

Package: VRData (via r-universe)

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Type Package

Title This is a data package for the spawner and fraction wild data used in the NWFSC PNW Salmonid Viability Reports.

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Imports stringr

Suggests rmarkdown, knitr

URL <https://nwfsc-math-bio.github.io/VRData>,
<https://github.com/nwfsc-math-bio/VRData>

BugReports <https://github.com/nwfsc-math-bio/VRData/issues>

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License GPL-2

LazyData false

Roxygen list(markdown = TRUE)

RoxygenNote 7.1.1

VignetteBuilder knitr

Config/pak/sysreqs libicu-dev

Repository <https://jimianelli.r-universe.dev>

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RemoteUrl <https://github.com/jimianelli/VRData>

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Columbia-River-Chum-Salmon-ESU

Columbia River Chum Salmon ESU

Description

Spawner counts and fraction wild data.

Format

A csv file.

NMFS_POPID NWFSC id for the population.

ESU ESU or DPS name.

SPECIES Species name.

RUN_TIMING Run timing (fall, winter, spring, etc). If missing, see the ESU/DPS name or may not be applicable for the species.

MAJOR_POPULATION_GROUP Major population group within the ESU or DPS.

COMMON_POPULATION_NAME Population name.

YEAR The year that the count was made.

NUMBER_OF_SPAWNERS Spawners count. -99 means missing count.

FRACWILD Fraction wild. -99 means missing information.

Details

Downloaded from the SPS Master Oracle 2013-2014 Database on January 28, 2016

Author(s)

Monica Diaz (NOAA/NWFSC)

Examples

```
data('Columbia-River-Chum-Salmon-ESU')
library(ggplot2)
out$NUMBER_OF_SPAWNERS[out$NUMBER_OF_SPAWNERS== -99] <- NA
ggplot(out, aes(x=YEAR, y=NUMBER_OF_SPAWNERS)) + geom_point(na.rm = TRUE) +
  ggtitle('Columbia-River-Chum-Salmon-ESU') +
  facet_wrap(~COMMON_POPULATION_NAME)
```

Hood-Canal-Summer-run-Chum-Salmon-ESU

Hood Canal Summer-run Chum Salmon ESU

Description

Spawner counts and fraction wild data.

Format

A csv file.

NMFS_POPID NWFSC id for the population.

ESU ESU or DPS name.

SPECIES Species name.

RUN_TIMING Run timing (fall, winter, spring, etc). If missing, see the ESU/DPS name or may not be applicable for the species.

MAJOR_POPULATION_GROUP Major population group within the ESU or DPS.

COMMON_POPULATION_NAME Population name.

YEAR The year that the count was made.

NUMBER_OF_SPAWNERS Spawners count. -99 means missing count.

FRACWILD Fraction wild. -99 means missing information.

Details

Downloaded from the SPS Master Oracle 2013-2014 Database on January 28, 2016

Author(s)

Monica Diaz (NOAA/NWFSC)

Examples

```
data('Hood-Canal-Summer-run-Chum-Salmon-ESU')
library(ggplot2)
out$NUMBER_OF_SPAWNERS[out$NUMBER_OF_SPAWNERS== -99] <- NA
ggplot(out, aes(x=YEAR, y=NUMBER_OF_SPAWNERS)) + geom_point(na.rm = TRUE) +
  ggtitle('Hood-Canal-Summer-run-Chum-Salmon-ESU') +
  facet_wrap(~COMMON_POPULATION_NAME)
```

Lower-Columbia-River-Chinook-Salmon-ESU

Lower Columbia River Chinook Salmon ESU

Description

Spawner counts and fraction wild data.

Format

A csv file.

NMFS_POPID NWFSC id for the population.

ESU ESU or DPS name.

SPECIES Species name.

RUN_TIMING Run timing (fall, winter, spring, etc). If missing, see the ESU/DPS name or may not be applicable for the species.

MAJOR_POPULATION_GROUP Major population group within the ESU or DPS.

COMMON_POPULATION_NAME Population name.

YEAR The year that the count was made.

NUMBER_OF_SPAWNERS Spawners count. -99 means missing count.

