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Watershed Boundary Dataset (WBD)

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California Department of Water Resources

Website: <https://water.ca.gov/> The Department of Water Resources (DWR) is responsible for managing and protecting California's water resources. DWR works with other agencies to...

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Watershed Boundary Dataset (WBD)

The Watershed Boundary Dataset (WBD) from The National Map (TNM) defines the perimeter of drainage areas formed by the terrain and other landscape characteristics. The drainage areas are nested within each other so that a large drainage area, such as the Sacramento River, will be composed of multiple smaller drainage areas, such as the Feather River. Each of these smaller areas can further be subdivided into smaller and smaller drainage areas. The WBD uses six different levels in this hierarchy, with the smallest averaging about 30,000 acres. The WBD is made up of polygons nested into six levels of data respectively defined by Regions, Subregions, Basins, Subbasins, Watersheds, and Subwatersheds. For additional information on the WBD, go to <https://www.usgs.gov/core-science-systems/ngp/national-hydrography/watershed-boundary-dataset> (<https://www.usgs.gov/core-science-systems/ngp/national-hydrography/watershed-boundary-dataset>). DWR is the steward for NHD and WBD in California. We work with other organizations to edit and improve NHD and WBD, using the business rules for California. California's improvements are sent to USGS for certification and incorporation to the national geodatabase. The certified WBD is included within the National Hydrography Dataset downloadable file geodatabase, and is also available in shapefile format and as web map services accessible from the USGS website. (<https://www.usgs.gov/core-science-systems/ngp/national-hydrography/access-national-hydrography-products>) (<https://www.usgs.gov/core-science-systems/ngp/national-hydrography/access-national-hydrography-products>))

Data and Resources

USGS - WBD Direct Download (/dataset/watershed-boundary-dataset-wbd/resource/87495f37-c6e0-47e8-a390-6fedd63dac78)

USGS amazon cloud server directory - use this if you know which HU2 (2-digit...

url=https://data.ca.gov/dataset/watershed-boundary-dataset-wbd)

License

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(<http://www.opendefinition.org/licenses/by>).



(<http://opendefinition.org/okd/>).

National Hydrography Overlay Map Service...

(/dataset/watershed-boundary-dataset-wbd/resource/565f5257-5b98-4101-8d82-c1c19f91afc7)

An ArcGIS overlay map mervice for visualizing hydrographic features.

California WBD Stewardship Website (/dataset/watershed-boundary-dataset-wbd/resource/249e8bba-0935-482d-a7b7-80a9dba84167)

DWR is the steward for NHD and Watershed Boundary Dataset (WBD) in...

USGS WBD Website (/dataset/watershed-boundary-dataset-wbd/resource/ed72c386-06d7-4932-9f85-940e5fef90f3)

WBD_HUC8_CA Feature Service (/dataset/watershed-boundary-dataset-wbd/resource/808d50b0-29a8-481d-b1d2-7478db8f2b60)

The 140 Hydrologic Unit Code 8 subbasins of the Watershed Boundary Dataset...

California WBD Fact Sheet, updated 2019

(/dataset/watershed-boundary-dataset-wbd/resource/5dc21466-aa47-42da-860e-79b86e567fc8)

A two-pager that describes the efforts to create and certify the Watershed...

Final Letter to MOU Signatories Regarding the...

(/dataset/watershed-boundary-dataset-wbd/resource/a1162568-89ac-41d3-b206-d738ea22cb13)

The Calwater dataset was created under a Memorandum of Understanding (MOU)...

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drainage (/dataset/?tags=drainage)

huc (/dataset/?tags=huc)

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Additional Info

📄 Download (/metadata_download/watershed-boundary-dataset-wbd)

Field	Value
Public Access Level	Public
Rights	No restrictions on public use
Program Contact Name	Jane Schafer-Kramer, California WBD Steward
Program Contact Email	nhd_stewardship@water.ca.gov (mailto:nhd_stewardship@water.ca.gov)
Frequency	Irregular
Temporal Coverage	N/A
Spatial	{"type":"Polygon","coordinates": [[[-124.649089,32.390269], [-124.649089,42.192351], [-114.111759,42.192351], [-114.111759,32.390269], [-124.649089,32.390269]]]}
Source Link	https://www.usgs.gov/core-science-systems/ngp/national-hydrography/watershed-boundary-dataset?qt-science_support_page_related_con=4#qt-science_support_page_related_con (https://www.usgs.gov/core-science-systems/ngp/national-hydrography/watershed-boundary-dataset?qt-science_support_page_related_con=4#qt-science_support_page_related_con)
Last Updated	April 2, 2024, 9:24 PM (UTC-07:00)
Created	August 10, 2023, 6:22 PM (UTC-07:00)
DCAT Issued Date	2018-03-01T17:17:51.545641
DCAT Modified Date	2023-08-11T00:09:26.219555

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[API Documentation \(https://docs.ckan.org/en/2.9/api/\)](https://docs.ckan.org/en/2.9/api/)

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