

VI.3.3B-SYSTEM-DEFINE-RFRO PROGRAM PPINIT DEFINE RFRO PARAMETERS

Purpose

The RFRO parameter group is used to define rainfall-runoff constants to be used in the MARO Preprocessor Function.

Input Data

The general format of the DEFINE command is described on page VI.3.3B-DEFINE. The input described here immediately follows the DEFINE command.

Card	Field	Required/ Optional 1/	Format	Description
1	1	R	A	'RFRO'
	2	R	A8	Rainfall-runoff relationship identifier
	3	R #	I	Rainfall-runoff relationship number <u>2/</u>
	4	R #	R	WN intercept on the RI1 axis (A) <u>3/</u>
	5	R #	I	Wettest week number (WN) <u>3/</u>
	6	R #	I	Driest week number (WX) <u>3/</u>
	7	R #	R	WX intercept on the RI1 axis (BI) <u>3/</u>
	8	R #	R	Empirical constant (SK) <u>3/</u> <u>4/</u>
	9	R #	I	Empirical constant (SM) <u>3/</u> <u>4/</u>
	10	R #	R	WN curvature constant (E1) <u>3/</u>
	11	R #	R	WX curvature constant (E2) <u>3/</u>
	12	R #	R	Power constant (CP) <u>3/</u>
	13	R #	R	Empirical constant (POW) <u>3/</u> <u>4/</u>

Notes:

1/ A '#' indicates that the parameter can be changed when redefining

a rainfall-runoff relationship.

- 2/ The number must be unique as compared to other rainfall-runoff relationships.
- 3/ The limits associated with the rainfall-runoff relationship parameters are as follows:

<u>Parameter</u>	<u>Lower Limit</u>	<u>Upper Limit</u>
A	> 0.0	≤ 12.0
WN	≥ 1	≤ 52
WX	≥ 1	≤ 52
BI	> 0.0	≤ 30.0
SK	≥ 0.5	≤ 1.25
SM	≥ 1	≤ 30
E1	> 0.0	≤ 10.0
E2	> 0.0	≤ 10.0
CP	> 0.0	≤ 1.0
POW	≥ 1.0	≤ 5.0

- 4/ Missing is allowed for the parameters. A missing value is specified by entering the field as 'M'.