

Package ‘nlaR’

October 13, 2022

Title Interface to the National Lakes Assessment

Version 0.4.0

Description Client for programmatic access to the 2007 and 2012 National Lakes Assessment database <<https://www.epa.gov/national-aquatic-resource-surveys/nla>> containing data for hundreds of lakes in the lower 48 states of the contiguous US.

Depends R (>= 3.0.0)

Imports rappdirs

URL <https://github.com/jsta/nlaR>

BugReports <https://github.com/jsta/nlaR/issues>

License GPL

Encoding UTF-8

LazyData true

RoxygenNote 6.1.1

Suggests knitr, rmarkdown, dplyr, magrittr, skimr, sf, maps, R.rsp

VignetteBuilder R.rsp, knitr

Language en-US

NeedsCompilation no

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Repository CRAN

Date/Publication 2019-01-22 20:40:02 UTC

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nlaR-package	<i>R interface to the National Lakes Assessment</i>
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Description

R interface to the National Lakes Assessment

Author(s)

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nla_compile	<i>Compile NLA data for on-disk storage</i>
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Description

Compile NLA data for on-disk storage

Usage

```
nla_compile(year, use_rappdirs, local_path)
```

Arguments

year	numeric choice of 2007 or 2012.
use_rappdirs	logical write files to operating system data directories at the location returned by user_data_dir .
local_path	folder path to raw downloads from 'nla_get'

Value

rds

nla_get	<i>Download NLA data from USEPA</i>
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Description

Retrieves NLA flat files.

Usage

```
nla_get(year, use_rappdirs = FALSE)
```

Arguments

year	numeric choice of 2007 or 2012.
use_rappdirs	logical write files to operating system data directories at the location returned by user_data_dir .

Examples

```
nla_get(2012)
```

nla_load	<i>Load NLA data into current R session</i>
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Description

Load NLA data into current R session

Usage

```
nla_load(year, use_rappdirs = FALSE, source_folder = NA)
```

Arguments

year	numeric choice of 2007 or 2012.
use_rappdirs	logical write files to operating system data directories at the location returned by user_data_dir .
source_folder	optional custom file.path to data directory

Value

list

Examples

```
source_folder <- nla_get(2012)
dt <- nla_load(2012, source_folder = source_folder)
```

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