

## Dam Safety – Jurisdictional Dam Data Dictionary

This document describes the Dam Safety - Jurisdictional Dam dataset in the Colorado Information Marketplace.

A Jurisdictional Dam is a dam creating a reservoir with a capacity of more than 100 acre-feet, or creates a reservoir with a surface area in excess of 20 acres at the high-water line, or exceeds 10 feet in height measured vertically from the elevation of the lowest point of the natural surface of the ground where that point occurs along the longitudinal centerline of the dam up to the crest of the emergency spillway of the dam. For reservoirs created by excavation, or where the invert of the outlet conduit is placed below the surface of the natural ground at its lowest point beneath the dam, the jurisdictional height shall be measured from the invert of the outlet at the longitudinal centerline of the embankment or from the bottom of the excavation at the longitudinal centerline of the dam, whichever is greatest. Jurisdictional height is defined in Rule 4.2.19. The State Engineer shall have final authority over determination of the jurisdictional height of the dam.

### Data Dictionary

Field Name	Description	Data Type
DAMID	Unique SEO Dam ID	Text
Dam Name	Official name of the Dam	Text
Other Dam Names	Names other than the official name (i.e., reservoir name) of the dam in common use.	Text
NID ID	National Inventory of Dams ID (USACE)	Text
WDID	SEO Administrative Structure WDID for the reservoir.	Text
Physical Status	Indicates physical status of dam	Text
DIV	Division where the Dam is located.	Number
WD	Water District where the Dam is located.	Number
County	County where the Dam is located.	Text
PM	Principle Meridian.	Text
Township	Township	Text
Range	Range	Text
Section	Section	Number

Q160	160 acre quarter section indicator.	Text
Q40	40 acre quarter section indicator.	Text
UTM x	The x (Easting) component of the Universal Transverse Mercator system. (NAD83 datum)	Number
UTM y	The y (Northing) component of the Universal Transverse Mercator system. (NAD83 datum)	Number
Location Accuracy	Accuracy of UTM coordinates.	Text
Latdecdeg	Latitude (decimal degrees)	Number
Longdecdeg	Longitude (decimal degrees)	Number
Stream	Official name of the river or stream on which the dam is built. If the stream is unnamed, identify it as a tributary to a named river, e.g., Snake-TR. If the dam is located offstream, enter the name of the river or stream plus "-OS", e.g., Snake-OS.	Text
Downstream Town	Name of the nearest city, town, or village that is most likely to be affected by floods resulting from the failure of the dam.	Text
Town Distance	Distance from the dam to the nearest affected City/Town/Village, to the nearest mile (and tenth if appropriate).	Number
Year Completed	Year when the original main dam structure was completed.	Number
Purposes	The purposes for which the reservoir is used: <ul style="list-style-type: none"> <li>· I for Irrigation;</li> <li>· H for Hydroelectric;</li> <li>· C for Flood Control and Storm Water Management;</li> <li>· N for Navigation;</li> <li>· S for Water Supply;</li> <li>· R for Recreation;</li> <li>· P for Fire Protection, Stock, Or Small Farm Pond;</li> <li>· F for Fish and Wildlife Pond;</li> <li>· D for Debris Control;</li> <li>· T for Tailings;</li> <li>· O for Other.</li> </ul>	Text

	The order should indicate the relative decreasing importance of the purpose. Codes are concatenated if the dam has multiple purposes.	
Federal Land	Indicates whether dam is a non-federal dam located on federal property.	Text
Federal Regulations	Federally Owned Dam or private dam subject to federal regulations (i.e. FERC)	Text
Dam Type	<p>Indicates the type of dam:</p> <ul style="list-style-type: none"> <li>· RE for Earth;</li> <li>· ER for Rockfill;</li> <li>· PG for Gravity;</li> <li>· CB for Buttress;</li> <li>· VA for Arch;</li> <li>· MV for Multi-Arch;</li> <li>· CN for Concrete;</li> <li>· MS for Masonry;</li> <li>· ST for Stone;</li> <li>· TC for Timber Crib;</li> <li>· OT for Other.</li> </ul> <p>Codes are concatenated if the dam is a combination of several types. For example, the entry CNCB would indicate a concrete buttress dam type.</p>	Text
Dam Length	The length, in feet, of the dam which is defined as the length along the top of the dam. This also includes the spillway, power plant, navigation lock, fish pass, etc., where these form part of the length of the dam.	Number
Dam Height	The height of the dam, in feet to the nearest foot, which is defined as the vertical distance between the lowest point on the crest of the dam and the lowest point in the original streambed.	Number
Crest Elevation	The elevation above mean sea-level of the nearest foot of the crest of the dam.	Number
Normal Storage	The normal storage, in acre-feet, which is defined as the total storage space in a reservoir below the normal retention level, including dead and inactive storage and excluding any flood control or surcharge storage.	Number

Surface Area	The surface area, in acres, of the impoundment at its normal retention level.	Number
Drainage Area	The drainage area of the dam, in square miles, which is defined as the area that drains to a particular point (in this case, the dam) on a river or stream.	Number
Spillway Capacity	Combined capacity of all spillways on a dam in cubic-feet per second.	Number
Outlet Description	Type of outlet on a dam (i.e Steel pipe, Concrete pipe, Tunnel, etc.)	Text
Outlet Capacity	Capacity of the outlet in cubic-feet per second.	Number
Outlet Inspection	Date of the outlet inspection.	Date
Hazard Class	Hazard classification of the dam.	Text
EAP	Indicates whether this dam has an Emergency Action Plan (EAP) developed by the dam owner. An EAP is defined as a plan of action to be taken to reduce the potential for property damage and loss of life in an area affected by a dam failure or large flood. Y for Yes; N for No; NR for Not Required by submitting agency.	Text
EAP Date	Date Emergency Action Plan was submitted.	Date
EAP Inundation Map	Emergency Action Plan included an inundation map.	Text
Inundation Map Date	Date inundation map was created.	Date
Last Inspection Date	Date of the most recent inspection of the dam	Date
Overall Condition	Overall conditions on the dam as determined during the last inspection.	Text
Safe Storage	Recommended safe storage levels as determined during the last inspection.	Text
Inspector	Person or agency who performed the last inspection.	Text

Current Restriction	Flag indicating if Dam is currently under restriction. Contact the Division office for additional details.	Text
Primary Name	Person/Agency who owns the dam	Text
Primary Contact	Person representing the owner.	Text
Assigned To	The Dam Safety engineer assigned to the dam	Text
More Information	Link to Dam Safety web page.	URL
Location	Latitude/Longitude where the Dam is located. Used in Marketplace for mapping.	Location