

NOAA's Coastal Assessment and Data Synthesis System

Reference Tables

Dataset Description

The reference tables consist of 5 files containing 'basic' information for some core geographic files (primarily area values for the land and water components of each location). Additionally the files contain standard area names, and some intersection information (particularly within the hydrologic-unit file). They are intended to be associated (linked) to core geographies with or without the addition of topic-specific datasets.

To view the data dictionary of each dataset, click on the links below or refer to NOAA's Coastal Assessment and Data Synthesis System (<http://cads.nos.noaa.gov>).

- 1) Coastal and Upstream Watersheds (from NOAA's Coastal Assessment Framework),
(http://spo.nos.noaa.gov/projects/cads/data_references/references/reference_eda_h_dict.html)
- 2) Whole Watersheds (Coastal and Upstream Watersheds as one record – from CAF)
(http://spo.nos.noaa.gov/projects/cads/data_references/references/reference_watershed_h_dict.html)
- 3) Hydrologic Cataloging Units (8-digit sub-watersheds from the U.S. Geological Survey and a building block of NOAA's CAF),
(http://spo.nos.noaa.gov/projects/cads/data_references/references/reference_huc_h_dict.html)
- 4) Counties, and
(http://spo.nos.noaa.gov/projects/cads/data_references/references/reference_cnty_h_dict.html)
- 5) States (aggregated from Counties).
(http://spo.nos.noaa.gov/projects/cads/data_references/references/reference_st_h_dict.html)

Source(s) of Information

Coastal Assessment Framework (CAF), 1999
Special Projects, NOS, NOAA
1305 East West Highway, SSMC4, 9th Floor
Silver Spring, MD 20910

Hydrologic Unit Maps
U.S. Geological Survey Water-Supply Paper 2294
Office of Water Data Coordination
By Paul R. Seaber, F. Paul Kapinos, and George L. Knapp

Reach File 1 RF1
US Environmental Protection Agency
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Data Processing

Attributes of the Coastal and Upstream Watersheds (EDA) and whole Watersheds were obtained from NOAA's Coastal Assessment Framework (CAF), which is a major feature of the Coastal Assessment and Data Synthesis (CA&DS) System.

Names and areas (land, water, and lakes) for USGS hydrologic cataloging units (HUC) were obtained from NOAA's CAF and Lakes geographies respectively. Lake areas were calculated for each HUC and subtracted from the CAF land area. The HUC reference file also contains the HUC area and name as reported by USGS. Additional attributes in the HUC file (e.g., EDASUBEDA, DR_CODE and REGION) were developed from the CAF. Bisected HUCs, (i.e., those located within more than one Estuary, Estuarine component [Coastal vs Upstream], or CA&DS Region) are so attributed and listed.

HUC outlets to coastal waters were identified using the EPA's Reach File 1 (RF1) as enhanced by the Special Projects Office. Additionally, the reach-routing scheme was attributed by using the RF1 file, and allows the user to identify which HUC flows to which HUC and the total drainage area at the terminous of each HUC.

Attributes of the County and State reference tables were obtained from NOAA's County and State geographies in CA&DS respectively, and originates with the United States Geological Service (USGS). Using the Lake geography in CA&DS, lake areas were calculated in each County and State and subtracted from the County and State land area respectively. A CA&DS region code is also associated to each of these files. If the County or State was bisected by CA&DS Regions, it is so attributed.

Contact(s) for Data Processing:

For expert assistance with the data processing techniques used in developing this data, please contact;

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Quality Control

None

Citation:

Coastal Assessment and Data Synthesis System Reference Tables.). [Coastal Assessment and Data Synthesis \(CA&DS\) System](#), 1999. National Coastal Assessments (NCA) Branch, [Special Projects Office \(SPO\)](#), National Ocean Service ([NOS](#)), National Oceanic and Atmospheric Administration ([NOAA](#)). Silver Spring, Maryland.

Applicable Digital Geography

The data are associated to distinct spatial aggregations. Geographic Information System (GIS) digital geographies are available for associating these data to their appropriate spatial aggregations. The following GIS files apply to and should be used with these data during GIS processing. To download the data or an applicable digital geography, click on the links below.

Dataset Spatial Aggregation	Applicable GIS file(s)
Coastal Watersheds	ftp://sposerver.nos.noaa.gov/datasets/CADS/GIS_Files/ShapeFiles/caf/
Total Watersheds	ftp://spo.nos.noaa.gov/datasets/CADS/GIS_Files/ShapeFiles/caf/us_all_areas_land_only/
Hydrologic Cataloging Units	ftp://sposerver.nos.noaa.gov/datasets/CADS/GIS_Files/ShapeFiles/caf/original_caf
Counties	ftp://sposerver.nos.noaa.gov/datasets/CADS/GIS_Files/ShapeFiles/counties
States	ftp://sposerver.nos.noaa.gov/datasets/CADS/GIS_Files/ShapeFiles/states

For Additional Information:

For additional information, refer to NOAA's [Coastal Assessment and Data Synthesis \(CA&DS\) System](#), or contact;

The [CA&DS](#) team.
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