

IX.4.0B-HCLINDEX HYDROLOGIC COMMAND LANGUAGE FILE HCLINDEX

Purpose

File HCLINDEX contains the index to the Hydrologic Command Language Global and Local Procedure, Function, Technique and Name Option definitions.

The Global file also contains available Function numbers and Local Definition Reference records.

Description

ATTRIBUTES: fixed length 16 byte binary records

FILE STRUCTURE:

The contents of file HCLINDEX depends on whether the file contains Global or Local definitions:

<u>Records</u>	<u>File Type</u>	<u>Contents</u>
1-4	Global and Local	Control records
5-1004	Global and Local	Procedure index records
1005-2004	Global and Local	Function index records
2005-3004	Global and Local	Technique index records
3005-4004	Local	Named Option index record
3005-3255	Global	Function numbers of Functions that have been deleted
3271-5341	Global	Local Definition Reference records

RECORD STRUCTURE:

<u>Word</u>	<u>Contents</u>	<u>Description</u>
Control record 1:		
1	1004	Last Procedure index record
2	5	First Procedure index record
3	4 <u>1</u> /	Last Procedure index record used
4	1	Procedure code (negative if Global)

Control record 2:

Word    Description

1	2004	Last Function index record
2	1005	First Function index record
3	1004 <u>1</u> /	Last Function index record used
4	2	Function code (negative if Global)

Control record 3:

1	3004	Last Technique index record
2	2005	First Technique index record
3	2004 <u>1</u> /	Last Technique index record used
4	3	Technique code (negative if Global)

Control record 4 if Global index file:

1	5341	Last Local Definition Reference record used
2	3271	First Local Definition Reference record used
3	3270 <u>1</u> /	Last Local Definition Reference record used
4	3005	Record number of deleted Function control record

Control record 4 if Local index file:

1	4004	Last Option index record
2	3005	First Option index record
3	3004 <u>1</u> /	Last Option index record used
4	4	Option code

**Procedure, Function, Technique and Named Option index records:**

<u>Variable</u>	<u>Type</u>	<u>Dimension</u>	<u>Word Position</u>	<u>Description</u>
NAME	A8	1	1-2	Name
RECPTR	I*4	1	3	Record number
INTNUM	I*4	1	4	Internal number

**Deleted Function numbers control record:**

Word    Description

Word    Description

- 1        Maximum number of deleted numbers
- 2        Number of deleted Function numbers
- 3        Number of deleted Global Function numbers
- 4        Number of deleted Local Function numbers

**Local Definition Reference (LDR) records:**

<u>Variable</u>	<u>Type</u>	<u>Dimension</u>	<u>Word Position</u>	<u>Description</u>
NREC	I*4	1	1	Number of logical records in LDR
TYPE	I*4	1	2	Type of record: 1 = Procedure 2 = Function 3 = Technique
NAME	A8	1	3-4	Name of definition
RFCNAM	A8	1	5-6	Name of user that made definition
NUMREF	I*4	1	7	Number of Global references
GLBREF	I*4	?	8	Global references: >500 = internal Procedure number + 500 1-499 = internal Function number <0    = internal Technique number

Notes:

1/ Initial value. Value changes as definitions are added.