

Package: bcmaps (via r-universe)

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Title Map Layers and Spatial Utilities for British Columbia

Version 2.3.0.9000

Description Various layers of B.C., including administrative boundaries, natural resource management boundaries, census boundaries etc. All layers are available in BC Albers (<https://spatialreference.org/ref/epsg/3005/>) equal-area projection, which is the B.C. government standard. The layers are sourced from the British Columbia and Canadian government under open licenses, including B.C. Data Catalogue (<https://data.gov.bc.ca/>), the Government of Canada Open Data Portal (<https://open.canada.ca/en/using-open-data>), and Statistics Canada (<https://www.statcan.gc.ca/en/terms-conditions/open-licence>).

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URL <https://github.com/bcgov/bcmaps>, <https://bcgov.github.io/bcmaps/>

BugReports <https://github.com/bcgov/bcmaps/issues>

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airzones	<i>British Columbia Air Zones</i>
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Description

British Columbia Air Zones

Usage

```
airzones(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
force	Should you force download the data?

Value

The spatial layer of `airzones` as an `sf` object.

Source

```
bcdata::bcdata_get_data(record = 'e8eeefc4-2826-47bc-8430-85703d328516', resource = 'c495d082-b586-4df0-
```

See Also

Other BC layers: `bc_bound()`, `bc_bound_hres()`, `bc_cities()`, `bec()`, `census_dissemination_area()`, `census_dissemination_block()`, `census_division()`, `census_economic()`, `census_metropolitan_area()`, `census_subdivision()`, `census_tract()`, `ecoprovinces()`, `ecoregions()`, `ecosections()`, `fsa()`, `gw_aquifers()`, `health_chsa()`, `health_ha()`, `health_hsda()`, `health_lha()`, `hydrozones()`, `mapsheets_250K()`, `mapsheets_50K()`, `municipalities()`, `nr_areas()`, `nr_districts()`, `nr_regions()`, `regional_districts()`, `tsa()`, `water_districts()`, `water_precincts()`, `watercourses_15M()`, `watercourses_5M()`, `wsc_drainages()`

Examples

```
## Not run:
my_layer <- airzones()

## End(Not run)
```

available_layers	<i>List available data layers</i>
------------------	-----------------------------------

Description

A data.frame of all available layers in the bcmeps package. This drawn directly from the B.C. Data Catalogue and will therefore be the most current list layers available.

Usage

```
available_layers()
```

Value

A data.frame of layers, with titles, and a shortcut_function column denoting whether or not a shortcut function exists that can be used to return the layer. If TRUE, the name of the shortcut function is the same as the layer_name. A value of FALSE in this column means the layer is available via get_data() but there is no shortcut function for it.

A value of FALSE in the local column means that the layer is not stored in the bcmeps package but will be downloaded from the internet and cached on your hard drive.

Examples

```
## Not run:
available_layers()

## End(Not run)
```

bc_area	<i>The size of British Columbia</i>
---------	-------------------------------------

Description

Total area, Land area only, or Freshwater area only, in the units of your choosing.

Usage

```
bc_area(what = "total", units = "km2")
```

Arguments

what	Which part of BC? One of 'total' (default), 'land', or 'freshwater'.
units	One of 'km2' (square kilometres; default), 'm2' (square metres), 'ha' (hectares), 'acres', or 'sq_mi' (square miles)

Details

The sizes are from [Statistics Canada](#)

Value

The area of B.C. in the desired units (numeric vector).

Examples

```
## With no arguments, gives the total area in km^2:
bc_area()

## Get the area of the land only, in hectares:
bc_area("land", "ha")
```

bc_bbox

Get an extent/bounding box for British Columbia

Description

Get an extent/bounding box for British Columbia

Usage

```
bc_bbox(class = c("sf", "raster"), crs = 3005)
```

Arguments

class	"sf", "raster".
crs	coordinate reference system: integer with the EPSG code, or character with proj4string. Default 3005 (BC Albers).

Value

an object denoting a bounding box of British Columbia, of the corresponding class specified in class.

Examples

```
## Not run:
  bc_bbox("sf")
  bc_bbox("raster")

## End(Not run)
```

bc_bound

BC Boundary

Description

BC Boundary

Usage

```
bc_bound(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of interactive().
force	Should you force download the data?

