

IX.4.1A-SHEF-SHEFPDB STANDARD HYDROLOGIC EXCHANGE FORMAT (SHEF) FILE  
SHEFPDB

Purpose

File SHEFPDB contains the information used to translate Standard Hydrologic Exchange Format (SHEF) Physical Element (PE) codes to Preprocessor Data Base (PPDB) data type codes.

Description

The records are ASCII text.

Records that have a '\*' in column 1 are treated as comments.

Non-comment records have the following structure:

<u>Columns</u>	<u>Type</u>	<u>Contents</u>
1-4	A4	PPDB data type
6-12	A7	Expanded SHEF code
15-16	A2	SHEF PE code
18-21	I	First duration code <u>1</u> /
23-26	I	Second duration code (zero or blank if none)
28	I	Observation hour code <u>2</u> /
30	A1	Type code
32	A1	Extreme code

Notes:

1/ The duration code is the integer representation of the duration used in the SHEFOUT file. The code specifies the units of time and the number of units as follows:

0XXX	minutes
1XXX	hours
2XXX	days
5004	time period beginning at 7 AM local time prior to the observation time ending at the observation time

where XXX is the number of units (i.e., 6 hours is 1006, 1 day is 2001, instantaneous is 0)

A duration code of -1 is used to specify that any duration from 1 to 24 hours is acceptable (durations are rounded to the nearest hour; durations of less than 30 minutes are treated as an

instantaneous observation).

- 2/ The observation hour code specifies the allowable ending hour or range of ending hours of the observation. The codes are as follows (HZ indicates the beginning and ending hour of the hydrologic day, usually 12Z):

<u>Code</u>	<u>Definition</u>
0	any hour
1	HZ
2	HZ±2
3	HZ+3*n (n=0,7)
4	HZ+6*n (n=0,3)
5	HZ+12
6	HZ+n
7	HZ-8/HZ+2
8	HZ-8/HZ+2