



Natural Resources Conservation Service  
2614 NW 43 Street  
Gainesville, FL 32606

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August 29, 2008

NATIONAL ENGINEERING MANUAL  
210V (Second Edition)  
Amendment FL-36

SUBJECT: ENG - NATIONAL ENGINEERING MANUAL, FLORIDA AMENDMENTS

Purpose. To supplement the National Engineering Manual (NEM).

Effective Date. This amendment is effective when received.

The hydrologic procedure and criteria have been changed to specify the approved software to be used for hydrologic analysis and the approved source to obtain hydrologic soil group information.

Filing Instructions. The attached amendments are to be filed in the NEM.

Delete Pages

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FL530-7(1) – FL530-7(2) (03/04)

Insert Pages

NEM Notice Florida Amendment FL-36

FL530-7(1) – FL530-7(2) (08/08)

Questions regarding the attached amendment should be directed to the SCE.

Jesse T. Wilson  
State Conservation Engineer

Enclosure

DIST: A, F, ENG

PART 530 - HYDROLOGY  
SUBPART B - HYDROLOGIC PROCEDURES AND CRITERIA

FL530.11

FL530.11 Hydrologic procedures.

Urban Hydrology for Small Watersheds (Technical Release No. 55), National Engineering Handbook (NEH), Part 630, Hydrology, and/or Engineering Field Handbook (EFH), Chapter 2, describe approved methods and procedures for hydrologic analysis of conservation practices.

Computer programs EFH2, WINTR-55 and WINTR-20 are approved for use in Florida for hydrologic analysis. Users must be fully knowledgeable on how the programs function and the program limitations.

For watersheds less than or equal to 16,000 acres, WINTR-55 may be used. For watershed that range in size from 1 acre to 200 acres, EFH2 may be used.

Computer programs can be downloaded from the following website:  
[www.wsi.nrcs.usda.gov/products/W2Q/H&H/Tools\\_Models/tool\\_mod.html](http://www.wsi.nrcs.usda.gov/products/W2Q/H&H/Tools_Models/tool_mod.html)

FL530.12 Hydrologic criteria.

In using Technical Release No. 55, Urban Hydrology for Small Watersheds or EFH Chapter 2, WINTR-55 or WINTR-20, the Type III rainfall distribution may be used for the entire state of Florida. The DelMarVa (DMV) unit hydrograph may be used in areas with average slope of 0.5 percent or less without benches or terraces.

Hydrologic Soil Group information for use in the above mentioned software and methods shall be obtained from the Soil Data Viewer through ArcMap under Soil Qualities and Features, Soil Data Mart database, under Water Features <http://soildatamart.nrcs.usda.gov/>, or from the web soil survey <http://websoilsurvey.nrcs.usda.gov/app/>. Hydrologic Soil Group listings in hard copy soil surveys, Exhibit A-1 of Technical Release No. 55 and Chapter 2 of EFH are no longer current and should not be used.

FL530-7(1)



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PART 530 - HYDROLOGY

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