Value

The spatial layer of bc_bound as an sf object

Source

```
bcdata::bcdata_get_data('b9bd93e1-0226-4351-b943-05c6f80bd5da')
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:
my_layer <- bc_bound()

## End(Not run)
```

bc_bound_hres	<i>BC Boundary - High Resolution</i>
---------------	--------------------------------------

Description

BC Boundary - High Resolution

Usage

```
bc_bound_hres(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
force	Should you force download the data?

Value

The spatial layer of `bc_bound_hres` as an `sf` object

Source

```
bcdc_get_data(record = '30aeb5c1-4285-46c8-b60b-15b1a6f4258b', resource = '3d72cf36-ab53-4a2a-9988-a888-4a2a-9988-a888-4a2a-9988-a888',  
layer = 'BC_Boundary_Terrestrial_Multipart')
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsa\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:  
my_layer <- bc_bound_hres()  
  
## End(Not run)
```

`bc_cities`*BC Major Cities Points*

Description

BC Major Cities Points

Usage

```
bc_cities(ask = interactive(), force = FALSE)
```

Arguments

<code>ask</code>	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
<code>force</code>	Should you force download the data?

Value

The spatial layer of `bc_cities` as an `sf` object.

Source

```
bcdata::bcdata_get_data(record = 'b678c432-c5c1-4341-88db-0d6befa0c7f8', resource = '443dd858-2e37-4a8f-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:  
my_layer <- bc_cities()  
  
## End(Not run)
```

bc_neighbours	<i>Boundary of British Columbia, provinces/states and the portion of the Pacific Ocean that borders British Columbia</i>
---------------	--

Description

Boundary of British Columbia, provinces/states and the portion of the Pacific Ocean that borders British Columbia

Usage

```
bc_neighbours(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of interactive().
force	Should you force download the data?

Value

The spatial layer of bc_neighbours as an sf object

Source

```
bcdata::bcdata_get_data('b9bd93e1-0226-4351-b943-05c6f80bd5da')
```

Examples

```
## Not run:  
my_layer <- bc_neighbours()  
  
## End(Not run)
```

bec	<i>British Columbia BEC Map</i>
-----	---------------------------------

Description

British Columbia BEC Map

Usage

```
bec(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of interactive().
force	Should you force download the data?

Value

The spatial layer of bec as an sf object.

Source

bcdata::bcdata_get_data(record = 'f358a53b-ffde-4830-a325-a5a03ff672c3', resource = '3ec24cb4-f78d-48a9-

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:
my_layer <- bec()

## End(Not run)
```

bec_colours

Biogeoclimatic Zone Colours

Description

Standard colours used to represent Biogeoclimatic Zone colours to be used in plotting.

Usage

```
bec_colours()
```

```
bec_colors()
```

Value

named vector of hexadecimal colour codes. Names are standard abbreviations of Zone names.

Examples

```
## Not run:
if (require(sf) && require(ggplot2)) {
  bec <- bec()
  ggplot() +
    geom_sf(data = bec[bec$ZONE %in% c("BG", "PP"),],
            aes(fill = ZONE, col = ZONE)) +
    scale_fill_manual(values = bec_colors()) +
    scale_colour_manual(values = bec_colours())
}

## End(Not run)
```

 cded

Canadian Digital Elevation Model (CDED)

Description

Digital Elevation Model (DEM) for British Columbia produced by GeoBC. This data is the TRIM DEM converted to the Canadian Digital Elevation Data (CDED) format. The data consists of an ordered array of ground or reflective surface elevations, recorded in metres, at regularly spaced intervals. The spacing of the grid points is .75 arc seconds north/south. The data was converted into 1:50,000 grids for distribution. The scale of this modified data is 1:250,000 which was captured from the original source data which was at a scale of 1:20,000.

Usage

```
cded(
  aoi = NULL,
  tiles_50K = NULL,
  .predicate = sf::st_intersects,
  dest_vrt = tempfile(fileext = ".vrt"),
  ask = interactive(),
  check_tiles = TRUE
)
```

Arguments

aoi	Area of Interest. Currently supports sf and sp polygons, stars and raster objects.
tiles_50K	a character vector of 1:50,000 NTS mapsheet tiles
.predicate	geometry predicate function used to find the mapsheets from your aoi. Default sf::st_intersects .
dest_vrt	The location of the vrt file. Defaults to a temporary file, but can be overridden if you'd like to save it for a project
ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .

`check_tiles` Should the tiles that you already have in your cache be checked to see if they need updating? Default TRUE. If you are running the same code frequently and are confident the tiles haven't changed, setting this to FALSE will speed things up.

