Environmental Records Viewer - Water Act

User Guide

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Classification: Public

Contents

1. Context

This user guide presents the functionalities available in the page Water Act of the Environmental Records Viewer (ERV).

This web application allows users to find and view information relating to Water Licence (WL) applications and authorizations.

2. Link

The Environmental Records Viewer is available from most mobile devices or modern web browsers at: https://geospatial.alberta.ca/erv/

3. Tools available in ERV – Water Act

3.1 Default Map View

This button resets the map visibility to the default zoom level. The "Default Map View" button is also known as the Home Button Widget.

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3.2   Map Layers

The Map Layer widget provides a list of operational layers that can be activated to provide additional context to the map.

Use the 'eye' button on the right of each layer to turn them on or off:

- ⊚ Layer is visible
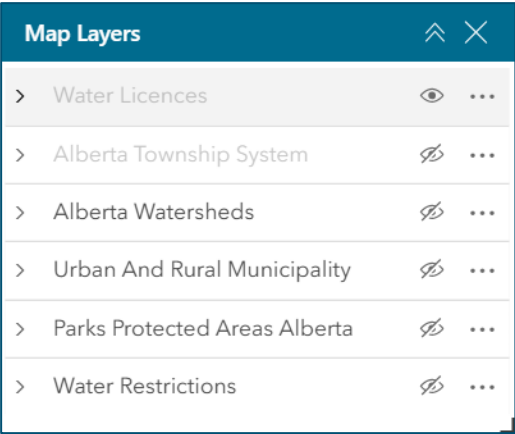- ⊘ Layer is invisible

Some layers contain several sublayers, which you can expand. The order in which layers appear in this widget corresponds to the order they display on the map (i.e.: first item will show above the second one).

Furthermore, certain layers may not display when you open the app, for example when the map is zoomed out to show the entire province. You will easily identify the ones that are not displayed at your current zoom level as their title are shown with light gray text (i.e.: *Water Licences* and *Alberta Township System* in the image above. They will start appearing as you zoom in and the layer text will turn black.

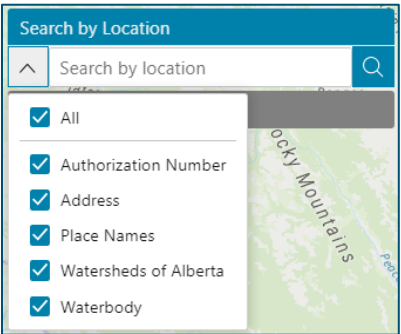| Map Layers		
> Water Licences	👁	...
> Alberta Township System	⊘	...
> Alberta Watersheds	⊘	...
> Urban And Rural Municipality	⊘	...
> Parks Protected Areas Alberta	⊘	...
> Water Restrictions	⊘	...

3.3   Legend

The Legend widget displays labels and symbols of the <u>active</u> layers in the map. When no operational layers are rendered in the map, the Legend is blank. The order of symbols in the Legend matches the layer order of the map.

3.4   Search

There are two ways to search on the map and zoom to a specific location using the search widget 🔍 :

1. **Search by Location** allows to locate Water Act Licence Applications or Licence Authorizations, Addresses, Place Names, Watersheds and Water bodies.
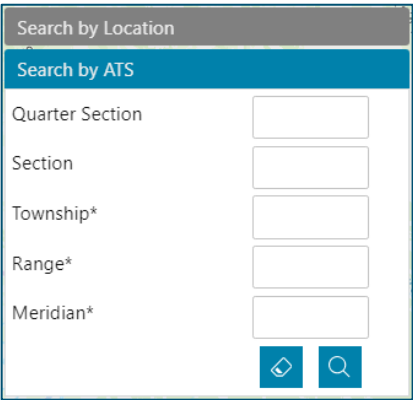
   Search by Location
   - ☑ All
   - ☑ Authorization Number
   - ☑ Address
   - ☑ Place Names
   - ☑ Watersheds of Alberta
   - ☑ Waterbody

2. **Search by ATS** allows the user to locate a land parcel in Alberta Township Survey system.

   The knowledge article "How to use the Environmental Records Viewer – Part 2: Map Searches" provides a detailed description of how to use this widget.

   Search by Location
   Search by ATS
   - Quarter Section
   - Section
   - Township*
   - Range*
   - Meridian*

A recording that demonstrates the content in the knowledge article is also available on YouTube.

