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<metadata>
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<idinfo>
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<citation>
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<origin>American Rivers</origin>
```

```
<pubdate>20190220</pubdate>
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```
<title>American Rivers Dam Removal Database</title>
```

```
<onlink>https://doi.org/10.6084/m9.figshare.5234068</onlink>
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```
</citeinfo>
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</citation>
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```
<descript>
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```
<abstract>In the last century, the U.S. led the world in dam building for many purposes, including hydropower, irrigation, flood control and water storage. While dams can benefit society, they also cause considerable harm to rivers. Dams have depleted fisheries, degraded river ecosystems, and altered recreational opportunities on nearly all of our nation's rivers. Today, many dams that were once at the epicenter of a community's livelihood are now old, unsafe or no longer serving their intended purposes. American Rivers' Dam Removal Database includes all dam removals in the United States (of which we have been made aware) in which a significant portion of the dam has been removed for the full height of the dam, such that ecological function, natural river flow and fish passage can be restored at the site. This database is revised and updated annually with information provided by contributors across the country. The database may be used by anyone provided that citation is given to American Rivers and the DOI link is included.
```

Suggested Citation: American Rivers. 2019. Raw Dataset -

ARDamRemovalList_figshare_2017. figshare. Available:

<https://doi.org/10.6084/m9.figshare.5234068.v5>. Retrieved: TIME, DATE.</abstract>

```
<purpose>The U.S. Army Corps of Engineers has catalogued that at least 90,000 dams greater than six-feet tall are blocking our rivers and streams. There are tens of thousands of additional small dams that fall through the cracks of our national inventory. Dams fragment our nation's rivers, preventing fish from accessing historic habitat, impeding natural river processes, creating safety hazards and costing resources to maintain. The dam removal movement in the U.S. began to accelerate in the 1990s. This database tracks those projects as closely as possible in order to monitor the progress of dam removal over time across the country, among other things. American Rivers welcomes any feedback, including missing dams (or information on those that have been rebuilt), at any time.</purpose>
```

```
</descript>
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<timeperd>
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<timeinfo>
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<rngdates>
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<begdate>1912</begdate>
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<enddate>201812</enddate>
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</rngdates>
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</timeinfo>
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<current>range of years represented in database</current>
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</timeperd>

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<progress>Complete</progress>

<update>Annually</update>

</status>

<keywords>

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<themekt>None</themekt>

<themekey>dam removal</themekey>

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</keywords>

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<northbc>71.5</northbc>

<southbc>18.5</southbc>

</bounding>

</spdom>

<accconst>None. When using this dataset please cite using provided citation (in abstract).</accconst>

<useconst>This dataset is licensed under CC BY 4.0. Use of this dataset does not grant a license to the user, nor does it create a contractual relationship between the user and American Rivers, Inc. Users agree not to infringe on the intellectual property rights of American Rivers, Inc. Users must cite American Rivers, Inc., and include a link to the database's DOI in order to use this data in the public domain, including in maps. American Rivers, Inc. collects and curates this dataset annually. It is strongly recommended that these data are directly acquired from American Rivers, Inc. or figshare at <https://doi.org/10.6084/m9.figshare.5234068>, and not indirectly through other sources, which may have changed the data in some way.</useconst>

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  <cntinfo>
    <cntorgp>
      <cntorg>American Rivers</cntorg>
      <cntper>Jessie Thomas-Blate</cntper>
    </cntorgp>
    <cntpos>Associate Director of River Restoration</cntpos>
    <cntaddr>
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      <address>Suite 1400</address>
      <city>Washington </city>
      <state>D.C.</state>
      <postal>20005</postal>
      <country>USA</country>
    </cntaddr>
    <cntvoice>202.347.7550</cntvoice>
    <cntemail>jthomas@americanrivers.org</cntemail>
  </cntinfo>
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<native>Environment as of Metadata Creation: Microsoft Windows 10</native>
</idinfo>
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  </attracc>
  <logic>No formal logical accuracy tests were conducted.</logic>
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described in the abstract. Users are advised to read the rest of the metadata
record carefully for additional details. This information was developed from the
best documented information from available resources and contributors.</complete>
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    <horizpa>
      <horizpar>Locational accuracy was verified using Google Earth imagery and
available locational descriptions.</horizpar>
    </horizpa>
    <vertacc>
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    </vertacc>
  </posacc>
  <lineage>
    <procstep>
      <procdesc>American Rivers' Dam Removal Database is updated on an annual
basis. Each year, American Rivers sends an email to contacts involved in dam
removal across the United States soliciting information about dam removals using a
template. Occasionally, American Rivers is contacted by other stakeholders who are
aware of dam removals, in which case the same template is provided for completion
and addition to the database. Once the data is received, the data is standardized

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for consistent terminology, coordinates are converted to decimal degrees, and the data is incorporated into the full database. Once all data is compiled, it is uploaded annually as an addendum to figshare for public use.</procdesc>