Value

path to a .vrt file of the cded tiles for the specified area of interest

Examples

```
## Not run:
vic <- census_subdivision()[census_subdivision()$CENSUS_SUBDIVISION_NAME == "Victoria", ]
vic_cded <- cded(aoi = vic)

## End(Not run)
```

cded_stars

Get Canadian Digital Elevation Model (CDED) as a stars object

Description

Get Canadian Digital Elevation Model (CDED) as a stars object

Usage

```
cded_stars(
  aoi = NULL,
  tiles_50K = NULL,
  .predicate = sf::st_intersects,
  dest_vrt = tempfile(fileext = ".vrt"),
  ask = interactive(),
  check_tiles = TRUE,
  ...
)
```

Arguments

<code>aoi</code>	Area of Interest. Currently supports sf and sp polygons, stars and raster objects.
<code>tiles_50K</code>	a character vector of 1:50,000 NTS mapsheet tiles
<code>.predicate</code>	geometry predicate function used to find the mapsheets from your aoi. Default sf::st_intersects .
<code>dest_vrt</code>	The location of the vrt file. Defaults to a temporary file, but can be overridden if you'd like to save it for a project
<code>ask</code>	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .

`check_tiles` Should the tiles that you already have in your cache be checked to see if they need updating? Default TRUE. If you are running the same code frequently and are confident the tiles haven't changed, setting this to FALSE will speed things up.

... Further arguments passed on to [stars::read_stars](#)

Value

a stars object of the cded tiles for the specified area of interest

Examples

```
## Not run:
vic <- census_subdivision()[census_subdivision()$CENSUS_SUBDIVISION_NAME == "Victoria", ]
vic_cded <- cded_stars(aoi = vic)

## End(Not run)
```

cded_terra *Get Canadian Digital Elevation Model (CDED) as a terra object*

Description

Get Canadian Digital Elevation Model (CDED) as a terra object

Usage

```
cded_terra(
  aoi = NULL,
  tiles_50K = NULL,
  .predicate = sf::st_intersects,
  dest_vrt = tempfile(fileext = ".vrt"),
  ask = interactive(),
  check_tiles = TRUE,
  ...
)
```

Arguments

`aoi` Area of Interest. Currently supports sf and sp polygons, stars and raster objects.

`tiles_50K` a character vector of 1:50,000 NTS mapsheet tiles

`.predicate` geometry predicate function used to find the mapsheets from your aoi. Default [sf::st_intersects](#).

`dest_vrt` The location of the vrt file. Defaults to a temporary file, but can be overridden if you'd like to save it for a project

`ask` Should the function ask the user before downloading the data to a cache? Defaults to the value of `interactive()`.

check_tiles Should the tiles that you already have in your cache be checked to see if they need updating? Default TRUE. If you are running the same code frequently and are confident the tiles haven't changed, setting this to FALSE will speed things up.

... Further arguments passed on to `terra::rast()`

Value

a terra object of the cded tiles for the specified area of interest

Examples

```
## Not run:
vic <- census_subdivision()[census_subdivision()$CENSUS_SUBDIVISION_NAME == "Victoria", ]
vic_cded <- cded_terra(aoi = vic)

## End(Not run)
```

census_dissemination_area

Current Census Dissemination Areas

Description

Current Census Dissemination Areas

Usage

```
census_dissemination_area(ask = interactive(), force = FALSE)
```

Arguments

ask Should the function ask the user before downloading the data to a cache? Defaults to the value of `interactive()`.

force Should you force download the data?

Value

The spatial layer of `census_dissemination_area` as an sf object.

Source

```
bcdata::bcdata_get_data(record = 'a091fd65-d682-4a24-8c0e-68de7c87e3a3', resource = 'a7fa66d4-0f95-4c58-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hnda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:  
my_layer <- census_dissemination_area()  
  
## End(Not run)
```

census_dissemination_block

Current Census Dissemination Blocks

Description

Current Census Dissemination Blocks

Usage

```
census_dissemination_block(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
force	Should you force download the data?

Value

The spatial layer of `census_dissemination_block` as an `sf` object.

Source

```
bcdata::bcdata_get_data(record = '76909e49-8ba8-44b1-b69e-dba1fe9ecfba', resource = '2416c524-ed5e-442c-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:
my_layer <- census_dissemination_block()

## End(Not run)
```

census_division

Current Census Division Boundaries

Description

Current Census Division Boundaries

Usage

```
census_division(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
force	Should you force download the data?

Value

The spatial layer of `census_division` as an `sf` object.

