A Guide to Feature-Related Information

The following tables will help you to understand the type of information that the *Groundwater Information Access Portal* provides.

Basic Information about Groundwater Features		
Group	**Item**	**Description**
Identification	Feature id	The unique identifying number allocated to the feature.
Classification	Feature type	The classification of the feature in terms of type. Most features are “bores”, but there are small numbers of other types, such as “dug wells”, “spear points”, etc.
Location	Locality Name	The name of the *Locality* in which the feature lies (recorded by Driller at time of construction).
	Easting, Northing	The X and Y co-ordinates of the feature.
	Datum	The co-ordinate system used (GDA94).
	Co-ordinate accuracy	The accuracy of the position of the feature, measured as “maximum error margin in metres”. Generally, older features have larger error margins: for example, their positions may have been determined before GPS technology was in use.
Construction	Date drilled	The date on which the feature was constructed.
	Drilling company	The name of the Drilling Company that performed the construction.
	Depth	The depth of the feature. Units are metres, measured from ground level.
Hydrogeology	Initial Yield	The yield (i.e. flow rate) measured immediately after the feature was constructed. Units are Litres per second.
	DTWS List	A short-hand summary of the complete sequence of *Depth to Water Struck* measurements made during construction of a bore. It consists of a series of items, separated by semicolons. Each item relates to one “layer” drilled through, giving depth from and depth to values (in metres), plus the cumulative inflow for the layer (in Litres per second).
	SWL List	A list of *Standing Water Level* measurements, made over the life of the feature. Individual values are separated by semicolons. All SWL values are in metres below ground level.
	Last SWL	The last *Standing Water Level* measurement made for the feature.
	Last SWL Date	The date on which the last *Standing Water Level* measurement was made.

Hydrogeology (continued)	Total dissolved solids (TDS)	A measurement of the *salinity* of the groundwater, measured immediately after the feature was constructed. Units are milligrams per Litre. See table below for a general guideline for water use according to TDS levels.
	Final TDS	An averaged value of TDS, calculated using both laboratory-measured TDS and field measurements of Electrical Conductivity (EC), as available. Units are milligrams per Litre,
	Main aquifer geology	A geological classification of the main aquifer supplying water to the feature.
Status	Last operating status	The last-recorded value for the "operating" status of the feature. This indicates whether the feature is operating, capped, abandoned, etc.
	Last operating status date	The date on which the *Last Operating Status* was recorded.

Structured Information About Groundwater Features		
Group	**Tab Title**	**Information Displayed**
Geological / Hydrogeological Information	Geological Log	The log recorded when the bore was drilled, showing depths and the type of material that was drilled through.
	Depth to Water Struck	Information recorded when the bore was drilled, showing depths and the water inflows that occurred.
Standing Water Levels		The history of water depths as measured in the bore over time. (A greater depth value means a lower water level.)
Last Recorded Status		The last recorded status values for the feature. There are three types of status: • *Function:* functioning status of the feature. • *Flow:* flowing status of the feature. • *Purpose:* the purpose for which the water is used.
Construction	Bore Diameter	The diameter of the bore as drilled, showing depths and bore diameters.
	Casing	Details of the casing used for the bore, showing depths, diameters and casing materials.
	Screen	Details of the screen used to admit groundwater into the casing, showing depths and screen type.
	Seal	Details of the type of seal used, showing depths and type of material.

General Usability Guidelines for Water According to TDS Levels				
Usage	**TDS<1000**	**1000<TDS<3500**	**3500<TDS<13000**	**TDS>13000**

Drinking water	Yes			
Irrigation	Yes	Yes		
Industry	Yes	Yes	Yes	
Stock	Yes	Yes	Yes	
Ecosystem Protection	Yes	Yes	Yes	Yes

Source: State Policy on Water Quality Management 1997 (Tasmania).