FRACWILD Fraction wild. -99 means missing information.

Details

Downloaded from the SPS Master Oracle 2013-2014 Database on January 28, 2016

Author(s)

Monica Diaz (NOAA/NWFSC)

Examples

```
data('Lower-Columbia-River-Chinook-Salmon-ESU')
library(ggplot2)
out$NUMBER_OF_SPAWNERS[out$NUMBER_OF_SPAWNERS== -99] <- NA
ggplot(out, aes(x=YEAR, y=NUMBER_OF_SPAWNERS)) + geom_point(na.rm = TRUE) +
  ggtitle('Lower-Columbia-River-Chinook-Salmon-ESU') +
  facet_wrap(~COMMON_POPULATION_NAME)
```

Lower-Columbia-River-Coho-Salmon-ESU

Lower Columbia River Coho Salmon ESU

Description

Spawner counts and fraction wild data.

Format

A csv file.

NMFS_POPID NWFSC id for the population.

ESU ESU or DPS name.

SPECIES Species name.

RUN_TIMING Run timing (fall, winter, spring, etc). If missing, see the ESU/DPS name or may not be applicable for the species.

MAJOR_POPULATION_GROUP Major population group within the ESU or DPS.

COMMON_POPULATION_NAME Population name.

YEAR The year that the count was made.

NUMBER_OF_SPAWNERS Spawners count. -99 means missing count.

FRACWILD Fraction wild. -99 means missing information.

Details

Downloaded from the SPS Master Oracle 2013-2014 Database on January 28, 2016

Author(s)

Monica Diaz (NOAA/NWFSC)

Examples

```
data('Lower-Columbia-River-Coho-Salmon-ESU')
library(ggplot2)
out$NUMBER_OF_SPAWNERS[out$NUMBER_OF_SPAWNERS== -99] <- NA
ggplot(out, aes(x=YEAR, y=NUMBER_OF_SPAWNERS)) + geom_point(na.rm = TRUE) +
  ggtitle('Lower-Columbia-River-Coho-Salmon-ESU') +
  facet_wrap(~COMMON_POPULATION_NAME)
```

Lower-Columbia-River-Steelhead-DPS

Lower Columbia River Steelhead DPS

Description

Spawner counts and fraction wild data.

Format

A csv file.

NMFS_POPID NWFSC id for the population.

ESU ESU or DPS name.

SPECIES Species name.

RUN_TIMING Run timing (fall, winter, spring, etc). If missing, see the ESU/DPS name or may not be applicable for the species.

MAJOR_POPULATION_GROUP Major population group within the ESU or DPS.

COMMON_POPULATION_NAME Population name.

YEAR The year that the count was made.

NUMBER_OF_SPAWNERS Spawners count. -99 means missing count.

FRACWILD Fraction wild. -99 means missing information.

Details

Downloaded from the SPS Master Oracle 2013-2014 Database on January 28, 2016

Author(s)

Monica Diaz (NOAA/NWFSC)

Examples

```
data('Lower-Columbia-River-Steelhead-DPS')
library(ggplot2)
out$NUMBER_OF_SPAWNERS[out$NUMBER_OF_SPAWNERS== -99] <- NA
ggplot(out, aes(x=YEAR, y=NUMBER_OF_SPAWNERS)) + geom_point(na.rm = TRUE) +
  ggtitle('Lower-Columbia-River-Steelhead-DPS') +
  facet_wrap(~COMMON_POPULATION_NAME)
```

Middle-Columbia-River-Steelhead-DPS

Middle Columbia River Steelhead DPS

Description

Spawner counts and fraction wild data.

Format

A csv file.

NMFS_POPID NWFSC id for the population.

ESU ESU or DPS name.

SPECIES Species name.

RUN_TIMING Run timing (fall, winter, spring, etc). If missing, see the ESU/DPS name or may not be applicable for the species.

MAJOR_POPULATION_GROUP Major population group within the ESU or DPS.

COMMON_POPULATION_NAME Population name.

YEAR The year that the count was made.

NUMBER_OF_SPAWNERS Spawners count. -99 means missing count.