Source

```
bcddata::bcd_get_data(record = 'ef17918a-597a-4012-8534-f8e71d8735b3', resource = '36b530c2-1de6-44a2-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:
my_layer <- census_division()

## End(Not run)
```

census_economic	<i>Current Census Economic Region Boundaries</i>
-----------------	--

Description

Current Census Economic Region Boundaries

Usage

```
census_economic(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of interactive().
force	Should you force download the data?

Value

The spatial layer of census_economic as an sf object.

Source

```
bcdata::bcdata_get_data(record = '1aebc451-a41c-496f-8b18-6f414cde93b7', resource = '3f0236cf-b1a1-4f1a-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsdA\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:
my_layer <- census_economic()

## End(Not run)
```

census_metropolitan_area

Current Census Metropolitan Areas

Description

Current Census Metropolitan Areas

Usage

```
census_metropolitan_area(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
force	Should you force download the data?

Value

The spatial layer of `census_metropolitan_area` as an sf object.

Source

```
bcdata::bcdata_get_data(record = 'a6fb34b7-0937-4718-8f1f-43dba2c0f407', resource = 'f129a965-363e-4d7e-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:  
my_layer <- census_metropolitan_area()  
  
## End(Not run)
```

census_subdivision *Current Census Subdivision Boundaries*

Description

Current Census Subdivision Boundaries

Usage

```
census_subdivision(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
force	Should you force download the data?

Value

The spatial layer of `census_subdivision` as an sf object.

Source

```
bcdata::bcdata_get_data(record = '4c5618c6-38dd-4a62-a3de-9408b4974bb6', resource = '98bd1222-57bb-4504-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:  
my_layer <- census_subdivision()  
  
## End(Not run)
```

`census_tract`*Current Census Tract Boundaries*

Description

Current Census Tract Boundaries

Usage

```
census_tract(ask = interactive(), force = FALSE)
```

Arguments

<code>ask</code>	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
<code>force</code>	Should you force download the data?

Value

The spatial layer of `census_tract` as an sf object.

Source

```
bcdata::bcdata_get_data(record = '539aae5b-12f6-4934-9592-9b27acc827f8', resource = 'be767db6-0d4e-4906-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsa\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:  
my_layer <- census_tract()  
  
## End(Not run)
```

combine_nr_rd	<i>Combine Northern Rockies Regional Municipality with Regional Districts</i>
---------------	---

Description

Combine Northern Rockies Regional Municipality with Regional Districts

Usage

```
combine_nr_rd()
```

Value

A layer where the Northern Rockies Regional Municipality has been combined with the Regional Districts to form a full provincial coverage.

delete_cache	<i>View and delete cached files</i>
--------------	-------------------------------------

Description

View and delete cached files

Show the files you have in your cache

Usage

```
delete_cache(files_to_delete = NULL)
```

```
show_cached_files()
```

Arguments

files_to_delete

An optional argument to specify which files or layers should be deleted from the cache. Defaults to deleting all files pausing for permission from user. If a subset of files are specified, the files are immediately deleted.

Value

delete_cache(): A logical of whether the file(s) were successful deleted

show_cached_files(): a data.frame with the columns:

- file, the name of the file,
- size_MB, file size in MB,
- is_dir, is it a directory? If you have cached tiles from the `cded()` functions, there will be a row in the data frame showing the total size of the cded tiles cache directory.
- modified, date and time last modified

Examples

```
## Not run:
## See which files you have
show_cached_files()

## Delete your whole cache
delete_cache()

## Specify which files are deleted
delete_cache(c('regional_districts.rds', 'bc_cities.rds'))

## End(Not run)
```

 ecoprovinces

British Columbia Ecoprovinces

Description

British Columbia Ecoprovinces

Usage

```
ecoprovinces(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of interactive().
force	Should you force download the data?

Value

The spatial layer of ecoprovinces as an sf object.

Source

```
bcdata::bccdc_get_data(record = '51832f47-efdf-4956-837a-45fc2c9032dd', resource = '811fcadb-1a53-4574-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:
my_layer <- ecoprovinces()

## End(Not run)
```

ecoregions *British Columbia Ecoregions*

Description

British Columbia Ecoregions

Usage

```
ecoregions(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
force	Should you force download the data?

Value

The spatial layer of ecoregions as an sf object.

Source

```
bcdata::bcdata_get_data(record = 'd00389e0-66da-4895-bd56-39a0dd64aa78', resource = 'bd816a86-4f5e-4989-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:
my_layer <- ecoregions()

## End(Not run)
```

ecosections

British Columbia Ecosections

Description

British Columbia Ecosections

Usage

```
ecosections(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
force	Should you force download the data?

Value

The spatial layer of ecosections as an sf object.

