



Natural Resources Conservation Service  
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**Date:** November 24, 2008

### **Pacific Islands Area FOTG Notice PI-18**

#### **SUBJECT: SECTION II – HOW TO ACCESS NRCS SOIL SURVEY MAPS AND RAINFALL FREQUENCY AND DISTRIBUTIONS FOR SELECTED PACIFIC ISLANDS**

This notice releases the document entitled “How to Access NRCS Soil Survey Maps.” The document explains the options available to access and view soil maps including: local NRCS network servers, Soil Data Mart, Web Soil Survey, archived on-line soil surveys, and published soil survey manuscripts.

This notice also announces the inclusion of Engineering Hydrology Technical Note No.: 210-3 – Rainfall-Frequency and Design Rainfall Distributions for Selected Pacific Islands in section II-B. (Climatic Data) of the FOTG/eFOTG. The Technical Note addresses rainfall-frequency and design rainfall distributions for the Territory of Guam, the Commonwealth of the Northern Mariana Islands, the Republic of Palau, the Republic of the Marshall Islands, Wake Island, the Federated States of Micronesia, and the Territory of American Samoa. Historic rainfall data measured on the islands were compiled, screened, and analyzed to provide estimates of 1-year through 500-year return periods of rainfall at durations of 15-minutes, 30-minutes, 1-hour, 3-hours, 6-hours, 12-hours, 24-hours, 48-hours, and 72-hours. The rainfall estimates for durations from 15-minutes to 24-hours were then used to develop 24-hour design rainfall distributions. The information provided is used in the design of conservation engineering practices and analysis of potential flooding problems. Rainfall amount and rainfall distribution represent essential inputs to Natural Resources Conservation Service (NRCS) hydrology software applications, Engineering Field Handbook Chapter 2, WinTR-55, and WinTR-20.

**Instructions.** Please refer to the following table for a description of the specific documents released. The documents have been posted to Pacific Islands Area eFOTG and are available for viewing and printing online at: <http://www.nrcs.usda.gov/technical/efotg/index.html>.

#### **Contact.**

If you have questions about the soil survey map document, please contact Tony Rolfes, Assistant State Soil Scientist, via phone at (808) 541-2600 ext. 129 or email at [tony.rolfes@hi.usda.gov](mailto:tony.rolfes@hi.usda.gov).

If you have question about the Engineering Technical Note, please contact Jeff Wheaton, State Conservation Engineer, West Area, via phone at (671) 472-7105 or email at [Jeffrey.Wheaton@pb.usda.gov](mailto:Jeffrey.Wheaton@pb.usda.gov) or Bill Hollingsworth, State Conservation Engineer, East Area, via phone at (808) 541-2600 extension 126 or email at [bill.hollingsworth@hi.usda.gov](mailto:bill.hollingsworth@hi.usda.gov).

If you have questions about this notice, please contact Gail Ichikawa, Resource Conservationist/Agricultural Economist, via phone @: (808) 541-2600 ext. 110 or email at [gail.ichikawa@hi.usda.gov](mailto:gail.ichikawa@hi.usda.gov).

/signed/

LAWRENCE T. YAMAMOTO  
Director  
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Distribution: AE (All Employees)

Following is a description of the information released and changes made to eFOTG:

<b>Document</b>	<b>Description</b>
<b>PI FOTG Notice PI-18</b>	New PI Notice.
<b>PI Register of FOTG Notices</b>	Revised PI Register.
<b>Section II Table of Contents</b>	Revised Section II Table of Contents.
<b>Section II-A-1. How to Access NRCS Soil Survey Maps</b>	New document which explains the options available to access and view soil maps.
<b>Section II-B. Climatic Data - Engineering Hydrology Technical Note No.: 210-3 Announcement</b>	New technical note announcement.
<b>Section II-B. Climatic Data - Engineering Hydrology Technical Note No.: 210-3 Document</b>	New technical note document.