Parametric information for the computation of Flash Flood Guidance
values is maintained using the program FFGUID Setup Menu.

A sub-menu for each of the items on the Setup Menu provides an
interactive capability to Add, Change, Delete or List parameters
associated with the selected type.

The Add and Change option allow parameters to be read from a file.

Parameters can be written to a file using the List function and then
read using the Add or Change function for file input.

An example of the Setup Menu is:

```
                              SETUP MENU

                   G - Grid

                   A - Areas

                   H - Headwaters

                   R - Runoff Adjust for Grids

                   W - Water Supply

                   U - User Controls

                   C - Computation Menu (previous menu)

        Select (<return>-exit):
```

The purpose and description of each item on the program Setup Menu is
in the following sections.

Computation Options

A summary of the Flash Flood Guidance System Computation options is in
Table 1.

Function Of System	Apply	User Options	Run Options	High Flows	Finishing	Other Savings

	e	0 1 2 3	NA NA	NA NA		0 1 2 3	4
Editor Item (HFFG)	1 2				1	
	-off -on		2-on 3-1&2	-off -on		
User Item Headwaters			02			

	e	0 1 2 3 5 9	x.xxxx		0 1 2 3	NA
Editor Item (GDPM)	2	3 4			1	
V ue -off -on			2-on 3-1&2	-off -on	2	3	1-5	6	3	2
User Item Grids			02		20		31

| Option | Run Options | | High Flows | Finishing | Other Savings |

Table 1. Flash Flood Guidance System computation options table

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Option	Grids				Headwaters				Function
	User Menu		Editor (GDPM)		User Menu		Editor (HFFG)		
	Item	Value	Item	Value	Item	Value	Item	Value	
Runoff Options	22	0-off 1-on 2-on 3-1&2	2 3 4	0 1 2 3 5 9 x.x x x.x x	23	0-off 1-on 2-on 3-1&2	12	0 1 2 3 NA NA NA NA	Off Apply supplied factors to runoff Use supplied values as FFG Use threshold runoff as FFG Apply supplied factors to FFG Exclude FFG id from grid computations Overbank factor. Default 1.10 Percent impervious area API-CIN average storm duration algorithm Combined

High Flows	24	0-off
		1-on
		
		2
			1	0
				1
				2
				3
				
				NA
					25	0-off
						1-on
							11	0
								1
								2
								3
								
								4
									Off
									Forecast flow at hours entered
									Forecast flow over next hours
									Highest forecast flow in time series
									
									Reduce threshold runoff by storm
									    total runoff (event API models)
									    instead of flows

Fill missings	32	0
		1-5
		
		6
									Off
									Fill in number of columns west and east
									    of boundary, number of rows north and
									    south of boundary if value is missing
									Fill in missing with predominant value
									    from at least 5 of 8 surrounding grids

Check Decreasing FFG values	33	1 2							For grids, zones and headwaters For zones and headwaters