Source

```
bcdata::bcdata_get_data(record = 'ccc01f43-860d-4583-8ba4-e72d8379441e', resource = '6b6a3122-7a0b-4c0f-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsa\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:  
my_layer <- ecosections()  
  
## End(Not run)
```

fsa

British Columbia Forward Sortation Areas

Description

British Columbia Forward Sortation Areas

Usage

```
fsa(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
force	Should you force download the data?

Source

http://www12.statcan.gc.ca/census-recensement/2011/geo/bound-limit/files-fichiers/2016/lfsa000b16a_e.zip

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsa\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:  
my_layer <- fsa()  
  
## End(Not run)
```

get_layer	<i>Get a B.C. spatial layer</i>
-----------	---------------------------------

Description

Get a B.C. spatial layer

Usage

```
get_layer(layer, ask = interactive(), force = FALSE)
```

Arguments

layer	the name of the layer. The list of available layers can be obtained by running <code>available_layers()</code>
ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
force	Should you force download the data?

Value

the layer requested

Examples

```
## Not run:
  get_layer("bc_bound_hres")

## End(Not run)
```

gw_aquifers	<i>British Columbia's developed ground water aquifers</i>
-------------	---

Description

British Columbia's developed ground water aquifers

Usage

```
gw_aquifers(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
force	Should you force download the data?

Value

The spatial layer of gw_aquifers as an sf object.

Source

```
bcdata::bcdata_get_data(record = '099d69c5-1401-484d-9e19-c121ccb7977c', resource = '8f421e3a-ccd3-4fab-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:
my_layer <- gw_aquifers()

## End(Not run)
```

health_chsa

Community Health Service Areas - CHSA

Description

Community Health Service Areas - CHSA

Usage

```
health_chsa(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of interactive().
force	Should you force download the data?

Value

The spatial layer of health_chsa as an sf object.

Source

```
bcdata::bcdata_get_data(record = '68f2f577-28a7-46b4-bca9-7e9770f2f357', resource = '59065b51-511a-4976-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_ha\(\)](#), [health_hsda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:
my_layer <- health_chsa()

## End(Not run)
```

health_ha

Health Authority Boundaries

Description

Health Authority Boundaries

Usage

```
health_ha(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
force	Should you force download the data?

Value

The spatial layer of `health_ha` as an `sf` object.

Source

```
bcdata::bcdata_get_data(record = '7bc6018f-bb4f-4e5d-845e-c529e3d1ac3b', resource = '93b79a3c-2da4-4fd4-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_hsda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:
my_layer <- health_ha()

## End(Not run)
```

health_hsda

Health Service Delivery Area Boundaries

Description

Health Service Delivery Area Boundaries

Usage

```
health_hsda(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
force	Should you force download the data?

Value

The spatial layer of `health_hsda` as an `sf` object.

Source

```
bcdata::bcdata_get_data(record = '71c930b9-563a-46da-a10f-ead49ccbc390', resource = 'c5dad467-229b-4378-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:
my_layer <- health_hsda()

## End(Not run)
```

health_lha

Local Health Area Boundaries

Description

Local Health Area Boundaries

Usage

```
health_lha(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
force	Should you force download the data?

Value

The spatial layer of `health_lha` as an `sf` object.

Source

```
bcdata::bcdata_get_data(record = 'afd021d9-7722-4410-b506-d394c66e74fc', resource = 'd6e951d3-5103-475a-
```

See Also

Other BC layers: `airzones()`, `bc_bound()`, `bc_bound_hres()`, `bc_cities()`, `bec()`, `census_dissemination_area()`, `census_dissemination_block()`, `census_division()`, `census_economic()`, `census_metropolitan_area()`, `census_subdivision()`, `census_tract()`, `ecoprovinces()`, `ecoregions()`, `ecosections()`, `fsa()`, `gw_aquifers()`, `health_chsa()`, `health_ha()`, `health_hsa()`, `hydrozones()`, `mapsheets_250K()`, `mapsheets_50K()`, `municipalities()`, `nr_areas()`, `nr_districts()`, `nr_regions()`, `regional_districts()`, `tsa()`, `water_districts()`, `water_precincts()`, `watercourses_15M()`, `watercourses_5M()`, `wsc_drainages()`

Examples

```
## Not run:
my_layer <- health_lha()

## End(Not run)
```

hydrozones

Hydrologic Zone Boundaries of British Columbia

Description

Hydrologic Zone Boundaries of British Columbia

Usage

```
hydrozones(ask = interactive(), force = FALSE)
```

Arguments

<code>ask</code>	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
<code>force</code>	Should you force download the data?

Value

The spatial layer of hydrozones as an `sf` object.

Source

```
bcdata::bcdata_get_data(record = '329fd234-8835-4d44-9aaa-97c37bfc8d92', resource = 'baeb665e-85c7-4a7b-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsdA\(\)](#), [health_lha\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:
my_layer <- hydrozones()

