BASINS Technical Note 6 Addendum
for Nonpoint Source Model (NPSM) Users
May, 2000

BASINS version 3.0, due out at the end of calendar year 2000, will include a new interface to HSPF (*WinHSPF*) that will replace the NPSM. For this reason, *BASINS Technical Note 6: Estimating Hydrology and Hydraulic Parameters for HSPF - Final* was written generically for all HSPF users, whether running HSPF from the NPSM, WinHSPF, or other interface, or using the HSPF dos program directly. The NPSM interface limits the HSPF user to only the most common form of defining outflow from a given reach segment - i.e. through a single outflow column in an FTABLE, written out in the User Control Input (UCI) file; it writes FTABLE data to the UCI file, as opposed to the WDM file; and it provides access to two key reach characteristic variables through the *Reach Editor* as opposed to the UCI-block-based *Data Editor*. The following six parameters, then, each of which are discussed on page 21 of Technical Note 6, require the following additional NPSM-specific notes:

ODGTFG   NPSM does not include the functionality to include outflow demand as a function of time. When NPSM writes the HSPF UCI file, it automatically sets this parameter to zero for each of the five possible exits for each reach represented in the model.

FUNCT   Since NPSM does not include time variable outflow demand (i.e. G[t] is null), and it allows outflow from only a single exit, NPSM automatically gives FUNCT a value of one (i.e. instructs HSPF to use the smaller of F[vol] and G[t], or F[vol] since G(t) does not exist) for the first possible exit, and a value of zero for the remaining four possible exits.

FTBDSN   NPSM allows the user to import, edit, and view FTABLES in the *F-Tables* screen; stores the data in the NPSM project file; and when run, writes the data to the FTABLES block in the UCI file. Since NPSM does not store FTABLES data in the WDM file, this parameter is not used.

FTABNO   These values are assigned automatically by NPSM, according to the order in which the reaches are listed, by NPSM, in the RCHRES block of the UCI.

LEN, DELTH These parameters are located in the Reach Characteristics screen in the NPSM, rather than the HYDR-PARM2 section of the Data Editor.