecting a directory for the program files and making other settings. Use the following steps to install the program on the Microsoft Windows® operating system:

1. Download the installation package from the HEC website to a temporary folder on the computer. If the software was provided to you on a CD-ROM or other media, insert it in the appropriate drive.
2. Run the installation program. In Windows Explorer, double-click the icon for the installation program. You must have administrator privileges to run the installer.
3. Follow the on-screen prompts to install the program.

New Capabilities

No new capabilities were added within Version 2.1.1.

Documentation

The Statistical Software Package HEC-SSP: User's Manual contains extensive information on installing and using the program. Details on the use of each feature and capabilities in the program are included. The manual was updated with information describing new features added to the program for the Version 2.1 release. No changes were made for the Version 2.1.1 release.

Bug Fixes

The development team continues to test the software and respond to program errors even after a new release is made. The team repaired a major issue related to the USSG Website Data Import tool that occurred after the release of Version 2.1. Specifically, USGS websites transitioned to a secure and encrypted HTTPS protocol during December 2016. When that happened, the plugin that was used by Version 2.1 to access and download data from USGS websites stopped working correctly.

A new USGS plugin file has been included within Version 2.1.1. This updated plugin allows users to access and download data from the USGS websites once again. This issue has also been documented on the HEC-SSP Known Issues webpage. Instructions are provided for users wishing to update their Version 2.1 installation, if desired, by clicking [here](#).

We apologize for any inconvenience this has caused. The development team is in the process of updating the USGS plugin to allow for a more customizable and practical experience. Future versions of HEC-SSP will incorporate these enhancements.

While HEC does not provide technical support for this software to non-Corps users, we will respond to all documented instances of program errors. If you encounter a problem, then please take the time to send us a bug report. The report must be written and should be submitted directly to the HEC-SSP team at: hec.ssp@usace.army.mil. The bug report should include the following information:

1. Contact Information: Name, Phone, and E-mail address.
2. What version of the software are you using?
3. What operating system are you using?
4. An explanation of the problem.
5. If the problem is reproducible, please list the steps required to cause it. (Example: "1. Create a new file. 2. Insert some text ...")
6. If the problem is not reproducible (only happened once, or occasionally for no apparent reason) please describe the circumstances in which it occurred and the symptoms observed (note: it is much harder for us to diagnose and fix non-reproducible bugs).
7. If the problem causes any error messages to appear, please write down the exact text displayed.

Note: Please attach your data files if possible. This will assist in debugging the problem. If you have any suggestions or ideas for enhancing HEC-SSP, please e-mail your suggestions to hec.ssp@usace.army.mil.

Thank you for using HEC-SSP!