## End(Not run)
```

mapsheets_250K

NTS 250K Grid - Digital Baseline Mapping at 1:250,000 (NTS)

Description

NTS 250K Grid - Digital Baseline Mapping at 1:250,000 (NTS)

Usage

```
mapsheets_250K()
```

Value

The spatial layer of mapsheets_250K as an sf object.

Source

<https://open.canada.ca/data/en/dataset/055919c2-101e-4329-bfd7-1d0c333c0e62>

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsdA\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:  
my_layer <- mapsheets_250K()  
  
## End(Not run)
```

mapsheets_50K

NTS 50K Grid - Digital Baseline Mapping at 1:50,000 (NTS)

Description

NTS 50K Grid - Digital Baseline Mapping at 1:50,000 (NTS)

Usage

```
mapsheets_50K()
```

Value

The spatial layer of mapsheets_50K as an sf object.

Source

<https://open.canada.ca/data/en/dataset/055919c2-101e-4329-bfd7-1d0c333c0e62>

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:  
my_layer <- mapsheets_50K()  
  
## End(Not run)
```

municipalities	<i>British Columbia Municipalities</i>
----------------	--

Description

British Columbia Municipalities

Usage

```
municipalities(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
force	Should you force download the data?

Value

The spatial layer of municipalities as an sf object.

Source

```
bcdata::bcdata_get_data(record = 'e3c3c580-996a-4668-8bc5-6aa7c7dc4932', resource = '25c95b07-5882-47ff-
```

See Also

[combine_nr_rd\(\)](#) to combine Regional Districts and the Northern Rockies Regional Municipality into one layer

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:
my_layer <- municipalities()

## End(Not run)
```

`nr_areas`*British Columbia Natural Resource (NR) Areas*

Description

British Columbia Natural Resource (NR) Areas

Usage

```
nr_areas(ask = interactive(), force = FALSE)
```

Arguments

<code>ask</code>	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
<code>force</code>	Should you force download the data?

Value

The spatial layer of `nr_areas` as an `sf` object.

Source

```
bcdata::bcdbc_get_data(record = 'c1861ba4-abb8-4947-b3e5-7f7c4d7257d5', resource = '4b317896-1a42-4c03-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsa\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:  
my_layer <- nr_areas()  
  
## End(Not run)
```

`nr_districts`*British Columbia Natural Resource (NR) Districts*

Description

British Columbia Natural Resource (NR) Districts

Usage

```
nr_districts(ask = interactive(), force = FALSE)
```

Arguments

<code>ask</code>	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
<code>force</code>	Should you force download the data?

Value

The spatial layer of `nr_districts` as an `sf` object.

Source

```
bcdata::bcdata_get_data(record = '0bc73892-e41f-41d0-8d8e-828c16139337', resource = 'e6676e55-2a6f-4b2b-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsa\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:  
my_layer <- nr_districts()  
  
## End(Not run)
```

nr_regions	<i>British Columbia Natural Resource (NR) Regions</i>
------------	---

Description

British Columbia Natural Resource (NR) Regions

Usage

```
nr_regions(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
force	Should you force download the data?

Value

The spatial layer of `nr_regions` as an `sf` object.

Source

```
bcdata::bcdata_get_data(record = 'dfc492c0-69c5-4c20-a6de-2c9bc999301f', resource = 'ec636f64-9c5f-4704-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsa\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:  
my_layer <- nr_regions()  
  
## End(Not run)
```

raster_by_poly	<i>Overlay a SpatialPolygonsDataFrame or sf polygons layer on a raster layer and clip the raster to each polygon. Optionally done in parallel</i>
----------------	---

Description

Overlay a SpatialPolygonsDataFrame or sf polygons layer on a raster layer and clip the raster to each polygon. Optionally done in parallel

Usage

```
raster_by_poly(
  raster_layer,
  poly,
  poly_field,
  summarize = FALSE,
  parallel = FALSE
)
```

Arguments

raster_layer	the raster layer
poly	a SpatialPolygonsDataFrame layer or sf layer
poly_field	the field on which to split the SpatialPolygonsDataFrame
summarize	Should the function summarise the raster values in each polygon to a vector? Default FALSE
parallel	process in parallel? Default FALSE. If TRUE, it is up to the user to call <code>future::plan()</code> (or set <code>options</code>) to specify what parallel strategy to use.

