

IX.7.1B FLASH FLOOD GUIDANCE SYSTEM (FFG) PROGRAM FFGUID SUBROUTINE DESCRIPTIONS

This Section describes the subroutines used by the Flash Flood Guidance System (FFGS) program FFGUID.

The subroutine described are:

| <u>Routine</u> | <u>Description</u> |
|----------------|---|
| calcp | calculates rainfall from rainfall-runoff curve [Hyperlink] |
| calcro | calculates runoff from a rainfall-runoff curve [Hyperlink] |
| cparea | computes area guidance [Hyperlink] |
| cp Cary | transfers carryover parameters [Hyperlink] |
| cpgrid | computes gridded guidance [Hyperlink] |
| cp hed | computes headwater guidance [Hyperlink] |
| cp size | computes average, maximum and minimum area from basin boundary information |
| cp sup | computes runoff for water supply [Hyperlink] |
| du area | dumps parameters for an area [Hyperlink] |
| du fpm | dumps parameters of specified type [Hyperlink] |
| du gdp m | dumps grid runoff adjust parameters for an area [Hyperlink] |
| du hed | dumps parameters for a headwater [Hyperlink] |
| du sup | dumps parameters for water supply [Hyperlink] |
| ed area | edits parameters for an area [Hyperlink] |
| ed gdp m | edits grid runoff adjust parameters [Hyperlink] |
| ed grid | edits gridded runoff and guidance values [Hyperlink] |
| ed hed | edits parameters for a headwater [Hyperlink] |
| ed sup | edits parameters for water supply [Hyperlink] |
| lin int | does linear interpolation [Hyperlink] |
| mbbls | maintains and initializes basin boundary line segment |

| <u>Routine</u> | <u>Description</u> |
|----------------|--|
| | parameters for testing [Hyperlink] |
| mffprm | maintains and initializes parameters except grids [Hyperlink] |
| mgrid | maintains and initializes gridded runoff parameters [Hyperlink] |
| pinare | input routine to define area parameters [Hyperlink] |
| pingpm | input routine to define grid runoff adjust parameters [Hyperlink] |
| pingro | input routine to define gridded runoff [Hyperlink] |
| pinhed | inputs routine to define headwater parameters [Hyperlink] |
| pinsup | input routine to define water supply parameters [Hyperlink] |
| putare | puts area guidance variables in parameter array [Hyperlink] |
| putgpm | puts grid runoff adjust parameters in parameter array [Hyperlink] |
| putgro | puts gridded values in parameter array [Hyperlink] |
| puthed | puts headwater variables in parameter array [Hyperlink] |
| putsup | puts water supply variables in parameter array [Hyperlink] |
| rcci | reads control info for rating curves [Hyperlink] |
| trcary | transfers carryover from the Operational Forecast System files [Hyperlink] |