

Arizona Department of Water Resources

Handbook for Assured and Adequate Water Supply Web Application

2010



ASSURED AND ADEQUATE WATER SUPPLY WEB APPLICATION HANDBOOK

INTRODUCTION

This application was developed to allow potential applicants for Assured and Adequate Water Supply (AWS) with a tool to make an initial identification of current and potential impacts to the aquifer within a selected geographic area including and within proximity to the area of their proposed development or area of interest. It identifies previously issued determinations of Assured or Adequate Water Supply (AWS), water provider service areas, private water company franchise areas, registered wells, and underground storage or groundwater savings (artificial recharge) facilities.

Please be aware that much of this database information is legacy information that does not reflect the complete record of the decision. Some of the information dates back to 1973, which predates the Department's creation, and the information electronically recorded was collected under various statutory and regulatory rule frameworks over the last 35 years, thus it is not always reflective of the information needed under the current application process. While the Department continues to update the database as errors and omissions are detected, the entire data set has not been fully scrutinized for accuracy and may contain errors or omissions. This list is intended for general information purposes only and will not necessarily yield an accurate list of committed demands for purposes of determining the physical availability of groundwater in any given area. This list is intended to be used as a starting point for an estimate of the demands associated with issued determinations in a given area. Persons using this information are strongly advised to contact the Office of Assured and Adequate Water Supply (OAWS) for assistance in accurately determining existing and projected water demands in a given area.

Under the Adequacy Program, this list includes both Adequate and Inadequate determinations. Under the Assured Program, this list does not include any change of ownership applications or assignment applications; it is limited to the first time a determination was issued for a particular subdivision. For designations of both Assured and Adequate Water Supply, this list includes the original designation, as well as any subsequent designation modifications for that particular water provider. For Water Reports or Certificates of Assured Water Supply, the subdivision is listed even if the subdivision based its proof of physical availability on an Analysis of Adequacy or Analysis of Assured Water Supply.

The Physical availability source as an Analysis or PAD (yes/no) fields may not be accurate. This list also does not capture individual uses or rights in a given area, nor does it capture uses by lots created outside of the assured or adequate water supply review process.

This handbook was prepared as a guide to explain each of the data fields included in the results of a user-defined query (through clicking and dragging an area on the map) for a given area. Specific questions on how to use the tool, or questions about the query results should be directed to the Office of Assured and Adequate Water Supply at (602) 771-8599.

In order to use this application, first open your internet browser (we recommend Microsoft Internet Explorer®, although it will work in other browsers) to the following address: <https://gisweb.azwater.gov/AAWS>. After you open the application, you can use the map navigation tools provided on the map (highlighted in yellow on Figure 1). You can also use the "Zoom to map feature" tool that is found in the middle of the toolbar (highlighted in red on Figure 1). Details on how to use the "Zoom to map feature" tool can be found at <https://gisweb.azwater.gov/AAWS/MapHelp.aspx#QuickZoom>. As you zoom in, past a map scale of 1:500,000, more details will become visible (Figure 2).

