

Technical Documentation  
**O. Import WS direct to R**

**Procedure to create an import file direct to the R system from Waterside Results.**

**This procedure is an emergency measure if the Notes system is not available.**

(This procedure is for Waterside Race Results displayed in PDF Format.)

1/ Open the results on the Waterside Canoe Race Website.-

<http://www.watersideseries.org.uk>

2/ Save the PDF file to your local PC.

4/ Open Able2Extract [V10 as of 2016] (or any other suitable program to convert a PDF File to a CSV File).

5/ Open the saved pdf file and convert to Excel.

6/ Format, Check and Correct the data.

A/ Check the boat number and crew name. They should be in the same column.

B/ If the Boat Number is in a separate column Remove the boat number column from the spread sheet. You will need to check the whole sheet as the different PDF pages may show a different pattern.

C/ Add the Class, Year and Race (ABCDS) as three new columns to all rows in the spread sheet. You will need to append 3 new columns to the spread sheet. You should copy and paste the Class from the Official Results as the names used are critical.

D/ Any places marked as equal must be changed to state the numerical place for both results. ie if Joint 3rd then both results must show 3 as the position.

E/ Sort the results by Position and remove any rows without a position. These will now be at the bottom of the results.

F/ Check the names and remove unnecessary sex codes (ie M F V J etc).

G/ If any Crew names are blank insert Unknown (Last Name) Paddler (First Name) into the Name columns.

H/ Insert a blank line at the top of the results

I/ Copy the columns from the template spread sheet from column H to the end and paste onto the new results sheet at column H\*\*

J/ Ensure the new columns have computed the correct data. Delete or copy and extend the rows as required so that all the new results have been created.

K/ Save the file as an Excel format to ExportRWS2020A (example only)

L/ Copy the computed columns Q to Y to a simple text editor (eg Notepad) and paste them back to a new Excel file. (NB the formula should now be replaced by the computed text)

M/ Save the new file as ExportRWS2020 (example) then add (append) these column rows to the existing file. Save as a CSV file. The purpose is to generate a single new file with all the results.

The WS Template Code file is included with the files in the www list. Only two rows of formula are included and these must be copied to all required rows.

For testing purposes you can save the ExportRWS2020 as a CSV file for R and test to ensure it is working - NB you will need to change the file name in R to match your assigned file name.

Note 2020 is the year of addition. The Format of the existing data file may be different as only the header columns will have been generated when created from Notes. It is important to ensure the columns names match up if adding to an existing file. \*\*The R system uses the column header to identify the correct columns for the programme.

Note This process is untested but is offered as a guide

Note The R system uses 1 file for all results. It will thus be necessary to add the new years data to the existing file or modify the R code to permit the appending of additional files to the existing system.

Last Updated 19/03/2020