FRACWILD Fraction wild. -99 means missing information.

Details

Downloaded from the SPS Master Oracle 2013-2014 Database on January 28, 2016

Author(s)

Monica Diaz (NOAA/NWFSC)

Examples

```
data('Middle-Columbia-River-Steelhead-DPS')
library(ggplot2)
out$NUMBER_OF_SPAWNERS[out$NUMBER_OF_SPAWNERS== -99] <- NA
ggplot(out, aes(x=YEAR, y=NUMBER_OF_SPAWNERS)) + geom_point(na.rm = TRUE) +
  ggtitle('Middle-Columbia-River-Steelhead-DPS') +
  facet_wrap(~COMMON_POPULATION_NAME)
```

Oregon-Coast-Coho-Salmon-ESU

Oregon Coast Coho Salmon ESU

Description

Spawner counts and fraction wild data.

Format

A csv file.

NMFS_POPID NWFSC id for the population.

ESU ESU or DPS name.

SPECIES Species name.

RUN_TIMING Run timing (fall, winter, spring, etc). If missing, see the ESU/DPS name or may not be applicable for the species.

MAJOR_POPULATION_GROUP Major population group within the ESU or DPS.

COMMON_POPULATION_NAME Population name.

YEAR The year that the count was made.

NUMBER_OF_SPAWNERS Spawners count. -99 means missing count.

FRACWILD Fraction wild. -99 means missing information.

Details

Downloaded from the SPS Master Oracle 2013-2014 Database on January 28, 2016

Author(s)

Monica Diaz (NOAA/NWFSC)

Examples

```
data('Oregon-Coast-Coho-Salmon-ESU')
library(ggplot2)
out$NUMBER_OF_SPAWNERS[out$NUMBER_OF_SPAWNERS==99] <- NA
ggplot(out, aes(x=YEAR, y=NUMBER_OF_SPAWNERS)) + geom_point(na.rm = TRUE) +
  ggtitle('Oregon-Coast-Coho-Salmon-ESU') +
  facet_wrap(~COMMON_POPULATION_NAME)
```

Ozette-Lake-Sockeye-Salmon-ESU

Ozette Lake Sockeye Salmon ESU

Description

Spawner counts and fraction wild data.

Format

A csv file.

NMFS_POPID NWFSC id for the population.

ESU ESU or DPS name.

SPECIES Species name.

RUN_TIMING Run timing (fall, winter, spring, etc). If missing, see the ESU/DPS name or may not be applicable for the species.

MAJOR_POPULATION_GROUP Major population group within the ESU or DPS.

COMMON_POPULATION_NAME Population name.

YEAR The year that the count was made.

NUMBER_OF_SPAWNERS Spawners count. -99 means missing count.

FRACWILD Fraction wild. -99 means missing information.

Details

Downloaded from the SPS Master Oracle 2013-2014 Database on January 28, 2016

Author(s)

Monica Diaz (NOAA/NWFSC)

Examples

```
data('Ozette-Lake-Sockeye-Salmon-ESU')
library(ggplot2)
out$NUMBER_OF_SPAWNERS[out$NUMBER_OF_SPAWNERS== -99] <- NA
ggplot(out, aes(x=YEAR, y=NUMBER_OF_SPAWNERS)) + geom_point(na.rm = TRUE) +
  ggtitle('Ozette-Lake-Sockeye-Salmon-ESU') +
  facet_wrap(~COMMON_POPULATION_NAME)
```

Puget-Sound-Chinook-Salmon-ESU

Puget Sound Chinook Salmon ESU

Description

Spawner counts and fraction wild data.

Format

A csv file.

NMFS_POPID NWFSC id for the population.

ESU ESU or DPS name.

SPECIES Species name.

RUN_TIMING Run timing (fall, winter, spring, etc). If missing, see the ESU/DPS name or may not be applicable for the species.

MAJOR_POPULATION_GROUP Major population group within the ESU or DPS.

COMMON_POPULATION_NAME Population name.

YEAR The year that the count was made.

NUMBER_OF_SPAWNERS Spawners count. -99 means missing count.

