432,728 miles of streams are mapped in Arizona river basins in USGS's High Resolution National Hydrography Dataset. 24% of streams are mapped as Intermittent and 74% as Ephemeral.

Even where ephemeral streams are mapped in the NHD, many ephemeral stream channels visible on the ground are missing in the dataset. TU estimates an additional 0.6 miles of unmapped ephemeral streams exist for every mile of mapped stream in Arizona.

Waters of the United States
Arizona

% intermittent/ephemeral streams
NHD High Res

75% - 87%  98% - 99%
88% - 97%
100%
519,545 miles of streams are mapped in California river basins in USGS's High Resolution National Hydrography Dataset. 22% of streams are mapped as Intermittent and 67% as Ephemeral.

Even where ephemeral streams are mapped in the NHD, many ephemeral stream channels visible on the ground are missing in the dataset. TU estimates an additional 0.7 miles of unmapped ephemeral streams exist for every mile of mapped stream in California.

Waters of the United States California
% intermittent/ephemeral streams
NHD High Res
- 0% - 20%
- 21% - 40%
- 41% - 60%
- 61% - 80%
- 81% - 100%

Perennial - NHDHigh
Intermittent - NHDHigh
Ephemeral - NHDHigh
353,607 miles of streams are mapped in Colorado river basins in USGS’s High Resolution National Hydrography Dataset. 63% of streams are mapped as Intermittent and 25% as Ephemeral.

Even where ephemeral streams are mapped in the NHD, many ephemeral stream channels visible on the ground are missing in the dataset. TU estimates an additional 0.8 miles of unmapped ephemeral streams exist for every mile of mapped stream in Colorado.
57,107 miles of streams are mapped in Maine river basins in USGS’s High Resolution National Hydrography Dataset. 34% of streams are mapped as Intermittent. Ephemeral streams are not mapped in the state.

Even where ephemeral streams are mapped in the NHD, many ephemeral streams channels visible on the ground are missing in the dataset. TU estimates an additional 1.6 miles of unmapped ephemeral streams exist for every mile of mapped stream in Maine.
60,740 miles of streams are mapped in Michigan river basins in USGS’s High Resolution National Hydrography Dataset. 30% of streams are mapped as Intermittent. Ephemeral streams are not mapped in the state.

Even where ephemeral streams are mapped in the NHD, many ephemeral streams channels visible on the ground are missing in the dataset. TU estimates an additional 2.6 miles of unmapped ephemeral streams exist for every mile of mapped stream in Michigan.
106,420 miles of streams are mapped in Minnesota river basins in USGS's High Resolution National Hydrography Dataset. 58% of streams are mapped as Intermittent. Ephemeral streams are not mapped in the state.

Even where ephemeral streams are mapped in the NHD, many ephemeral streams channels visible on the ground are missing in the dataset. TU estimates an additional 1.9 miles of unmapped ephemeral streams exist for every mile of mapped stream in Minnesota.
437,330 miles of streams are mapped in Montana river basins in USGS's High Resolution National Hydrography Dataset. 79% of streams are mapped as Intermittent. Ephemeral streams are not mapped in most of the state. Even where ephemeral streams are mapped in the NHD, many ephemeral streams channels visible on the ground are missing in the dataset. TU estimates an additional 0.6 miles of unmapped ephemeral streams exist for every mile of mapped stream in Montana.
109,898 miles of streams are mapped in New York river basins in USGS's High Resolution National Hydrography Dataset. 29% of streams are mapped as Intermittent. Ephemeral streams are not mapped in the state.

Even where ephemeral streams are mapped in the NHD, many ephemeral streams channels visible on the ground are missing in the dataset. TU estimates an additional 1 mile of unmapped ephemeral streams exist for every mile of mapped stream in New York.
95,050 miles of streams are mapped in Pennsylvania river basins in USGS's High Resolution National Hydrography Dataset. 38% of streams are mapped as Intermittent. Ephemeral streams are not mapped in the state.

Even where ephemeral streams are mapped in the NHD, many ephemeral streams channels visible on the ground are missing in the dataset. TU estimates an additional 1 mile of unmapped ephemeral streams exist for every mile of mapped stream in Pennsylvania.
119,317 miles of streams are mapped in Virginia river basins in USGS's High Resolution National Hydrography Dataset. 56% of streams are mapped as Intermittent. Ephemeral streams are not mapped in the state.

Even where ephemeral streams are mapped in the NHD, many ephemeral streams channels visible on the ground are missing in the dataset. TU estimates an additional 0.6 miles of unmapped ephemeral streams exist for every mile of mapped stream in Virginia.
233,504 miles of streams are mapped in Washington river basins in USGS's High Resolution National Hydrography Dataset. 67% of streams are mapped as Intermittent. Ephemeral streams are not mapped in most of the state.

Even where ephemeral streams are mapped in the NHD, many ephemeral streams channels visible on the ground are missing in the dataset. TU estimates an additional 0.3 miles of unmapped ephemeral streams exist for every mile of mapped stream in Washington.
### Waters of the United States Wisconsin

#### % intermittent streams

<table>
<thead>
<tr>
<th>NHD High Res</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0% - 20%</td>
<td></td>
</tr>
<tr>
<td>21% - 40%</td>
<td></td>
</tr>
<tr>
<td>41% - 60%</td>
<td></td>
</tr>
<tr>
<td>61% - 80%</td>
<td></td>
</tr>
<tr>
<td>81% - 100%</td>
<td></td>
</tr>
</tbody>
</table>

#### 81,571 miles of streams are mapped in Wisconsin river basins in USGS's High Resolution National Hydrography Dataset. 58% of streams are mapped as Intermittent. Ephemeral streams are not mapped in the state.

Even where ephemeral streams are mapped in the NHD, many ephemeral streams channels visible on the ground are missing in the dataset. TU estimates an additional **1.4 miles of unmapped ephemeral streams exist for every mile of mapped stream in Wisconsin.**

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**Note:**

- **Perennial - NHDHigh**
- **Intermittent - NHDHigh**
- **Ephemeral - Estimated**

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**Trout Creek-Kickapoo River**

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**Lake Michigan**