
AFETUW Vision

Provide easy access to water licence information and natural ungauged stream flow estimates in Alberta

Features

- Estimate natural flows for any ungauged stream in Alberta
- Query active surface and groundwater water licence information throughout Alberta



How to access AFETUW?

<https://afetuw.alberta.ca>

Contact us:

gov.afetuw@gov.ab.ca

Alberta Flow Estimation Tool for Ungauged Watersheds (AFETUW)



Alberta

What is AFETUW?

AFETUW (*a-fe-to*) is a provincial GIS-enabled web tool for ungauged watersheds in Alberta which automates:

- Water licence queries
- Watershed delineation
- Ungauged Stream Flow Estimation:
 - Real-Time Flows (*hourly*)
 - Historic Flows (*daily*)
 - Environmental Flows (*daily*)
 - Flow Statistics
- Implementation of provincial Surface Water Allocation Directive (SWAD) and Instream Objective (IO)



Stream Flow Estimates

- The majority of Alberta streams are natural and unmonitored however Environment and Protected Areas (EPA) is responsible for protecting all streams in Alberta
- AFETUW fills a data-gap by providing estimated flows on streams with no hydrometric stations
- AFETUW support water management decisions in ungauged watersheds

Water Licence Query

- Queries active surface water and groundwater licences including Temporary Diversion Licences (TDL), and licence applications in any watershed in Alberta
- Provides a water licence list including a link to the pdf licence document