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3.5   Selection Tool

The Selection Tool widget allows to find Water Act records, either an authorization or an application, both active or expired (inactive). The tool is presented with four tabs that are detailed in the sub-sections below.

3.5.1   Authorization

The Authorization tab allows to search for one or several Water Licence records using various criteria or filter combinations. These criteria are split in three categories. Expand or collapse each category by clicking on their header to either reveal or hide their content. The last two categories will also display how many filters are in use.

While any of these criteria or filters are optional, it is recommended to use at least one to reduce the number of results.

Here is the list of these three categories, with a brief description of each of their filter or criteria:

Search for

- **Category**: Water Licence only
- **Authorization Type**: Temporary Diversion Licence, Term Licence, Preliminary Certificate, Water Resource Licence (and interim).
- **Status** of the Licence: Active or Inactive
- Enter an **Authorization** OR **Application number**, with the dropdown menu.
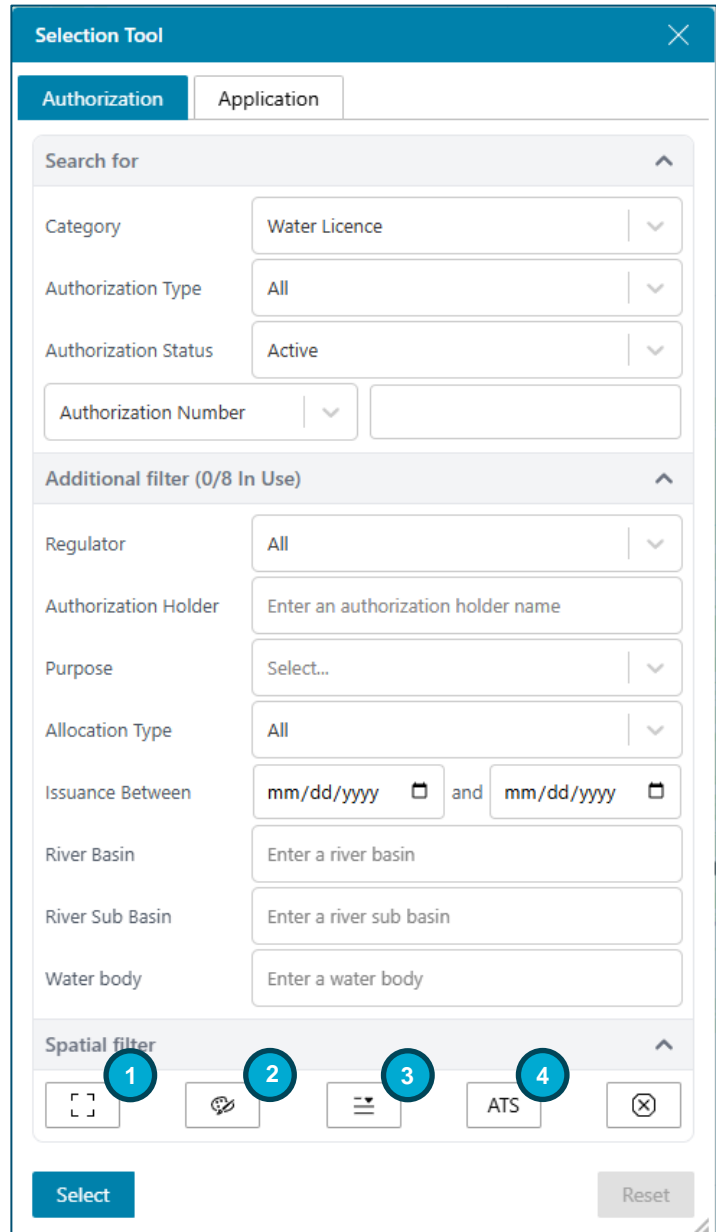
Additional filter

- Select **Regulator**: Alberta Energy Regulator, Government of Alberta or both (All).
- Enter an **Authorization Holder** name
- Select a **Purpose** from the list.
- **Issuance Between**: "from" or "to" dates can be used independently.
- Enter a **Watershed** or **Water body** name

Spatial filter

1. **Current Area**: selects every authorization or application visible in your map extent.
2. **Draw geometry**: draw a shape on the map or create a buffer around it to select every authorization included in that shape or buffer.
3. **Pre-defined boundaries**: selects every authorization within a given watershed.
4. **ATS**: select all authorization within a given parcel of the Alberta Township Survey system, using its Legal land description.