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<procdate>2018</procdate>
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</dataqual>
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  <indspref>Latitude and Longitude fields are provided within the csv in decimal
degrees.</indspref>
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      <enttyp1>ARDamRemovalList_Figshare_2018.csv</enttyp1>
      <enttypd>Table containing dam removals and attributes about dams that have
been removed across the United States.</enttypd>
      <enttypds>Producer defined</enttypds>
    </enttyp>
    <attr>
      <attrlabl>AR_ID</attrlabl>
      <attrdef>A unique identifier for dam removals. State abbreviation followed
by numeric id. </attrdef>
      <attrdefs>Producer defined</attrdefs>
    </attr>
    <attr>
      <attrlabl>NID_ID</attrlabl>
      <attrdef>The official NID identification number for the dam, known formerly
as the National ID. This is a required field, and must have an entry for each dam
included in the NID. This field is used as the unique identifier for each dam
record. The first two characters of the identity are the state two-letter
abbreviation, based on the location of the dam. The last five characters of the
identity are a unique number (AB#####).The NID ID is the Corps Identification
Number assigned to each dam in the 1995-96 NID update, under the National Dam
Inspection Program (P.L. 92-367). Once assigned, this number should be not changed.
However, the following guidelines are provided for assignment of ID numbers for new
dams. Each new dam will be assigned an NID ID number by the state or federal
coordinator. NID ID numbers will not be reused. If a dam is retired or is otherwise
not longer in existence, that ID number is retired. The state coordinator is
responsible for assigning ID numbers for all dams, regardless of ownership. The
numbers may not necessarily be continuous, because of a previously established
scheme which assigned certain number ranges to federal agencies. Continued use of
this numbering scheme for new dams is at the discretion of the state coordinator.
Please contact ASDSO or USACE Dam Safety Team for further information on the
process of assigning NID ID numbers or if an alternative number sequence is
necessary to meet the needs of the state.</attrdef>
      <attrdefs>National Inventory of Dams Data Dictionary</attrdefs>
    </attr>
  </detailed>
</eainfo>
<attrdomv>
```

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<udom>The first two characters of the identity are the state two-letter abbreviation, based on the location of the dam. The last five characters of the identity are a unique number (AB#####).</udom>

</attrdomv>

</attr>

<attr>

<attrlabl>Dam_Name</attrlabl>

<attrdef>Dam name as provided by stakeholder. Some entries include alternative names.</attrdef>

<attrdefs>Producer defined</attrdefs>

</attr>

<attr>

<attrlabl>Year_Removed</attrlabl>

<attrdef>Year dam was removed, as provided by stakeholder. This field may contain dam removal start date and/or end date if removal occurs throughout several years. </attrdef>

<attrdefs>Producer defined</attrdefs>

</attr>

<attr>

<attrlabl>Latitude</attrlabl>

<attrdef>Decimal degrees of dam location prior to removal. </attrdef>

<attrdefs>Producer defined</attrdefs>

</attr>

<attr>

<attrlabl>Longitude</attrlabl>

<attrdef>Decimal degrees of dam location prior to removal.</attrdef>

<attrdefs>Producer defined</attrdefs>

</attr>

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<attrlabl>City_County</attrlabl>

<attrdef>Closest city or county to the dam removal site.</attrdef>

<attrdefs>Producer defined</attrdefs>

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<attr>

<attrlabl>River</attrlabl>

<attrdef>River in which removed dam was located.</attrdef>

<attrdefs>Producer defined</attrdefs>

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<attr>

<attrlabl>HUC8</attrlabl>

<attrdef>A unique name of the hydrologic unit (8 digit) from the USGS Watershed Boundary Dataset.</attrdef>

<attrdefs>USGS National Watershed Boundary Dataset</attrdefs>

</attr>

<attr>

<attrlabl>State</attrlabl>

<attrdef>State abbreviation as defined by USPS.</attrdef>

<attrdefs>USPS</attrdefs>

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in feet.</attrdef>
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in feet.</attrdef>
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  <attrdef>Year removed dam was built, as provided by stakeholder.</attrdef>
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  <attrdef>Designated use of dam prior to removal, as provided by
stakeholder.</attrdef>
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  <attrdef>Type of dam and/or material that comprised the removed
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  <attrdefs>Producer defined</attrdefs>
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  <attrlabl>Miles_Restored_US</attrlabl>
  <attrdef>River miles opened for fish passage upstream of the former dam
structure as reported by stakeholder.</attrdef>
  <attrdefs>Producer defined</attrdefs>
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  <attrlabl>Miles_Restored_DS</attrlabl>
  <attrdef>River miles opened for fish passage downstream of the former dam
structure as reported by stakeholder.</attrdef>
  <attrdefs>Producer defined</attrdefs>
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  <attrlabl>River_Miles_Reported</attrlabl>
  <attrdef>River miles opened for fish passage as reported by stakeholder
(may include only upstream or upstream plus downstream miles). Used from
1912-2017. In 2018, replaced by Miles_Restored_DS and
Miles_Restored_US.</attrdef>

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    <attrdefs>Producer defined</attrdefs>
  </attr>
  <attr>
    <attrlabl>Last_Updated</attrlabl>
    <attrdef>Date of latest update to dam removal record. Format
YYYYMMDD.</attrdef>
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tabular data associated with the data set. Please review the detailed descriptions
that are provided (the individual attribute descriptions) for information on the
values that appear as fields/table entries of the data set.</eaover>
  <eadetcit>The entity and attribute information was generated by the
individual and/or agency identified as the originator of the data set. Please
review the rest of the metadata record for additional details and
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accuracy or utility of the data on any other system or for general or scientific
purposes, nor shall the act of distribution constitute any such warranty. This
disclaimer applies both to individual and aggregate uses of the data. American
Rivers, Inc., shall not be held liable for improper or incorrect use of the data
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            <cntvoice>202.347.7550</cntvoice>
            <cntemail>jthomas@americanrivers.org</cntemail>
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