

WRIA 30 Klickitat Watershed Water Availability



Klickitat Canyon, courtesy of the U.S. Forest Service

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Introduction to WRIA 30

The Klickitat Watershed or Water Resource Inventory Area (WRIA) 30 includes the area that drains to the Klickitat River. It is located in southcentral Washington, in the southwest portion of Yakima County and central Klickitat County.

The Klickitat’s major tributary is the Little Klickitat River. The watershed includes various other tributary streams such as Brush, Bowman, Canyon, Elk, Mill, and White creeks.

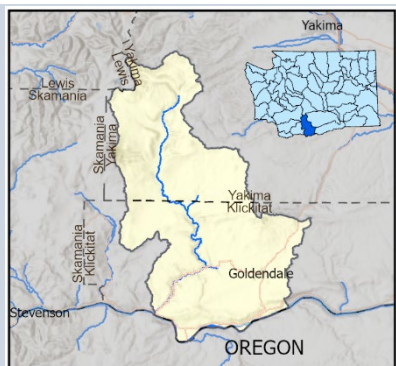
How can I get water?

Depending on your proposal, you may have more than one option to acquire a reliable water supply:

- Connecting to an existing water system is usually the fastest and easiest option if your project is within the system’s service area.
- Using a permit-exempt well if you meet the limits under state law.
- Purchasing an existing water right and transferring it to the new use.
- Applying for a new water right, which may need mitigation.



See the *Options for Acquiring Water* section for more information about water right permit options and when to meet with Ecology staff.



What is a watershed?

Washington is divided into 62 major watersheds or Water Resource Inventory Areas (WRIAs), which are areas that each capture precipitation and funnel rain and snowmelt through smaller subbasins into streams, tributaries, and rivers and typically drain to marine waters or the Columbia River.

Washington Water Law Waters of the state belong to the public and can't be owned by any one individual or group. Water right holders have the right to use water, from a set source, for a particular purpose, in a specific location.

The Department of Ecology is responsible for managing the water resources of the state, including issuing the right to use water as well as protecting the instream resources for the benefit of the public.

Washington water law is based on the “prior appropriation” system, often called “first in time, first in right.” New water rights may not harm older water rights. Applications for water from the same source must be processed in the order they are received, although there are certain exceptions.

Applicable Laws and Regulations

- [RCW 90.03](#): Washington Water Code
- [RCW 90.44](#): Regulation of Public Groundwaters
- [RCW 90.54](#): Water Resources Act of 1971
- [RCW 77.57](#): Fishways, Flow, and Screening

Water Availability Factors

Due to Washington’s varied land uses, hydrology, and precipitation levels, water availability for new water right permits varies dramatically across the state. In the Klickitat Watershed, key factors affecting water availability include:

- Low precipitation.
- Existing water rights, including unquantified Tribal rights.
- Source limitations—surface water.
- Tribal interests.

Low Precipitation

Like many areas of central Washington, the Klickitat watershed is arid, receiving less than 20 inches of rain annually. Most of this precipitation arrives during the winter months when overall water demands are the lowest. During the summer, the snowpack is gone, there is little rain, and naturally low stream flows are dependent on groundwater inflow. At the same time, the demand for human uses, including irrigation, are at the yearly maximum. This means that groundwater and surface water are least available when water demands are the highest.

Existing water rights

Water rights have been issued in the Klickitat Watershed for over 100 years, and as a result most water in the watershed is already legally spoken for or “appropriated.”

Many adjudications, a legal process to determine the extent and validity of existing water rights, have taken place in the watershed. Prior adjudications are an indication that most, if not all, of the available water has already been allocated. Adjudicated tributary subbasins include: the Little Klickitat River, Mill Creek, Blockhouse Creek, Bird Creek, Frasier Creek, and Bacon Creek.

Tribal interests

Tribal lands cover most of the upper and middle Klickitat subbasins. Federally Reserved Water Rights for the reservation are not quantified at this time and thus the legal availability of water in these areas is uncertain.

Source limitations

This watershed has administrative restrictions known as Surface Water Source Limitations (SWSLs), which limit new water right allocations in the lower watershed. This determination comes from the Washington Department of Fish and Wildlife that flows need to be protected to maintain fish populations.

Potential new supplies

Charged with the aggressive pursuit of new water supplies for the Columbia River Basin, Ecology's Office of Columbia River (OCR) implements a range of water development projects and programs that provide secure and reliable water supplies. For up to date information on available water supplies developed through OCR, refer to [Eastern Washington water projects](#).

Summary

Increasing demands for water over time, from ongoing population growth, agriculture, and other consumptive uses as well as associated land use practices, have resulted in lower streamflows in some areas. These decreases have impacted important resources for fisheries and general stream health. The impacts of climate change in WRIA 30 are also yet to be fully realized. However, it is apparent that water availability is limited throughout the Klickitat Watershed.



