

Package: curtisquadata (via r-universe)

November 16, 2024

Title Curtis and Qua Creeks Productivity Study Data

Version 0.0.1

Description Fifteen relational tibbles from the Curtis and Qua Creeks Productivity study. The study which ran from 2015 to 2017 collected data on the water quality and temperature, periphyton, benthic invertebrates and fish populations of Curtis and Qua Creeks in the Salmo Watershed, British Columbia.

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Depends R (>= 3.3)

Suggests chk, covr, testthat

Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.1.0

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

RemoteUrl <https://github.com/poissonconsulting/curtisquadata>

RemoteRef HEAD

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analyte	<i>Analyte Data</i>
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Description

A tibble of the different analytes.

Usage

```
analyte
```

Format

A tibble with the columns:

Analyte Name of the analyte.

Units Units of the analyte.

MRL Minimum reporting level.

analytesample	<i>Analyte Sample Data</i>
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Description

A tibble of the sites, dates and lab ids for visit to take water samples.

Usage

```
analytesample
```

Format

A tibble with the columns:

LabID Unique lab identifier for sample.

Biosite Site name.

DateAnalyteSample Sample date.

analytevalue	<i>Analyte Value Data</i>
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Description

A tibble of the analyte values.

Usage

```
analytevalue
```

Format

A tibble with the columns:

LabID Unique lab identifier for sample.

Analyte Analyte Name.

Value Analyte value.

benthiccount	<i>Benthic Count Data</i>
--------------	---------------------------

Description

A tibble of the benthic invertebrate counts by family.

Usage

```
benthiccount
```

Format

A tibble with the columns:

Biosite Site name.

DateBenthicSample Sample date.

Order Order name.

Family Family name.

Count Number of individuals.

benthicsample *Benthic Sample Data*

Description

A tibble of the sites and dates for benthic sampling.

Usage

```
benthicsample
```

Format

A tibble with the columns:

Biosite Site name.

DateBenthicSample Sample date.

Subsample Proportion of subsampled.

biosite *Biosite Data*

Description

A tibble of the different sites for analyte, periphyton and benthic invertebrate sampling.

Usage

```
biosite
```

Format

A tibble with the columns:

BioSite Site name

Creek Creek name

geometry Site spatial coordinates including elevation.

creek

Creek Data

Description

A tibble of the creeks.

Usage

creek

Format

A tibble with the columns:

Creek Creek name

effish

Electrofishing Fish

Description

A tibble of the fish caught by electrofishing.

Usage

effish

Format

A tibble with the columns:

EFSite Site names

DateEFVisit Date of visit

EFPass Electrofishing pass number

FishNumber Fish number

Species Species code

ForkLength Fish fork length (mm)

BodyWeigth Fish body weight (g)

efsite *Electrofishing Site Data*

Description

A tibble of the different backpack electrofishing sites.

Usage

efsite

Format

A tibble with the columns:

EFSite Electrofishing site name

Creek Creek name

SiteLength Site length (m)

Elevation Site elevation (masl)

DominantSubstrate Dominant substrate

geometry Site upstream spatial coordinates.

efspecies *Electrofishing Species*

Description

A tibble of the fish species caught by electrofishing.

Usage

efspecies

Format

A tibble with the columns:

Species Species code

CommonName Species common name

efvisit	<i>Electrofishing Visit</i>
---------	-----------------------------

Description

A tibble of the visits to electrofishing sites.

Usage

```
efvisit
```

Format

A tibble with the columns:

EFSite Site names

DateEFVisit Date of visit

Conductivity Conductivity (uS/cm)

EFSecPass1 Seconds electrofishing on first pass

EFSecPass2 Seconds electrofishing on second pass

EFSecPass3 Seconds electrofishing on third pass

periphyton	<i>Periphyton Data</i>
------------	------------------------

Description

A tibble of the periphyton time series Chlorophyll-A concentrations.

Usage

```
periphyton
```

Format

A tibble with the columns:

BioSite Site name

DatePeriphyton Sample date

Series Series number

SampleID Unique sample identifier

Chla Chlorophyll-A concentration

taxon

Taxon Data

Description

A tibble of the different taxa

Usage

taxon

Format

A tibble with the columns:

Order Order name.

Family Family name.

temperature

Temperature Data

Description

A tibble of the water temperature data.

Usage

temperature

Format

A tibble with the columns:

TempSite Site name

DateTimeTemperature Date and time of the temperature.

Temperature Water temperature (C)

tempsite	<i>Temperature Site Data</i>
----------	------------------------------

Description

A tibble of the different temperature sites.

Usage

```
tempsite
```

Format

A tibble with the columns:

TempSite Site name

Creek Creek name

geometry Site spatial coordinates including elevation.

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