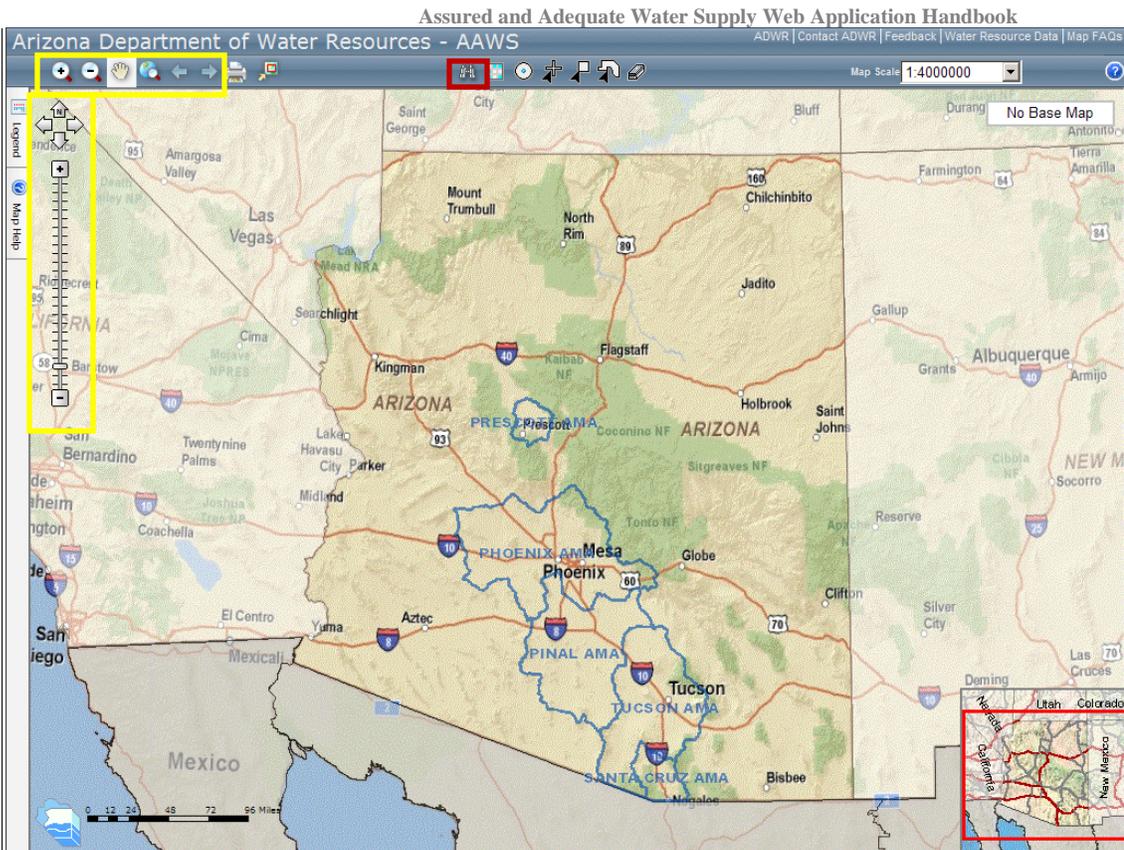


Figure 1. Assured and Adequate Water Supply web application navigation tools. Those highlighted in yellow are map navigation tools. The tool highlighted in red is a “Zoom to map feature” tool.