FRACWILD Fraction wild. -99 means missing information.

Details

Downloaded from the SPS Master Oracle 2013-2014 Database on January 28, 2016

Author(s)

Monica Diaz (NOAA/NWFSC)

Examples

```
data('Puget-Sound-Chinook-Salmon-ESU')
library(ggplot2)
out$NUMBER_OF_SPAWNERS[out$NUMBER_OF_SPAWNERS== -99] <- NA
ggplot(out, aes(x=YEAR, y=NUMBER_OF_SPAWNERS)) + geom_point(na.rm = TRUE) +
  ggtitle('Puget-Sound-Chinook-Salmon-ESU') +
  facet_wrap(~COMMON_POPULATION_NAME)
```

Puget-Sound-Steelhead-DPS

Puget Sound Steelhead DPS

Description

Spawner counts and fraction wild data.

Format

A csv file.

NMFS_POPID NWFSC id for the population.

ESU ESU or DPS name.

SPECIES Species name.

RUN_TIMING Run timing (fall, winter, spring, etc). If missing, see the ESU/DPS name or may not be applicable for the species.

MAJOR_POPULATION_GROUP Major population group within the ESU or DPS.

COMMON_POPULATION_NAME Population name.

YEAR The year that the count was made.

NUMBER_OF_SPAWNERS Spawners count. -99 means missing count.

FRACWILD Fraction wild. -99 means missing information.

Details

Downloaded from the SPS Master Oracle 2013-2014 Database on January 28, 2016

Author(s)

Monica Diaz (NOAA/NWFSC)

Examples

```
data('Puget-Sound-Steelhead-DPS')
library(ggplot2)
out$NUMBER_OF_SPAWNERS[out$NUMBER_OF_SPAWNERS== -99] <- NA
ggplot(out, aes(x=YEAR, y=NUMBER_OF_SPAWNERS)) + geom_point(na.rm = TRUE) +
  ggtitle('Puget-Sound-Steelhead-DPS') +
  facet_wrap(~COMMON_POPULATION_NAME)
```

Snake-River-Basin-Steelhead-DPS

Snake River Basin Steelhead DPS

Description

Spawner counts and fraction wild data.

Format

A csv file.

NMFS_POPID NWFSC id for the population.

ESU ESU or DPS name.

SPECIES Species name.

RUN_TIMING Run timing (fall, winter, spring, etc). If missing, see the ESU/DPS name or may not be applicable for the species.

MAJOR_POPULATION_GROUP Major population group within the ESU or DPS.

COMMON_POPULATION_NAME Population name.

YEAR The year that the count was made.

NUMBER_OF_SPAWNERS Spawners count. -99 means missing count.

FRACWILD Fraction wild. -99 means missing information.

Details

Downloaded from the SPS Master Oracle 2013-2014 Database on January 28, 2016

Author(s)

Monica Diaz (NOAA/NWFSC)

Examples

```
data('Snake-River-Basin-Steelhead-DPS')
library(ggplot2)
out$NUMBER_OF_SPAWNERS[out$NUMBER_OF_SPAWNERS== -99] <- NA
ggplot(out, aes(x=YEAR, y=NUMBER_OF_SPAWNERS)) + geom_point(na.rm = TRUE) +
  ggtitle('Snake-River-Basin-Steelhead-DPS') +
  facet_wrap(~COMMON_POPULATION_NAME)
```

Snake-River-Fall-run-Chinook-Salmon-ESU

Snake River Fall-run Chinook Salmon ESU

Description

Spawner counts and fraction wild data.

Format

A csv file.

NMFS_POPID NWFSC id for the population.

ESU ESU or DPS name.

SPECIES Species name.

RUN_TIMING Run timing (fall, winter, spring, etc). If missing, see the ESU/DPS name or may not be applicable for the species.

MAJOR_POPULATION_GROUP Major population group within the ESU or DPS.

COMMON_POPULATION_NAME Population name.

YEAR The year that the count was made.

NUMBER_OF_SPAWNERS Spawners count. -99 means missing count.