"Select" button

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- The **Select** action allows to query authorization data based on the filters described above. Once this button is pushed, and results are found, the tool will automatically select them on the map and open the Results Tab (described two sections below).

Hit the "**Reset**" **button** to clear all filters and make a new selection.

3.5.2   Application

The Application tab allows to search for one or several Water Licence records using various criteria or filter combinations. These criteria are split in three categories. Expand or collapse each category by clicking on their header to either reveal or hide their content. The last two categories will also display how many filters are in use.

While any of these criteria or filters are optional, it is recommended to use at least one to reduce the number of results.

Here is the list of these three categories, with a brief description of each of their filter or criteria:

Search for

- **Category**: Water Licence only
- **Authorization Type**: Term Licence, Temporary Diversion Licence, Water Resource Licence (and interim).
- **Status** of the Licence application: Received or Decision Complete
- An **Application number**.

Additional filter

- Select **Regulator**: Alberta Energy Regulator, Government of Alberta or both (All).
- Enter an **Applicant Name**
- Select a **Purpose** from the list.
- Enter a **Watershed** or **Water body** name

Spatial filter

- Refer to previous section "Authorization".

"Select" button

- The action **Select** allows to query application data based on the filters described above. Once this button is pushed, and results are found, the tool will automatically select them on the map and open the Results Tab (described in the next section, below).

Hit the "**Reset**" **button** to clear all filters and make a new selection.

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3.5.3 Results

The Results tab displays a list of application(s) or authorization(s) from the search you performed. The Results tab won't appear unless a "Select" is completed (and successful) in either the Authorization or Application tabs described earlier in this document.

3.5.3.1 Authorization Results

Expand or collapse a record from the list by clicking on its authorization number.

For each record, you can see

- An **authorization number** and an **application number**.
- The **authorization type**, the **allocation type**, the **authorization holder** name and **purpose**.
- The **status** (Active, Cancelled or Expired)
- When it was **issued** and when it will **expire**.
- If that record was renewed recently, it will also contain a **Legacy Authorization**, a historical number provided as reference only.
- The **Regulator** that issued the Authorization (Alberta Energy Regulator or Government of Alberta)
- Just below, access the official **PDF** Registration document(s), when available, which will open in a different page (external link).

There are two actions available with the **Extract CSV button**: Extract to CSV or Extract to Shapefile.

- The two **Extract** actions take all selected authorization or application data and processes them in a new tab called "Extracts" (more on the Extracts further in this guide)

The **Clear Results** closes the results tab but keeps the selected filters.

Selection Tool			✕
Authorization	Application	**Results**	

Water Authorization Licences (1)   ⊕ ▦

DAUT0019538	⊕ ┼ ▦
Authorization	DAUT0019538
Application	DAPP0112215
Authorization Type	Temporary Diversion Licence
Allocation Type	Groundwater
Authorization Holder	DRAS Test Contact B0
Purpose	Commercial
Status	Active
Issuance Date	2025-01-13
Expiry Date	2025-11-30
Legacy Authorization	
Regulator	Government of Alberta

TDL - DAUT0019538-2025-01-13-16_00_24.pdf ↗

Extract to CSV ⌄   Clear Results

Header buttons (top) ⊕ ▦

- Pressing the **Zoom** ⊕ button zooms the map on all the Allocations selected that have geographic location.

- Pressing the **Open Records Detail** ▦ button launches the Attribute table, providing additional details for all selected Allocation records, including those that might not have geographic location (read more on the Attribute table further in this guide).

Individual Allocation records buttons ⊕ ┼ ▦

- Every result line has its individual **Zoom** ⊕ button; press it to zoom to that Allocation.

- Pressing **Highlight** ┼ button changes the colour of that point on the map to better differentiate it from neighbouring allocation records.

- **Open Record Detail** ▦ button launches the Attribute table, with additional details exclusively on that Allocation record (read more on the Attribute table further in this guide).