Value

a list of RasterLayers if summarize = FALSE otherwise a list of vectors.

regional_districts	<i>British Columbia Regional Districts</i>
--------------------	--

Description

British Columbia Regional Districts

Usage

```
regional_districts(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of interactive().
force	Should you force download the data?

Value

The spatial layer of regional_districts as an sf object.

Source

bcdata::bcdata_get_data(record = 'd1aff64e-dbfe-45a6-af97-582b7f6418b9', resource = '57c7f719-dc87-415c-

See Also

[combine_nr_rd\(\)](#) to combine Regional Districts and the Northern Rockies Regional Municipality into one layer

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:
my_layer <- regional_districts()

## End(Not run)
```

summarize_raster_list *Summarize a list of rasters into a list of numeric vectors*

Description

Summarize a list of rasters into a list of numeric vectors

Usage

```
summarize_raster_list(raster_list, parallel = FALSE)
```

Arguments

`raster_list` list of rasters

`parallel` process in parallel? Default FALSE. If TRUE, it is up to the user to call `future::plan()` (or set `options`) to specify what parallel strategy to use.

Value

a list of numeric vectors

`transform_bc_albers` *Transform a Spatial* object to BC Albers projection*

Description

The `Spatial` method has been removed as of `bcmaps 2.0.0`. The `sf` method is here to stay.

Usage

```
transform_bc_albers(obj)
```

Arguments

`obj` The `sf` object to transform.

Value

the `sf` object in BC Albers projection

`tsa` *British Columbia Timber Supply Areas and TSA Blocks*

Description

British Columbia Timber Supply Areas and TSA Blocks

Usage

```
tsa(ask = interactive(), force = FALSE)
```

Arguments

`ask` Should the function ask the user before downloading the data to a cache? Defaults to the value of `interactive()`.

`force` Should you force download the data?

Value

The spatial layer of tsa as an sf object.

Source

```
bcdata::bcdata_get_data(record = '8daa29da-d7f4-401c-83ae-d962e3a28980', resource = '6851f8a6-77b9-4555-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:
my_layer <- tsa()

## End(Not run)
```

utm_convert

Convert a data.frame of UTM coordinates to an sf object with a single CRS

Description

This can operate on a data frame containing coordinates from multiple UTM zones with a column denoting the zone, or a single zone for the full dataset.

Usage

```
utm_convert(
  x,
  easting,
  northing,
  zone,
  crs = "EPSG:3005",
  datum = c("NAD83", "WGS84"),
  xycols = TRUE
)
```

Arguments

x	data.frame containing UTM coordinates, with a zone column
easting	the name of the 'easting' column
northing	the name of the 'northing' column
zone	the name of the 'zone' column, or a single value if the data are all in one UTM zone
crs	target CRS. Default BC Albers (EPSG:3005)
datum	The datum of the source data. "NAD83" (Default) or "WGS84"
xycols	should the X and Y columns be appended to the output? TRUE or FALSE

Details

It supports data collected in either the NAD83 or WGS84 ellipsoid in the Northern hemisphere

Value

sf object in the chosen CRS

Examples

```
# Data with multiple zones, and a column denoting the zone
df <- data.frame(
  animalid = c("a", "b", "c"),
  zone = c(10, 11, 11),
  easting = c(500000, 800000, 700000),
  northing = c(5000000, 3000000, 1000000)
)
utm_convert(df, easting = "easting", northing = "northing", zone = "zone")

# Data all in one zone, specify a single zone:
df <- data.frame(
  animalid = c("a", "b"),
  easting = c(500000, 800000),
  northing = c(5000000, 3000000)
)
utm_convert(df, easting = "easting", northing = "northing", zone = 11)
```

vrt_files

List the files that a vrt is built on

Description

List the files that a vrt is built on

Usage

```
vrt_files(vrt, omit_vrt = FALSE)
```

Arguments

vrt path to a .vrt file
 omit_vrt omit the listing of the original vrt. Default FALSE

Value

character vector of tiles

vrt_info *Get metadata about a .vrt file*

Description

Get metadata about a .vrt file

Usage

```
vrt_info(vrt, options = character(0), quiet = FALSE)
```

Arguments

vrt path to a .vrt file
 options options to pass to gdalinfo. See [here](#) for possible options.
 quiet suppress output to the console (default FALSE)

Value

character of vrt metadata

water_districts *British Columbia's Water Management Districts*

Description

British Columbia's Water Management Districts

Usage

```
water_districts(ask = interactive(), force = FALSE)
```

Arguments

ask Should the function ask the user before downloading the data to a cache? Defaults to the value of interactive().
 force Should you force download the data?

Value

The spatial layer of water_districts as an sf object.