FRACWILD Fraction wild. -99 means missing information.

Details

Downloaded from the SPS Master Oracle 2013-2014 Database on January 28, 2016

Author(s)

Monica Diaz (NOAA/NWFSC)

Examples

```
data('Snake-River-Fall-run-Chinook-Salmon-ESU')
library(ggplot2)
out$NUMBER_OF_SPAWNERS[out$NUMBER_OF_SPAWNERS== -99] <- NA
ggplot(out, aes(x=YEAR, y=NUMBER_OF_SPAWNERS)) + geom_point(na.rm = TRUE) +
  ggtitle('Snake-River-Fall-run-Chinook-Salmon-ESU') +
  facet_wrap(~COMMON_POPULATION_NAME)
```

Snake-River-Spring-Summer-run-Chinook-Salmon-ESU

Snake River Spring-Summer-run Chinook Salmon ESU

Description

Spawner counts and fraction wild data.

Format

A csv file.

NMFS_POPID NWFSC id for the population.

ESU ESU or DPS name.

SPECIES Species name.

RUN_TIMING Run timing (fall, winter, spring, etc). If missing, see the ESU/DPS name or may not be applicable for the species.

MAJOR_POPULATION_GROUP Major population group within the ESU or DPS.

COMMON_POPULATION_NAME Population name.

YEAR The year that the count was made.

NUMBER_OF_SPAWNERS Spawners count. -99 means missing count.

FRACWILD Fraction wild. -99 means missing information.

Details

Downloaded from the SPS Master Oracle 2013-2014 Database on January 28, 2016

Author(s)

Monica Diaz (NOAA/NWFSC)

Examples

```
data('Snake-River-Spring-Summer-run-Chinook-Salmon-ESU')
library(ggplot2)
out$NUMBER_OF_SPAWNERS[out$NUMBER_OF_SPAWNERS== -99] <- NA
ggplot(out, aes(x=YEAR, y=NUMBER_OF_SPAWNERS)) + geom_point(na.rm = TRUE) +
  ggtitle('Snake-River-Spring-Summer-run-Chinook-Salmon-ESU') +
  facet_wrap(~COMMON_POPULATION_NAME)
```

Upper-Columbia-River-Spring-run-Chinook-Salmon-ESU

Upper Columbia River Spring-run Chinook Salmon ESU

Description

Spawner counts and fraction wild data.

Format

A csv file.

NMFS_POPID NWFSC id for the population.

ESU ESU or DPS name.

SPECIES Species name.

RUN_TIMING Run timing (fall, winter, spring, etc). If missing, see the ESU/DPS name or may not be applicable for the species.

MAJOR_POPULATION_GROUP Major population group within the ESU or DPS.

COMMON_POPULATION_NAME Population name.

YEAR The year that the count was made.

NUMBER_OF_SPAWNERS Spawners count. -99 means missing count.

FRACWILD Fraction wild. -99 means missing information.

Details

Downloaded from the SPS Master Oracle 2013-2014 Database on January 28, 2016

Author(s)

Monica Diaz (NOAA/NWFSC)

Examples

```
data('Upper-Columbia-River-Spring-run-Chinook-Salmon-ESU')
library(ggplot2)
out$NUMBER_OF_SPAWNERS[out$NUMBER_OF_SPAWNERS== -99] <- NA
ggplot(out, aes(x=YEAR, y=NUMBER_OF_SPAWNERS)) + geom_point(na.rm = TRUE) +
  ggtitle('Upper-Columbia-River-Spring-run-Chinook-Salmon-ESU') +
  facet_wrap(~COMMON_POPULATION_NAME)
```

Upper-Columbia-River-Steelhead-DPS

Upper Columbia River Steelhead DPS

Description

Spawner counts and fraction wild data.

Format

A csv file.

NMFS_POPID NWFSC id for the population.

ESU ESU or DPS name.

SPECIES Species name.

RUN_TIMING Run timing (fall, winter, spring, etc). If missing, see the ESU/DPS name or may not be applicable for the species.

MAJOR_POPULATION_GROUP Major population group within the ESU or DPS.

COMMON_POPULATION_NAME Population name.

