

SUBROUTINE SPBASN

DESCRiption

This routine prints a basin parameter array.

Calling Sequence

CALL SPBASN (BASNID, DESCRP, FLAT, FLON, NBPTS, AREA, ELEV, CAREA, IY, IXB, IXE,
NSEGS, XC, YC, MAPFLG, MATFLG, PID, TID, PXID, UNITS, LFACTR, X, Y,
JX, JY, IVER, IPLOT, JN, ISTAT)

Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
BASNID	I	A*8	1	Basin boundary identifier
DESCRP	I	A*20	1	Descriptive information
FLAT	I	R*4	NBPTS	Array of latitude values (decimal degrees)
FLON	I	R*4	NBPTS	Array of longitude values (decimal degrees)
NBPTS	I	I*4	1	Actual number of basin boundary points
AREA	I	R*4	1	User specified basin area (KM2)
ELEV	I	R*4	1	Mean basin elevation (M)
CAREA	I	R*4	1	Computed basin area (KM2)
IY	I	I*4	NSEGS	Array of rows of grid points within defined basin
IXB	I	I*4	NSEGS	Array of columns of leftmost grid points within defined basin
IXE	I	I*4	NSEGS	Array of columns of rightmost grid points within defined basin
NSEGS	I	I*4	1	Number of NWSRFS/HRAP grid segments used to define the basin
XC	I	R*4	1	X coordinate of the area centroid
YC	I	R*4	1	Y coordinate of the area centroid

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
MAPFLG	I	I*4	1	Update indicator for MAP parameters
MATFLG	I	I*4	1	Update indicator for MAT parameters
PID	I	A*4	1	MAP area identifier
TID	I	A*4	1	MAT area identifier
PXID	I	A*4	1	MAPX area identifier
UNITS	I	A*4	1	Units in which data is to be printed (ENGL or METR)
LFACTR	I	I*4	1	Density factor for the grid point definition
X	I	R*4	NBPTS	Array of X coordinate basin boundary points
Y	I	R*4	NBPTS	Array of Y coordinate basin boundary points
JX	I	I*4	NBPTS	Integer array of X coordinates
JY	I	I*4	NBPTS	Integer array of Y coordinates
IVER	I	I*4	1	Parameter array version number
IPLOT	I	I*4	1	Indicator to print basin plot: 0 = no 1 = yes
JN	I	I*4	NBPTS	Coordinate pair number
ISTAT	O	I*4	1	Status code: 0 = okay 1 = error