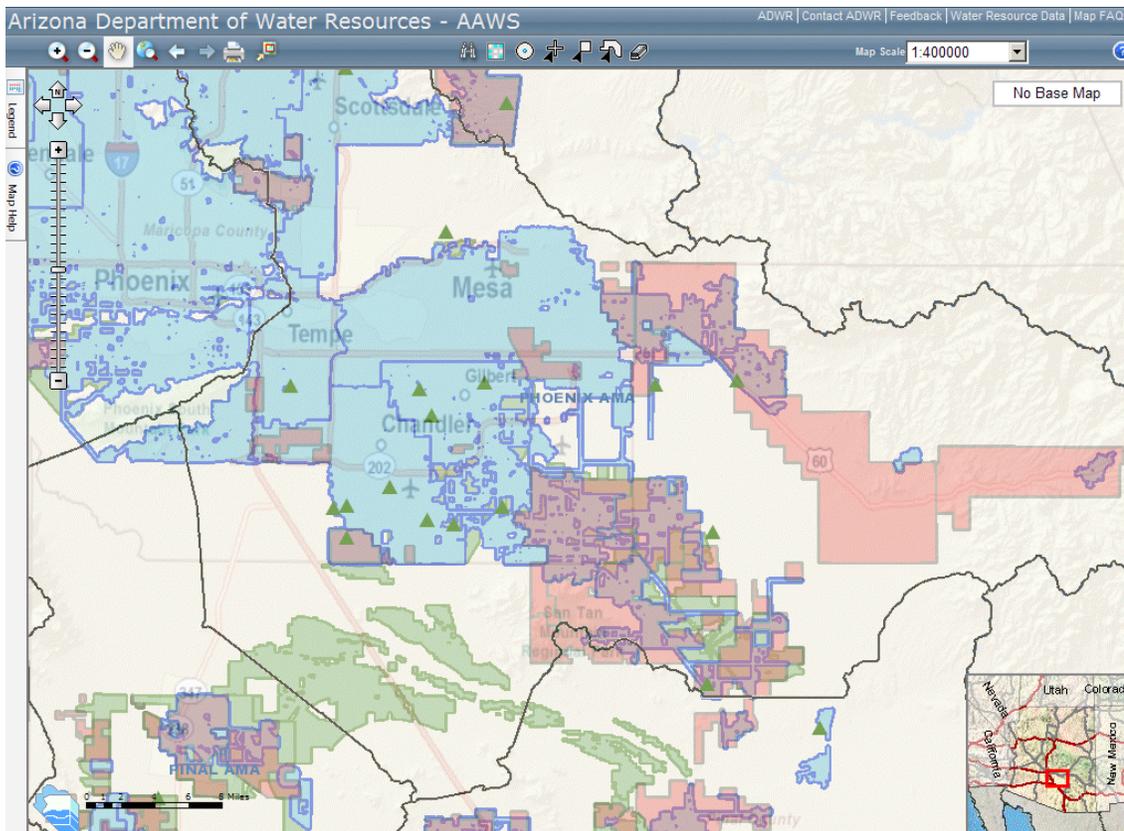


Figure 2. Shows web application map details after zooming past a map scale of 1:500,000.

The map application contains 5 different tools that allow you to interactively query the data associated with the Assured and Adequate Water Supply program (highlighted in yellow on Figure 3). A short description of each tool and how to use them can be found on the following website:

<https://gisweb.azwater.gov/AAWS/MapHelp.aspx>.

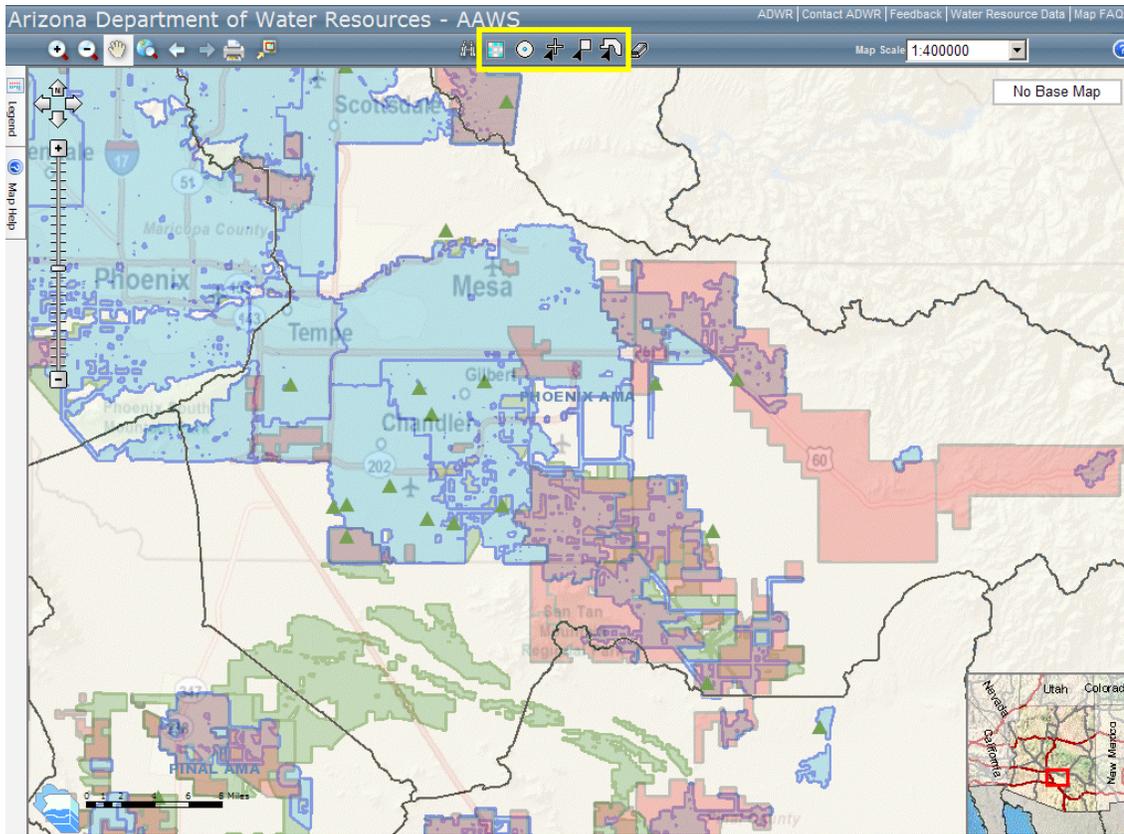


Figure 3. Web application query tools (highlighted in yellow).

