**Purpose:** This function replaces both **import.fishery.data** and **get.logs** and adds some flexibility to what we can do with our logs. A function to get Logs and/or Slip information either the inshore and/or offshore fisheries. This file uses SQL for all of our inshore data, for offshore the optimal data remains in flat files that we process internally. This file optionally can obtain the uncorrected data pulled both the archive and production versions of MARFISSCI.

Notes

* Once we have our own SQL query to pull the necessary information our own SQL database this function will change to strictly utilize this information.

**Version Control:**

**Function Arguments Summary**

1. **loc:** The log data to recover. Default is ‘both’, Options are “inshore”, “offshore”, and

“both”

1. **year:** The year(s) from which to extract the data. Default is the current year according to your

computer. The “ALL” option will select all available data. Note that “ALL” for inshore is

2002 – 2015, while for offshore logs it is 1955-2015 (excluding 1960), for the offshore slips it is 2009-2015

1. **export:** Export the data to flat files. (T/F), default is F
2. **get.marfis:**  Grab the offshore data from the marfis database? Note this will also export these

data to special flat files if export =T. (T/F) default is F.

1. **ex.marfis:** Export the marfis data to special flat files? (T/F) default is F.
2. **un:** your SQL username. default = un.ID (if set in your r.Profile this will run automatically)
3. **pw:** Your SQL password. default = pwd.ID (if set in your r.Profile this will run automatically)
4. **db.con**: Database to connect to. Default is "ptran"

**Section 1**

The first section of this function brings in the **inshore** data from the SCALLOP schema, the SCALLOP\_LOG\_MARFIS table to be specific. The loop structure allows for calls of multiple year data which wasn’t possible in old calls to the database. If export = T then a csv file of the results is created, there are several options on name structure so we can properly ID what data the file contains and placed in the folder inshore/Logs/Processed

**Section 2**

*These are the most up to date* ***offshore*** *log data we have available currently and should be used in all subsequent analyses*. All the data after 2009 are taken from located in locally developed files these are corrected data originally downloaded from the MARFISSCI production table (after 2009). These data are compiled into an object called **new.log.dat**.

For the offshore logs before 2009 the data has already been compiled and processed into two files (containing log data from 1955-1980 and 1981-2008). These data were originally obtained from locally available log information in a series of “log” files from 1955-2008 (1960 is missing) using the archived version of **import.fishery.data.r**. This archived function could be used to call the log files if necessary (although the read/write calls will need to be updated to reflect any changes in the “data” folder structure) . The logs are available in a folder along the lines of … data/approve/logs/Raw\_logs. Here we combine these two files into one object (old.logs.dat) which we import into the NEW **import.fishery.data.r** function but it does not need any processing within this function.

If we want to export the data produced in Sections 2 and 3 they are dumped into the folder …Offshore/Logs/Processed or for the slips …Offshore/Slips/Processed. The objects **new.log.dat,** **old.log.dat** and **log.dat.in** are all returned from this function for use in other functions.

**Section 3**

*If obtaining data from this section please be aware that the offshore data obtained in section 2 is more up to date/accurate and the Section 2 data should be used in any analyses*. The most recent 2 years of log and slip data for the offshore scallops a pulled from the MARFISSCI\_P\_OFFSHORE\_SCALLOP\_LOG/SLIP tables. For now the data will be collected from the production version of the SQL database for the current year and the previous year, MARFISSCI\_P\_OFFSHORE\_SCALLOP\_LOG/SLIP views. The “P” is the production version of these tables and contains the last 2-3 years of data. Older is obtained from the archived version of the production table (MARFISSCI\_OFFSHORE\_SCALLOP\_LOG/SLIP) but this may/may not contain the most up to date information thus we are not using it. When export is true seperate log and slip flat files are produced which include only the previous year’s log/slip information. This is saved to the “Raw\_logs” and “Raw”slips” folder to be used in the following years data analysis (as this data will no longer be queried via ODBC since it may no longer appear in the production version of the MARFIS database).

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