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3.5.3.2 Application Results

3.5.3.3 Expand or collapse a record from the list by clicking on its application number.

For each record, you can see

- An **application number**, the **authorization type**, the **allocation type**, the **applicant's** name and **purpose**.
- The **status** (Received or Decision complete)
- The **application type**
- The **decision status** and **date** (if available)
- If that record is an amendment to an existing authorization, it will also contain the number or **Legacy Authorization number** (a historical number provided as reference only.)
- The **Regulator** that responsible for the decision (Alberta Energy Regulator or Government of Alberta).

There are two actions available with the **Extract to CSV button**: Extract to CSV or Extract to Shapefile.

- The two **Extract** actions take all selected application data and processes them in a new tab called "Extracts" (more on the Extracts further in this guide)

The **Clear Results** closes the results tab but keeps the selected filters.

Header buttons (top) ⊕ ⊞

- Pressing the **Zoom** ⊕ button zooms the map on all the Allocations selected that have geographic location.
- Pressing the **Open Records Detail** ⊞ button launches the Attribute table, providing additional details for all selected Allocation records, including those that might not have geographic location (read more on the Attribute table further in this guide).
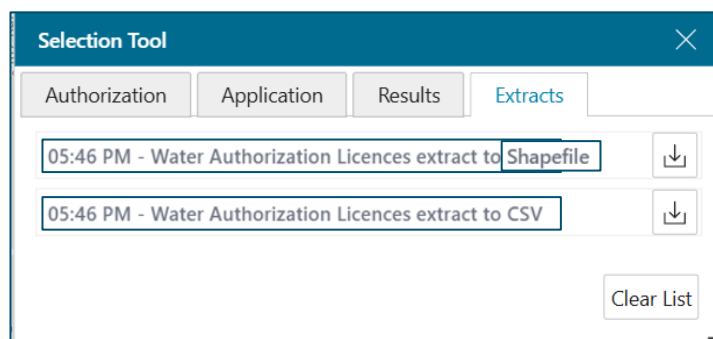
Individual Allocation records buttons ⊕ ‡ ⊞

- Every result line has its individual **Zoom** ⊕ button; press it to zoom to that Allocation.
- Pressing **Highlight** ‡ button changes the colour of that point on the map to better differentiate it from neighbouring allocation records.
- **Open Record Detail** ⊞ button launches the Attribute table, with additional details exclusively on that Allocation record (read more on the Attribute table further in this guide).

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3.5.4 Extracts The Extracts tab is visible only once the Extract to CSV or Shapefile is pressed from the Results tab. It displays the list of all extractions requested during the current session.

Press the ⤓ **Open File** button to download it.

The **Clear List** erases the list and button closes that tab.

3.5.5 Deep dive

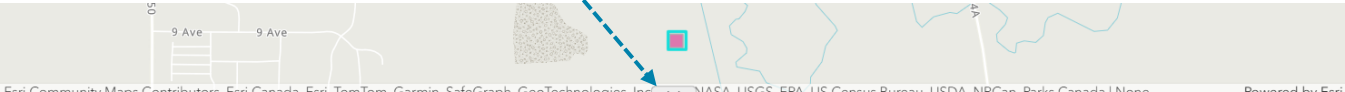The following knowledge articles provide more insight on how to use this widget. Recordings are also available on YouTube to demonstrate the content covered in each article.

- How to use the Environmental Records Viewer – Part 3: Selection Tool (video)
- How to use the Environmental Records Viewer – Part 4: Selection Tool Search Results (video)

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3.6 Attribute Table

The Attribute Table widget displays a detailed tabular view of the selected records' attributes. It is visible only when the Selection tool is showing Results. I can show one or many Water Allocations at the same time, depending on the query made.

How to use the attribute table

- **Open** the attribute table using on of the ⊞ Open Record Detail buttons in the results tab in the Selection tool (read more in section Results above).
- **Select a record** by clicking on the desired line
  - When selected, the record's line turns gray instead of white (default)
- **Location column** ⊕ or ⌀
  - When the record has a location on the map, the ⊕ **magnifying glass** icon appears. Click it to zoom on this allocation's location.
  - Alternatively, if the records do not have a location, the ⌀ **no location icon** appears.
- **Scroll** right in the table to view more columns.
- **Close** the attribute table using the **arrow** located in the bottom center of the map frame. **Reopen** using the same arrow.

4. Help

Do you experience an application or access problem? Contact regulatoryassurance.support@gov.ab.ca