After one of the query tools is run, the results of the query appear in a window that appears over the map (Figure 40). The query returns 6 different tables. They are as follows:

- AAWS Issued Determinations
- Water Provider
- CCN
- Wells with Pump and Recovery Data
- USF
- GSF

Descriptions of these tables and the fields contained within them are detailed in the rest of this document. The application also allows you to download the query results to a Microsoft Excel ® file. Just click on the “Data Export” button.

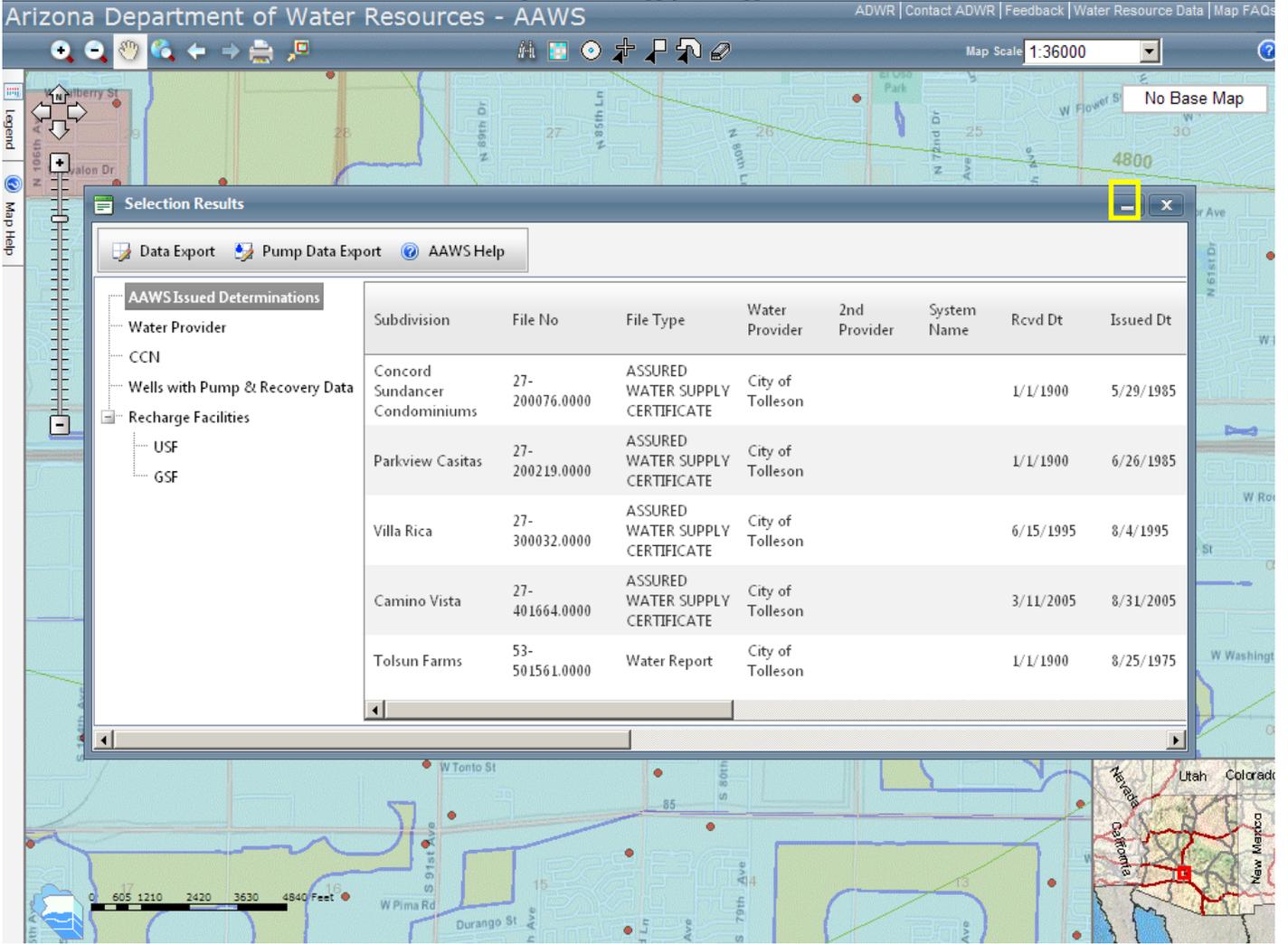


Figure 4. Web application query results window shown over the map. To view the map, without losing your results, just click the minimize button in the upper right hand corner of the results window (highlighted in yellow).

TABLE DESCRIPTIONS

Listed below are the main data tables provided in the Assured and Adequate Water Supply (AWS) web application, and a brief description of the data fields available within each.

<u>Web Source</u>	<u>Table Name</u>	<u>Table Description</u>
Details Page	AWS Issued Determinations	Issued Assured or Adequate Water Supply file data.
Details Page	Water Provider	Water service area right or Community Water System data.
Details Page	CCN	Private water company franchise area data.
Details Page	Wells	Well data.
Details Page	USF	Underground Storage Facility data.
Details Page	GSF	Groundwater Savings Facility data.

AWS ISSUED DETERMINATIONS TABLE FIELD DESCRIPTIONS

AWS Issued Determinations	
Field Name	Description
Subdivision	Name of the subdivision, the master plan, the water provider, or the area for which an application is made.
File No	Unique number assigned to the application by ADWR. The first two digits of the File No denote the application type.
File Type	Description of the application type.
Water Provider	Entity that will be providing water service to the area for which the application is made.
System Name	*Sub-system of the water provider, if any, who will serve the area for which an application is being made, or * Name of the water provider who is establishing a water service area to serve the subdivision, or * “Dry lot” or similar language if the subdivision will require individual lot purchasers to drill their own private wells, or * “Unknown” or similar language if at the time of application it has not yet been determined who the water provider will eventually be for a proposed development or study area.
Secondary Provider	Name of the water provider who will supply water for urban (flood) irrigation, if applicable.
