

Package ‘DWR’

April 11, 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

Imports RHTMLForms,
XML,
RCurl

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f2	<i>getCDEC - a function generated by getXML::createFunction</i>
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Description

getCDEC - a function generated by getXML::createFunction

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Usage

f2

f2

Arguments

sensor_num	The number of the sensor you want (for a full list of sensors, see:)
start_date	The start date of the data, in mm/dd/yyyy format
end_date	The end date of the data you want, in mm/dd/yyyy format
station_id	The three letter station ID, quoted and in all caps (for a full list of station ids, see:)
dur_code	The code of the data duration you want.
sensor_num	The number of the sensor you want (for a full list of sensors, see:)
start_date	The start date of the data, in mm/dd/yyyy format
end_date	The end date of the data you want, in mm/dd/yyyy format
station_id	The three letter station ID, quoted and in all caps (for a full list of station ids, see:)
dur_code	The code of the data duration you want.

Format

An object of class `list` of length 7.

Details

dates must be in mm/dd/yyyy format, type of data and station is quoted, sensor number is numeric.

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Value

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

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Examples

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

sensorIDs

Sensor IDs of CDEC

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

Station IDs of CDEC

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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