Package: framrosetta (via r-universe)

February 21, 2025

Type Package

Title FRAM LUTs and mappings

Version 0.1.0

Description Look-up tables and convenience functions for working with FRAM tables.

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Encoding UTF-8

LazyData true

RoxygenNote 7.3.2

Depends R (>= 2.10)

Imports cli, dplyr, rlang

URL https://framverse.github.io/framrosetta/

Suggests knitr, rmarkdown

VignetteBuilder knitr

Repository https://framverse.r-universe.dev

RemoteUrl https://github.com/FRAMverse/framrosetta

RemoteRef HEAD

RemoteSha 99c70dd03db66b34dc7ccf51799291a5cff973ef

Contents

`bk_lookupfun_chin` *Generate Chinook bk_fram look-up table*

Description

At present the FRAM databases use a differents stock_id numbering system in the Backwards-FRAM table than everywhere else. The dataframe ‘bk_lookup_chin‘ provides a lookup table based on the stocks used in Preseason 2024. However, we are working to modify FRAM to support splitting Chinook stock aggregates, which will lead to increased numbers of StockIDs. ‘bk_lookupfun_chin‘ provides an appropruate lookup table based on the ‘max_stock‘ argument, either returning ‘bk_lookup_chin‘ (if max_stock is not provided or doesn’t exceed the stocks in ‘bk_lookup_chin‘) or extending the dataframe with new stock ids based on the numbering conventions of the bk_stock_id.

Usage

```
bk_lookupfun_chin(max_stock = NA)
```

Arguments

`max_stock`	Positive integer representing the largest *Normal* stock id (stock ids outside of the BackwardsFram table). As of Preseason 2024, there are 78 stocks; splitting stocks might increase this (e.g. 80, 82, 84). Defaults to NA.

Value

Tibble of lookup table. ‘$stock_name_bk‘ gives numan-readable stock names; ‘$bk_stock_id‘ gives the "StockID" used in backwards FRAM; ‘$stock_id‘ gives the StockID used everywhere else. NAs in ‘$stock_id‘ correspond to "totalled" stocks, which are used in backwards FRAM and nowhere else.

Examples

```
temp = bk_lookupfun_chin(80)
tail(temp)
```

bk_lookup_chin *Lookup table for Chinook stock IDs from BkFRAM to normal FRAM*

Description

This table is based on Chinook stock tables from pre-season 2024. Additional stock may be added in the future (splitting out stock aggregates). The 'bk_lookupfun_chin()' function accommodates this.

Usage

```
bk_lookup_chin
```

Format

A data frame with 116 rows and 3 columns:

stock_name_bk Stock name

bk_stock_id Stock ID in the BackwardsFRAM table

stock_id Stock ID anywhere else in FRAM and TAMM

fishery_chinook_fram *Chinook fishery information*

Description

Mapping of fishery_id to fishery name for Chinook salmon, taken from the 'Fishery' table of the Chinook FRAM database.

Usage

```
fishery_chinook_fram
```

Format

A data frame with 74 rows and 5 columns:

species Species name

version_number

fishery_id Chinook fishery id number in FRAM

fishery_name Chinook fishery name in FRAM

fishery_title consistent and more human readable version of 'fishery_name'

Source

2024 Pre-Season Chinook DB.mdb

fishery_coho_fram *Coho fishery information*

Description

Mapping of fishery_id to fishery name for Coho salmon, taken from the 'Fishery' table of the Coho FRAM database.

Usage

```
fishery_coho_fram
```

Format

A data frame with 198 rows and 5 columns:

species Species name

version_number

fishery_id Coho fishery id number in FRAM

fishery_name Coho fishery name in FRAM

fishery_title consistent and more human readable version of 'fishery_name'

Source

2024NOF_CohoFRAMdatabase_distribution.mdb

fishery_coho_psc *Coho fishery information (PSC)*

Description

Mapping of FRAM fishery_id to PSC fishery ID and name for Coho salmon, based on the Annual-Report R package.

Usage

```
fishery_coho_psc
```

Format

A data frame with 197 rows and 5 columns:

species Species name

fram_fishery_id Fishery ID in FRAM

psc_fishery_id Corresponding ID for the psc fishery

psc_group_code

psc_fishery_name Name of PSC fishery ID for the psc fishery

psc_fishery_order

Source

https://github.com/PSC-CoTC/AnnualReport

`fishery_search` *Search through fishery and stock lookup tables.*

Description

Search through fishery and stock lookup tables.

Usage

```
fishery_search(pattern, species)

stock_search(pattern, species)
```

Arguments

`pattern`	Character string of pattern to search for, case insensitive. If numeric instead, function will return the row with the corresponding stock or fishery ID.
`species`	"CHINOOK" or "COHO

Examples

```
fishery_search("kmz", "COHO")
fishery_search(50, "COHO")
stock_search("nooksack", "CHINOOK")
stock_search(21, "CHINOOK")
```

rmis_fram *Lookup table for FRAM to RMIS recoveries*

Description

For more about the Regional Mark Information System (RMIS), see https://www.rmpc.org/.