YEAR The year that the count was made.

NUMBER_OF_SPAWNERS Spawners count. -99 means missing count.

FRACWILD Fraction wild. -99 means missing information.

Details

Downloaded from the SPS Master Oracle 2013-2014 Database on January 28, 2016

Author(s)

Monica Diaz (NOAA/NWFSC)

Examples

```
data('Upper-Columbia-River-Steelhead-DPS')
library(ggplot2)
out$NUMBER_OF_SPAWNERS[out$NUMBER_OF_SPAWNERS== -99] <- NA
ggplot(out, aes(x=YEAR, y=NUMBER_OF_SPAWNERS)) + geom_point(na.rm = TRUE) +
  ggtitle('Upper-Columbia-River-Steelhead-DPS') +
  facet_wrap(~COMMON_POPULATION_NAME)
```

Upper-Willamette-River-Chinook-Salmon-ESU

Upper Willamette River Chinook Salmon ESU

Description

Spawner counts and fraction wild data.

Format

A csv file.

NMFS_POPID NWFSC id for the population.

ESU ESU or DPS name.

SPECIES Species name.

RUN_TIMING Run timing (fall, winter, spring, etc). If missing, see the ESU/DPS name or may not be applicable for the species.

MAJOR_POPULATION_GROUP Major population group within the ESU or DPS.

COMMON_POPULATION_NAME Population name.

YEAR The year that the count was made.

NUMBER_OF_SPAWNERS Spawners count. -99 means missing count.

FRACWILD Fraction wild. -99 means missing information.

Details

Downloaded from the SPS Master Oracle 2013-2014 Database on January 28, 2016

Author(s)

Monica Diaz (NOAA/NWFSC)

Examples

```
data('Upper-Willamette-River-Chinook-Salmon-ESU')
library(ggplot2)
out$NUMBER_OF_SPAWNERS[out$NUMBER_OF_SPAWNERS== -99] <- NA
ggplot(out, aes(x=YEAR, y=NUMBER_OF_SPAWNERS)) + geom_point(na.rm = TRUE) +
  ggtitle('Upper-Willamette-River-Chinook-Salmon-ESU') +
  facet_wrap(~COMMON_POPULATION_NAME)
```

Upper-Willamette-River-Steelhead-DPS

Upper Willamette River Steelhead DPS

Description

Spawner counts and fraction wild data.

Format

A csv file.

NMFS_POPID NWFSC id for the population.

ESU ESU or DPS name.

SPECIES Species name.

RUN_TIMING Run timing (fall, winter, spring, etc). If missing, see the ESU/DPS name or may not be applicable for the species.

MAJOR_POPULATION_GROUP Major population group within the ESU or DPS.

COMMON_POPULATION_NAME Population name.

YEAR The year that the count was made.

NUMBER_OF_SPAWNERS Spawners count. -99 means missing count.

FRACWILD Fraction wild. -99 means missing information.

Details

Downloaded from the SPS Master Oracle 2013-2014 Database on January 28, 2016

Author(s)

Monica Diaz (NOAA/NWFSC)

Examples

```
data('Upper-Willamette-River-Steelhead-DPS')
library(ggplot2)
out$NUMBER_OF_SPAWNERS[out$NUMBER_OF_SPAWNERS== -99] <- NA
ggplot(out, aes(x=YEAR, y=NUMBER_OF_SPAWNERS)) + geom_point(na.rm = TRUE) +
  ggtitle('Upper-Willamette-River-Steelhead-DPS') +
  facet_wrap(~COMMON_POPULATION_NAME)
```

vrdata_names	<i>VRData names</i>
--------------	---------------------

Description

Allowed values for data columns. #'

Format

A vector of names. #'

esu_dps Allowed ESU or DPS names. (species

Allowed species names. \item(run_timing

Author(s)

Eli Holmes (NOAA)

Examples

```
data('vrdata_names')
cat(c("ESU and DPS", esu_dps), sep="\n")
cat(c("\n", "Species", species), sep="\n")
cat(c("\n", "Run Timing", run_timing), sep="\n")
```

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