Status	All results of the query are issued determinations, however under the Adequate Water Supply Program a water adequacy determination can be either Issued – Adequate or Issued – Inadequate. Both types of adequacy determination count as committed demands, however this information is provided for informational purposes.
Rcvd Date	Date the application was received. A received date year of 1900 signifies that the actual received date has not yet been researched and/or entered into the database (mm/dd/yyyy).
Issued Date	Date of issuance of the application (mm/dd/yyyy).
Total Demand	Total demand associated with the application in acre-feet per year.
GW	Portion of the total demand that will be met with groundwater. ¹
Effluent	Portion of the total demand that will be met with effluent. ¹
SW	Portion of the total demand that will be met with surface water. ¹
CAP	Portion of the total demand that will be met with Central Arizona Project water. ¹
Colorado River	Portion of the total demand that will be met with Colorado River water. ¹
100 Yr	100 times the Total Demand.
No of Lots	Number of lots on the subdivision plat or within the master planned community.
Hydro Study Available	Y/N field that indicates whether a hydrologic study has been filed that includes the area of the application.
Locations	Concatenated location township number, township direction (N or S), range number, range direction (E or W) and section or sections.
County	Name of the county in which the application is located.
AMA	If the application is located within an Active Management Area, the name of the AMA appears. If the application is outside an AMA “Not Within Any AMA or INA” appears.
Subbasin	Full name of the groundwater subbasin in which the application is located.

¹ Note that this volume may be the annual demand associated with this source of supply x 100.

WATER PROVIDER TABLE FIELD DESCRIPTIONS

Water Provider	
Field Name	Description
Water Company	Name of the city, town or private water company who will be serving the area included in the application.
Program	Two digit code for the type of water provider who will be serving the development (56 = municipal water provider inside an AMA, 57 = irrigation district within an AMA, 91= community water system outside an AMA).
Certificate	Six digit unique number identifying the water provider.
Conveyance	Four digit number identifying an ownership change or modification of a water provider.
File No	Concatenation of Program, Certificate and Conveyance into one string.

