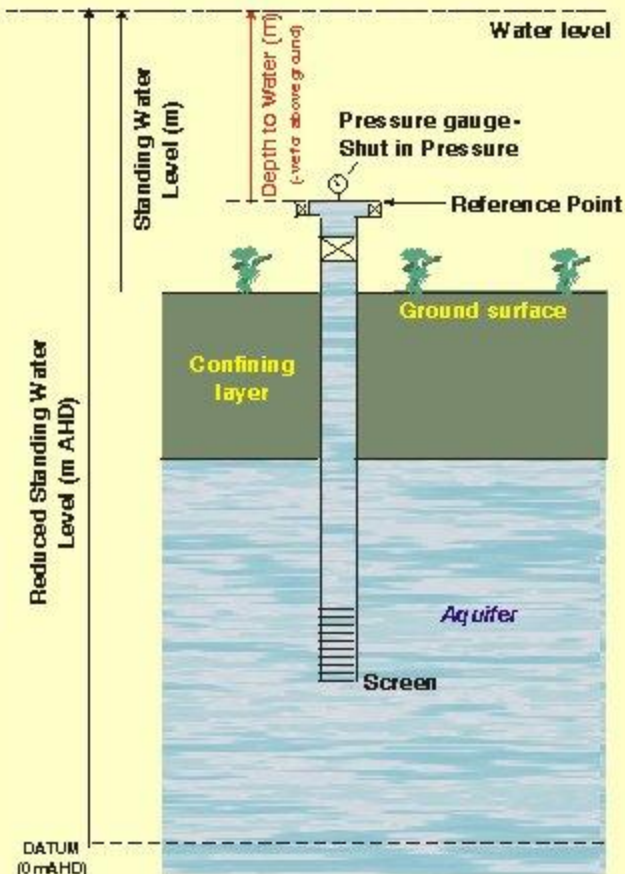


# Artesian Aquifer



TERM	DEFINITION
<b>AHD</b>	Australian Height Datum - the datum used for the determination of elevations in Australia. The determination set mean sea level as zero elevation.
<b>Datum</b>	The reference point from which elevations are measured. Given the value of zero m AHD.
<b>Depth to Water (DTW)</b>	The distance, in metres, from the reference point to the water surface (that is not affected by pumping). For artesian wells DTW = -ve Shut in pressure.
<b>Ground Elevation</b>	The elevation of the ground surface above the datum. (Units are in m AHD).
<b>Reduced Standing Water Level (RSWL)</b>	The elevation of the water level, typically measured in m AHD. (It is calculated by subtracting the Depth to Water from the Reference Elevation).
<b>Reference Elevation</b>	The elevation of the reference point above the datum. (Units are in m AHD). It is calculated by subtracting the Depth to Water from the Reference Elevation.
<b>Reference Point</b>	The point from where the Depth to Water or shut in pressure is measured.
<b>Shut in Pressure</b>	Measured pressure reading of an artesian well converted into metres head.
<b>Standing Water Level (SWL)</b>	The distance, in metres, from the ground surface to the water surface. It is calculated by subtracting from the Depth to Water the difference of the Reference and Ground Elevations ( $SWL = DTW - (RE - GE)$ ).