Options for Acquiring Water

Permit-exempt options

State law, RCW 90.44.050, exempts the following uses from the water right permitting process:

- Single or group domestic uses, not exceeding 5,000 gallons per day (gpd).
- Irrigation of up to a half-acre of non-commercial lawn or garden.
- Industrial purposes (such as water for a store, restaurant, or small industrial facility, or irrigation of a small commercial farm), not exceeding 5,000 gpd.
- Stockwater to provide drinking water for stock animals. Other stock-related purposes (such as washdown of a milking parlor or irrigation for growing hay for stock animals) may require a water right permit.

A project proposal is also limited to the use of one exemption for each type of use, so a housing subdivision, for example, cannot use a series of wells to exceed the 5,000 gpd limit or the half-acre of non-commercial lawn and garden. The entire subdivision, collectively, cannot exceed either limitation.

Permit options

If your project cannot access water from an existing water purveyor and doesn't qualify for use of a permit-exempt well, you will need to:

- Apply for **and receive** a new water right, or
- Acquire an existing water right and apply for **and receive** a change or transfer for the new use, new point of withdrawal/diversion, and/or new place of use.



Ecology asks anyone who needs a water right (new, change, or transfer) to submit the pre-application consultation form and meet with us to review your water supply needs and project proposal. See the Resources section for forms and other information.

New water right

Attempting to acquire new water rights with limited water availability will likely be a very difficult and expensive process. It can require the hiring of qualified professionals and submitting a comprehensive mitigation and monitoring plan. This does not guarantee approval of a water right. Mitigation can be any action or group of actions that address, in-time and in-place, the impact of the water withdrawal or diversion on instream flows or other senior water rights.

Projects proposing non-consumptive uses of water may be approvable without mitigation.

Change or transfer an existing water right

It can be easier to buy an existing water right and change the purpose and/or place of use. It is important that the water right be in good standing by regular use over its lifetime. Changing either of these aspects of a water right can be challenging if the change creates a new or different impact on a stream. Please consider consulting with your regional Ecology staff prior to purchasing an existing right to discuss any potential risks.

Processing options

The wait for your water right application to be processed can be years. Options to speed up the process:

- Submit your new or change water right application through the [Cost Reimbursement Program](#).
- Process your change application through the Klickitat Water Conservancy Board.

For more information on these and other options, refer to [Alternatives for Water Right Application Processing](#).

You can discuss all of your options to supply water to your project at your pre-application consultation with Ecology. To schedule, submit the [pre-application consultation form](#).

Mitigation refers to measures taken to prevent any impact on streamflow during the period that water is not available, by either:

- Halting the diversion or withdrawal, or
- Replacing the water taken—in time and in-place.

A common form of mitigation is to buy and retire an existing water right upstream from the new use.

Resources

Contact Information

Ecology Central Regional Office
1250 W Alder St
Union Gap, WA 98903-0009
Phone: 509-575-2490

More Information

Visit our website for the most current information.
ecology.wa.gov/Water-Shorelines/Water-supply

Publications and forms are searchable in the
online database.

ecology.wa.gov/publications

Forms

- [Water Right Pre-Application Consultation form](#), Form ECY 070-440
<https://apps.ecology.wa.gov/publications/summarypages/ecy070440.html>
- [Application for a New Water Right](#), Form ECY 040-114
<https://apps.ecology.wa.gov/publications/summarypages/ecy040114.html>
- [Application to Change or Transfer a Water Right or Claim](#), Form ECY 040-197
<https://apps.ecology.wa.gov/publications/summarypages/ecy040197.html>

Publications

- [Cost Reimbursement Program](#), Publication 22-11-022
<https://apps.ecology.wa.gov/publications/SummaryPages/2211022.html>
- [Alternatives for Water Right Application Processing](#), Publication 11-11-067
<https://apps.ecology.wa.gov/publications/summarypages/1111067.html>
- Focus on: [The Groundwater Permit Exemption](#), Publication 19-11-090
<https://apps.ecology.wa.gov/publications/SummaryPages/1911090.html>

Website – ecology.wa.gov

- Visit the [water rights permits page](#) for more information and helpful links.
<https://ecology.wa.gov/WaterRightPermits>
- Use [Water Rights Search](#) to locate and research water rights on land parcels anywhere in the state. <https://ecology.wa.gov/WaterRightsSearch>
- Learn more about the work being done by our [Office of Columbia River](#).
<https://ecology.wa.gov/About-us/Get-to-know-us/Our-Programs/Office-of-Columbia-River>

ADA accommodations

The Department of Ecology is committed to providing people with disabilities access to information and services by meeting or exceeding the requirements of the Americans with Disabilities Act (ADA), Section 504 and 508 of the Rehabilitation Act, and Washington State Policy #188.

To request an ADA accommodation, contact Ecology by phone at 360-407-6872, or visit <https://ecology.wa.gov/accessibility>. For Relay Service or TTY call 711 or 877-833-6341.

WRIA 30 Map

