**Original HSI Database**

**Background Criteria** Data – *criteria.exe*

* program modifies HSI tables
* *Criteria tables* holds all background data for variables (all points on the curves) with which *TestValues* are compared
* Default values (fair range?) are used as TestValue if no data is entered (allows for life stage indices to be calculated without a ‘0’ value effecting results

**Data Entry –** *data.exe*

* TestValue obtained from data (field collected data), compared to thresholds in HSI (poor, fair, optimum ranges), and appropriate index is produced (0.1-1)
* 17 **Individual variables** combined **for Life Stage Component** Indices. These can be combined for **one complete index** for all life stages
* Database for all field sheets - **DATE/SITE NUMBER** **unique identifier**. Numbers keep order of surveys: 001 at downstream end, 999 at headwaters.
* 6 screens for portions of field sheet = content of one record
* Individual files by river name. In each file, multiple site numbers are saved. Can recall data (to edit) by site numbers.

**Data Viewing –** *viewer.exe*

* A bar graph is produced with all 17 variables on the horizontal and HSI values (0-1.0) along the vertical. Also shows actual testvalue field data.