CERTIFICATE OF CONVENIENCE AND NECESSITY TABLE FIELD DESCRIPTIONS

CCN	
Field Name	Description
Water Provider	The name of the holder of the Certificate of Convenience and Necessity (CCN) or water franchise area. (Does not necessarily correspond to ADWR service area name.)
Program	If the CCN has been associated with an ADWR water service area right, the two digit code for the water provider associated with the CCN (56 = municipal water provider inside an AMA, 57 = irrigation district within an AMA, 91= community water system outside an AMA).
Certificate	If the CCN has been associated with an ADWR water service area right, the six digit unique number identifying the water provider associated with the CCN.
Conveyance	If the CCN has been associated with an ADWR water service area right, the four digit number identifying an ownership change or modification of a water provider associated with the CCN.
Docket No	The Arizona Corporation Commission (ACC) document number establishing the CCN.
CCN Code	The ACC code identifying the CCN.

PUMPING AND RECOVERY REGISTERED WELLS TABLE FIELD DESCRIPTIONS

Wells with Pump and Recovery Data	
Field Name	Description
Reg No.	Unique well registration ID number. Often prefaced by "55-" in reports.
GWSI Site ID	GWSI 15-digit identification number assigned to a GWSI site that has been matched to this Well Registry well.
Legal Description	12-digit Cadastral.
Owner Name	Current owner name in Well Registry database, can either be person's first and last name, or company name.
Well Type	One of four different well type categories: exempt, non-exempt, monitor, and other.
Well Depth (ft)	Depth of the well bore hole in feet.
Case Depth (ft)	Depth of the casing within the well bore hole in feet.
Drill Date	Date the well construction was completed.
Water Level	Depth to water in feet. Typically reported when the well was drilled.
Pump Capacity (GPM)	Tested pump capacity in gallons per minute. The pump used for this test could have been installed only at the time the well was drilled then removed.
Pump Data Available	YES / NO field that indicates if this well has pump data reported for it.
Completion Report	Status flag for indicating the completion report (CRT) status for a well. (X = CRT is in file, N = CRT not required, C = CRT considered complete).
Log Received	Status flag for indicating the well log form status for a well. (X = Log is in file, N = Log not required, C = Log considered complete).
UTM X (meters)	X coordinate for well (NAD 83 UTM Zone 12N). Coordinates reflect centroid of well's reported cadastral location.
UTM Y (meters)	Y coordinate for well (NAD 83 UTM Zone 12N). Coordinates reflect centroid of well's reported cadastral location.

UNDERGROUND STORAGE FACILITY QUERY FIELD DESCRIPTIONS

USF Results	
Field Name	Description
Facility Name	Name of the Underground Storage Facility (USF).
File No	Unique number including the two digit program code for the type of recharge facility (71 = underground storage facility) and the six digit certificate number identifying the facility permit.
Conveyance	Four digit number identifying whether there has been a modification of a facility permit.
Permittee	Name of the holder of the underground storage facility permit.
Type	Type of underground storage facility (managed or constructed).
AFY	Volume of water in acre-feet that can be stored per year at the facility.
Status	Whether the permit is active or inactive (expired).
Max Storage	Total volume of water in acre-feet that can be stored over the life of the permit.
Expire Yr	Year the permit will expire.
Cadastral	Township, range and section (cadastral) where the facility is located (i.e. D18013001AAA).
AMA	Three letter abbreviation for the name of the AMA in which the storage facility is located (TUC = Tucson AMA, PHX = Phoenix AMA, PIN = Pinal AMA, PRE = Prescott AMA).

GROUNDWATER SAVINGS FACILITY QUERY FIELD DESCRIPTIONS

GSF Results	
Field Name	Description
Facility Name	Name of the Groundwater Savings Facility (GSF).
Program	Two digit code for the type of recharge facility (72 = groundwater savings facility).
Certificate	Six digit unique number identifying the facility permit.
Conveyance	Four digit number identifying whether there has been a modification of a facility permit.