Usage

```
rmis_fram
```

Format

'rmis_fram' A data frame with 225,390 rows and 4 columns:

psc_code RMIS PSC Recovery Location

gear Gear Code

fishery_id FRAM fishery ID

fishery_name FRAM fishery name

Source

<https://github.com/FRAMverse/framr/blob/master/xlsx/lu_coho.xlsx

stock_chinook_fram *Chinook stock information*

Description

Mapping of stock_id to stock name for Chinook salmon, taken from the 'Stock' table of the Chinook FRAM database.

Usage

```
stock_chinook_fram
```

Format

A data frame with 78 rows and 7 columns:

species Species name

stock_version

stock_id Chinook stock id number in FRAM

production_region_number

management_unit_number

stock_name Chinook stock name in FRAM

stock_long_name 'stock_name' but more human readable

Source

2024 Pre-Season Chinook DB.mdb

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stock_coho_fram *Coho stock information*

Description

Mapping of FRAM stock_id to FRAM stock name for Coho salmon, taken from the ‘Stock‘ table of the Coho FRAM database.

Usage

```
stock_coho_fram
```

Format

A data frame with 78 rows and 7 columns:

species Species name

stock_version

stock_id Coho stock id number in FRAM

production_region_number

management_unit_number

stock_name Coho stock name in FRAM

stock_long_name ‘stock_name‘ but more human readable

Source

2024NOF_CohoFRAMdatabase_distribution.mdb

---

stock_coho_psc *Coho stock information (PSC)*

Description

Mapping of FRAM stock_id to PSC stock id and psc stock names, based on the AnnualReport R package.

Usage

```
stock_coho_psc
```

Format

A data frame with 41 rows and 4 columns:

species Species name

fram_stock_id Coho stock id number in FRAM

psc_stock_id Corresponding PSC stock ID

psc_stock_name PSC stock name

Source

https://github.com/PSC-CoTC/AnnualReport

`timestep_chinook_fram` *Chinook timestep information stock information*

Description

Mapping of timestep numbers to dates in the year, taken from the 'TimeStep' table of the Chinook FRAM database

Usage

```
timestep_chinook_fram
```

Format

A data frame with 4 rows and 5 columns:

species Species name

version_number

time_step_id id number for the time step

time_step_name Span of each timestep. Timesteps start on the first of the month, and end on the last of the month. Note that 'Oct-Apr-2' is highlighting that timestep 4 runs from October of the current year to April of the NEXT year (equivalent to timestep 1 of the following year).

time_step_title 'time_step_name', but months are written out

Source

2024 Pre-Season Chinook DB.mdb

timestep_coho_fram *Coho timestep information stock information*

Description

Mapping of timestep numbers to dates in the year, taken from the 'TimeStep' table of the Chinook FRAM database

Usage

```
timestep_coho_fram
```

Format

A data frame with 5 rows and 5 columns:

species Species name

version_number

time_step_id id number for the time step

time_step_name Span of each timestep. Timesteps start on the first of the month, and end on the last of the month.

time_step_title 'time_step_name', but months are written out consistently

Source

2024NOF_CohoFRAMdatabase_distribution.mdb

tocas_fram *Lookup table for FRAM to TOCAS*

Description

Lookup table for FRAM to TOCAS

Usage

```
tocas_fram
```

Format

'tocas_fram' A data frame with 10,462 rows and 6 columns:

fisher_type 1 = Non-Treaty / 2 = Treaty

gear Gear Code

dispostion Dispostion. "COMM" = Commercial, "C&SF" = Ceremonial and Subsistence fishing, "ORGN" = , "Test" and "TEST" = Test fishery (?), TKHM = ??

catch_area Catch area code, not zero-padded

fishery_id FRAM fishery ID

fishery_name FRAM fishery name

Source

<https://github.com/FRAMverse/framr/blob/master/xlsx/lu_coho.xlsx

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waft_fram *Lookup table for FRAM to WAFT*

Description

Lookup table for FRAM to WAFT

Usage

```
waft_fram
```

Format

'waft_fram' A data frame with 10,462 rows and 6 columns:

fishery_type 1 = Non-Treaty / 2 = Treaty

gear Gear Code

dispostion Dispostion. "COMM" = Commercial, "C&SF" = Ceremonial and Subsistence fishing, "ORGN" = , "Test" and "TEST" = Test fishery (?), TKHM = ??

catch_area Catch area code, zero-padded

fishery_id FRAM fishery ID

fishery_name FRAM fishery name

Source

<https://github.com/FRAMverse/framr/blob/master/xlsx/lu_coho.xlsx

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