

Package: cbssuitabilityhaiti (via r-universe)

October 11, 2026

Title Sanitation Zoning and Water Points, Cap Haitien, Haiti 2015-2022

Version 0.0.1

Description This package contains data for a sanitation zoning assessment of Cap Haitien, Haiti, used for an analysis of the suitability of container-based sanitation (CBS). It combines two datasets: neighbourhood level zoning data from a 2022 sanitation zoning assessment, covering Cap Haitien and five other communes in Haiti, and the locations of 1849 water points in the Cap Haitien area from the mWater platform, added between 2015 and 2022.

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Depends R (>= 2.10)

LazyData true

Language en-GB

Date 2023-09-19

Config/Needs/website rmarkdown, tidyverse, here, sf, tmap, spData, janitor, devtools

Suggests tmap

URL <https://github.com/openwashdata/cbssuitabilityhaiti>

BugReports <https://github.com/openwashdata/cbssuitabilityhaiti/issues>

X-schema.org-keywords open data, washdata, sanitation, sanitation zoning, container-based sanitation, water points, urban planning, Cap Haitien, Haiti

X-schema.org-spatialCoverage Cap Haitien and five other communes (Canaan, Croix-des-Bouquets, Jeremie, Les Cayes, Mirebalais), Haiti

X-schema.org-temporalCoverage 2015-07-24/2022-12-31

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mwater	<i>Location of different water points in Cap Haitien, Haiti</i>
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Description

This data includes water point data from the mWater platform. Water points are for the city Cap Haitien, Haiti in 2022. The data collection and characterization was done between 2015 and 2022.

Usage

mwater

Format

A tibble with 1849 rows and 7 variables:

latitude Latitude coordinate

longitude Longitude coordinate

administra Communal section- smallest administrative unit in Haiti

type Type of water access point

date_added Date water access point was added to mWater

datasets Dataset in mWater that point is part of, including organization that is responsible for data

geometry Geospatial data of the different access points that were added to mWater

okap

*Sanitation zoning assessment data***Description**

This data includes data from a sanitation zoning report done for the city of Cap Haitien, Haiti in 2022. Additionally, it contains spatial data about the neighborhoods of Cap Haitien and five other communes in Haiti (Canaan, Croix-des-Bouquets, Jeremie, Les Cayes, Mirebalais).

Usage

okap

Format

A tibble with 198 rows and 13 variables:

neighborho Unique identifying number for each neighborhood unit

name Name of each neighborhood unit

sup_km2 Area of neighborhood in square km

cte Name of commune (administrative unit in Haiti)

economy Categorical socioeconomic status (low, medium)

sup_bati_km2 area of neighborhood covered by buildings in square kilometers

density Categorical population density (least dense, somewhat dense, dense, very dense, most dense)

aptitude suitability of the site for a wastewater treatment system

zoning "group" if collective or grouped sanitation is possible in short term.

latrine Suggested pit latrine and septic allowance (allowed, not allowed)

density_ra Categorical population density according to the description of the variable "density" (values from 1 to 5)

economy_nu Categorical socioeconomic status according to the description of the variable "economy" (1 = medium, 2 = low)

geometry Geospatial data of the neighborhood stored as a polygon

Source

These data were developed under the USAID Water and Sanitation Project in collaboration with the Cap-Haitian municipal government and DINEPA. These data do not reflect the opinion of USAID or the US Government.

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