HydroBase Web Tools

Through a joint effort between the Division of Water Resources and the Colorado Water Conservation Board a new generation of data query and reporting tools is now available online.   These enable users to retrieve Division of Water Resources' water data contained within HydroBase; including streamflows, lake levels, water rights, diversion records, calls, etc. Additionally, tools like the CDSS Map Viewer provide users a spatial toolset to retrieve and analyze information.

HydroBase web tools may be divided into two classes: **Tabular Data Query Tools**, which return textual, tabular data; and **Geospatial Information Mapping Tools**, which use a GIS interface to display and retrieve data.

All of the tools may be accessed from the "Colorado's Decision Support Systems" (CDSS) homepage - http://cdss.state.co.us. On the menu bar of that page there is a "**View Data**" item and "**Map Viewer**" item. Under "View Data" are all of the tabular data query tools, and "Map Viewer" is a link to the geospatial information mapping tools.

Following is a list of the tools, divided into these categories.

Tabular Data Query Tools

ADMINISTRATION: Active Calls	http://cdss.state.co.us
Description	This tool provides a summary of the active calls currently being administered.
Search Criteria	Division; call status (All or Active), Date Range, Water Source, and Structure.
Full URL	http://cdss.state.co.us/DNN/ActiveCalls/tabid/72/Default.aspx

ADMINISTRATION: Streamflow Stations (real-time data)	http://www.dwr.state.co.us
Description	Provisional stream gauge and ditch measurement data collected from a network of satellite stations across the state of Colorado and the west. The tool provides a list of stations for which to retrieve streamflow information, and a list of "quick links" of criteria. Station information presented includes a 10-day graph of flows and the ability to view the last 3 days of real-time data.
Search Criteria	Colorado counties, water divisions, and water districts.
Full URL	http://www.dwr.state.co.us

ADMINISTRATION: Water Information Sheets	http://cdss.state.co.us
Description	This tool provides an administrative summary detailing how a water district is currently being administered by the water commissioner.
Search Criteria	Water district and date.
Full URL	http://cdss.state.co.us/DNN/WaterInformationSheets/tabid/77/Default.aspx

Call Chronology	http://cdss.state.co.us
Description	This tool provides a history of administrative calls placed on the river.
Search Criteria	Division, Date Range, Water Source, and Structure.
Full URL	http://cdss.state.co.us/DNN/CallChronology/tabid/73/Default.aspx

Climate Data	http://cdss.state.co.us
Description	This tool provides access to daily and monthly climate data; including evaporation, temperature, precipitation and snow depth data from the Nation Oceanic & Atmospheric Administration (NOAA) and the Colorado Agricultural Meteorological Network (COAGMET) for the state of Colorado. Graph, detailed report, and export options are available.
Search Criteria	Division, Station Name, Station ID, County, and HUC.
Full URL	http://cdss.state.co.us/DNN/ClimateData/tabid/61/Default.aspx

Groundwater: Other Data	http://cdss.state.co.us
Description	This tool returns physical characteristic information collected about wells - Driller log information, Geophysical log readings, pumping tests, and volcanic material information (when available). Detailed reports are available.
Search Criteria	Division, District, Well Name, Permit Number, Location Number, USGS Site ID, Legal Location, and Aquifer.
Full URL	http://cdss.state.co.us/DNN/GroundwaterOther/tabid/84/Default.aspx

Groundwater: Water Levels	http://cdss.state.co.us
Description	This tool provides a detailed information set about wells. Information includes location data, aquifer, elevation, depth, and permit dates. Time-series data includes historic water level readings. Detailed report and export options are available.
Search Criteria	Division, District, Well Name, Permit Number, Location Number, USGS Site ID, Legal Location, Designated Basin, and Aquifer.
Full URL	http://cdss.state.co.us/DNN/GroundwaterWaterLevels/tabid/83/Default.aspx

Streamflow Stations	http://cdss.state.co.us
Description	This tool provides access to historic daily and monthly published streamflows and gage data from the DWR and the USGS. Graph, detailed report, and export options are available.
Search Criteria	Station Name, Station ID, SEO Abbreviation, County, and Hydrologic Unit Code (HUC).
Full URL	http://cdss.state.co.us/DNN/StationsStreamflow/tabid/74/Default.aspx

Structures	http://cdss.state.co.us
Description	This tool provides information about diversion structures, reservoirs, and dams (non-jurisdictional and jurisdictional). Detailed reports include information about water rights, irrigated lands and diversion records.
Search Criteria	Name, ID, Water Source, Legal Location, Decreed Amounts, Owner Name, and Water Court Case Number.
Full URL	http://cdss.state.co.us/DNN/Structures/tabid/75/Default.aspx

Water Rights	http://cdss.state.co.us
Description	This tool provides access to tabulated water rights. Information available includes a transaction list of all actions taken, as well as a summary showing the net amounts remaining for a water right.
Search Criteria	Water Right Name, Case Number, (Water) Source, Priority Number, Legal Location, Decreed Use, Decreed Amounts, and Structure ID.
Full URL	http://cdss.state.co.us/DNN/WaterRights/tabid/76/Default.aspx

Geospatial Information Mapping Tools

Map Viewer	http://cdss.state.co.us
Description	Map Viewer is a GIS application providing a multi-layered map interface for accessing water information throughout the State of Colorado. Users may activate different map layers to retrieve information about items identified on the map. Some layers are (including, but not limited to) rivers, lakes and reservoirs, alluvial aquifers, designated basins, management districts, gages, diversions, etc.
Full URL	http://cdss.state.co.us/DNN/MapViewer/tabid/62/Default.aspx