Source

```
bcdata::bcdata_get_data(record = '92cb3ad8-9582-48a9-9e79-9a9d33601e50', resource = '07f9aa3f-0b66-4a49-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsa\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:
my_layer <- water_districts()

## End(Not run)
```

water_precincts

British Columbia's Water Management Precincts

Description

British Columbia's Water Management Precincts

Usage

```
water_precincts(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of interactive().
force	Should you force download the data?

Value

The spatial layer of water_precincts as an sf object.

Source

```
bcdata::bcdata_get_data(record = 'b5f436b4-532c-4ee2-ba27-90d55ec8c73f', resource = 'e482fd4a-be58-4541-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:
my_layer <- water_precincts()

## End(Not run)
```

 watercourses_15M

British Columbia watercourses at 1:15M scale

Description

British Columbia watercourses at 1:15M scale

Usage

```
watercourses_15M(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
force	Should you force download the data?

Value

The spatial layer of `watercourses_15M` as an `sf` object.

Source

https://ftp.maps.canada.ca/pub/nrcan_rncan/vector/canvec/fgdb/Hydro/canvec_15M_CA_Hydro_fgdb.zip

See Also

Other BC layers: `airzones()`, `bc_bound()`, `bc_bound_hres()`, `bc_cities()`, `bec()`, `census_dissemination_area()`, `census_dissemination_block()`, `census_division()`, `census_economic()`, `census_metropolitan_area()`, `census_subdivision()`, `census_tract()`, `ecoprovinces()`, `ecoregions()`, `ecosections()`, `fsa()`, `gw_aquifers()`, `health_chsa()`, `health_ha()`, `health_hsda()`, `health_lha()`, `hydrozones()`, `mapsheets_250K()`, `mapsheets_50K()`, `municipalities()`, `nr_areas()`, `nr_districts()`, `nr_regions()`, `regional_districts()`, `tsa()`, `water_districts()`, `water_precincts()`, `watercourses_5M()`, `wsc_drainages()`

Examples

```
## Not run:
my_layer <- watercourses_15M()

## End(Not run)
```

watercourses_5M

British Columbia watercourses at 1:5M scale

Description

British Columbia watercourses at 1:5M scale

Usage

```
watercourses_5M(ask = interactive(), force = FALSE)
```

Arguments

<code>ask</code>	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
<code>force</code>	Should you force download the data?

Value

The spatial layer of `watercourses_5M` as an `sf` object.

Source

https://ftp.maps.canada.ca/pub/nrcan_rncan/vector/canvec/fgdb/Hydro/canvec_5M_CA_Hydro_fgdb.zip

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [wsc_drainages\(\)](#)

Examples

```
## Not run:
my_layer <- watercourses_5M()

## End(Not run)
```

wsc_drainages

Water Survey of Canada Sub-Sub-Drainage Areas

Description

Water Survey of Canada Sub-Sub-Drainage Areas

Usage

```
wsc_drainages(ask = interactive(), force = FALSE)
```

Arguments

ask	Should the function ask the user before downloading the data to a cache? Defaults to the value of <code>interactive()</code> .
force	Should you force download the data?

Value

The spatial layer of `wsc_drainages` as an `sf` object.

Source

```
bcdata::bcdata_get_data(record = '7ae18a3c-917b-4cb1-9aa8-51a172475dbb', resource = '4455072e-d33b-4685-
```

See Also

Other BC layers: [airzones\(\)](#), [bc_bound\(\)](#), [bc_bound_hres\(\)](#), [bc_cities\(\)](#), [bec\(\)](#), [census_dissemination_area\(\)](#), [census_dissemination_block\(\)](#), [census_division\(\)](#), [census_economic\(\)](#), [census_metropolitan_area\(\)](#), [census_subdivision\(\)](#), [census_tract\(\)](#), [ecoprovinces\(\)](#), [ecoregions\(\)](#), [ecosections\(\)](#), [fsa\(\)](#), [gw_aquifers\(\)](#), [health_chsa\(\)](#), [health_ha\(\)](#), [health_hsda\(\)](#), [health_lha\(\)](#), [hydrozones\(\)](#), [mapsheets_250K\(\)](#), [mapsheets_50K\(\)](#), [municipalities\(\)](#), [nr_areas\(\)](#), [nr_districts\(\)](#), [nr_regions\(\)](#), [regional_districts\(\)](#), [tsa\(\)](#), [water_districts\(\)](#), [water_precincts\(\)](#), [watercourses_15M\(\)](#), [watercourses_5M\(\)](#)

Examples

```
## Not run:  
my_layer <- wsc_drainages()  
  
## End(Not run)
```

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