

Package ‘DWR’

April 12, 2017

Title A Package To Pull Data From Cdec Website

Version 0.0.0.9000

Description Auto-queries the .csv query form at cdec.water.gov for station info between the dates of your choosing.

Depends R (>= 3.3.3)

License What license is it under?

Encoding UTF-8

LazyData true

RoxygenNote 6.0.1

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CDECquery	<i>CDECquery</i>
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Description

CDECquery function, recreated from the sharpshootR package (function author: Dylan Beaudette)

Usage

```
CDECquery(id, sensor, interval = "D", start, end)
```

Arguments

id	The three letter station ID, quoted and in all caps (for a full list of station ids, see:)
sensor	The number of the sensor you want (for a full list of sensors, see:)
interval	The code of the data duration you want: "D" for daily (default), "E" for event, or "M" monthly.
start	The start date of the data, in mm/dd/yyyy format
end	The end date of the data you want, in mm/dd/yyyy format

Details

For original documentation, see `?sharpshootR::CDECQuery`. Dates must be in yyyy-mm-dd format, type of data and station is quoted, sensor number is numeric.

Value

The data between the specified `start_date` and `end_date`, in table format

Examples

```
d <- CDECQuery("FPT", 20, "E", "03/01/2011", "05/01/2011")
head(d)
```

sensorIDs	<i>Sensor IDs of CDEC</i>
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Description

A dataframe containing the numeric sensor code and descriptions for the water quality stations from `cdec.water.ca.gov`.

Usage

```
sensorIDs
```

Format

A dataframe with 243 observations of 5 variables:

Sensor No. Numeric sensor number, which is one of the required arguments for the `getCDEC` function

Sensor Abbreviated description of the sensor and what it records

PE Code No idea what this is or what it's for

Description Longer description of the sensor and what it records

Units Units that the sensor records in

Source

<http://cdec.water.ca.gov/misc/senslist.html>

stationIDs	<i>Station IDs of CDEC</i>
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Description

A dataframe containing the 3-letter station code and the description of water quality stations from cdec.water.ca.gov/.

Usage

```
stationIDs
```

Format

A dataframe with 2605 observations of 2 variables:

StationID Abbreviated station ID, which is one of the required arguments for the `getCDEC` function

Description Brief description of the station, scraped from cdec.water.ca.gov

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