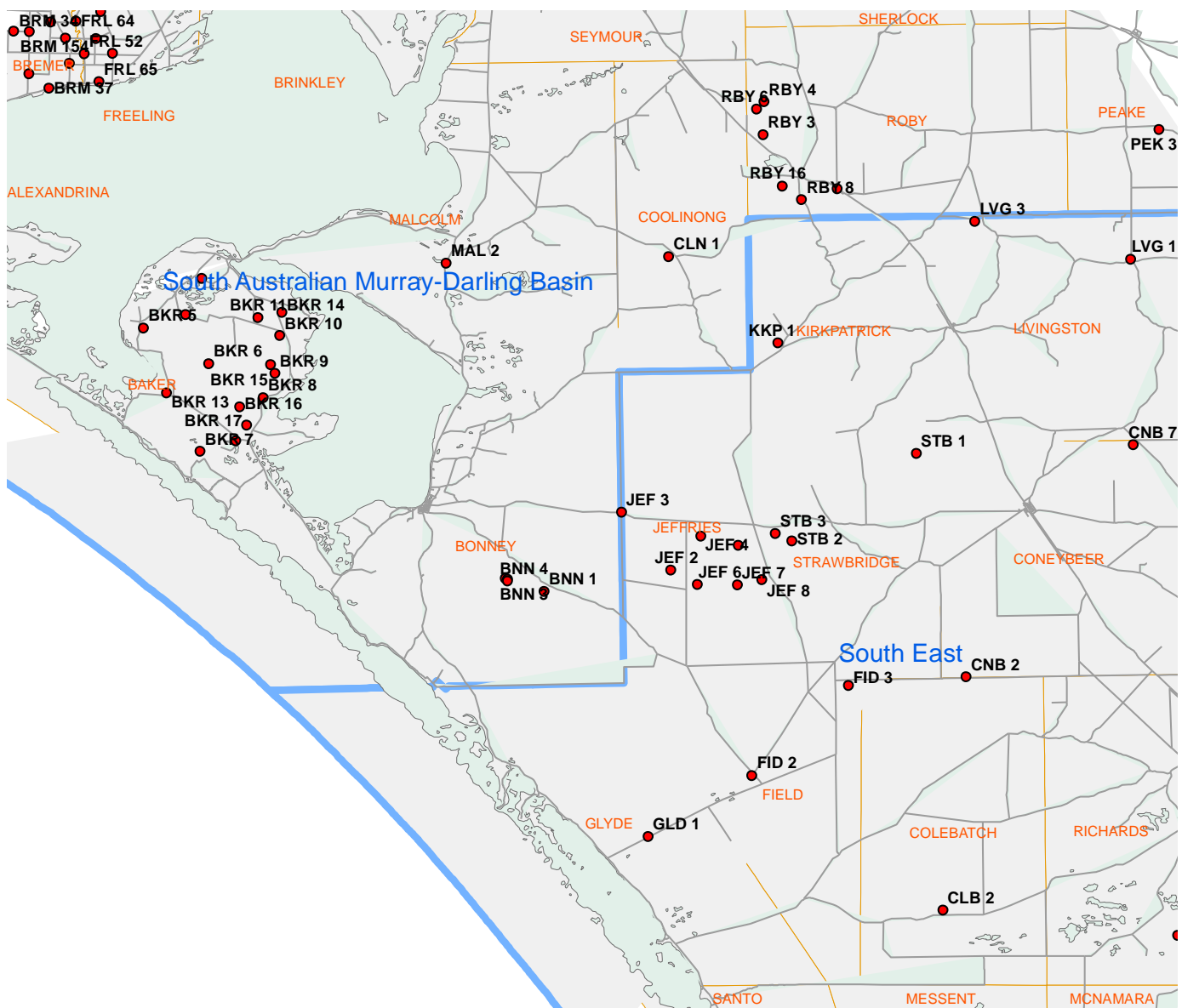


HOW TO ACCESS GROUNDWATER DATA FROM THE DEPARTMENT FOR ENVIRONMENT & WATER WEBSITE

The map below shows the Department For Environment & Water observation wells that have water level records for varying periods of time. These wells are either in the SA MDB region or the South East region (shown in blue).



To access the water level data, click on this link ;

<https://www.waterconnect.sa.gov.au/Systems/GD/Pages/>

You will see this home page.

The screenshot shows the 'Groundwater Data' web application. At the top, there is a navigation bar with links for Water Management, Hazard Management, Water Resources, River Murray, Science and Research, Industry and Mining, and Data Systems. Below this is a breadcrumb trail: Home > Data Systems > Groundwater Data. The main header features the title 'Groundwater Data' and a search bar with options for 'Trend Data Download', 'Browse Mode', and 'Start Over'. A secondary navigation bar includes filters for 'Unit Number', 'Obswell', 'Permit Number', 'Hundred & Parcel', 'Property', 'Coordinates', 'NRM Region', and 'Prescribed Area'. The 'Obswell' filter is active, showing a dropdown menu with '1 selected' and a list of regions: Peake, Roby and Sherlock PWA, Pike and Murtho Irrigation Areas, Pike Floodplain, SA Arid Lands Non-Prescribed Area, SA Murray Darling Basin - SA Water, SA Murray Darling Basin Non-Prescribed Area (checked), and SA Water Town Water Supplies salinity monitoring. A map of Australia is displayed with a red grid overlaying the SA Murray Darling Basin. A table at the bottom lists various data fields: Select, Detail, Unit No, Obs No, Obs Network, Permit No, Date Drilled, Max Depth (m), Latest Depth (m), SWL (m), SWL Date, SWL Status, Yield (L/sec), Yield Date, TDS (mg/L), TDS Date, Salinity Status, Purpose, and Aquifer. Three numbered callouts are present: '1' points to the 'Obswell' filter, '2' points to the 'SA Murray Darling Basin Non-Prescribed Area' option in the dropdown, and '3' points to the 'Search' button.

For wells in the SA MDB region ;

1. Click on “Obswell”
2. Click on drop-down box and select “SA Murray Darling Basin Non-Prescribed Area
3. Click on “Search”

Similarly, for wells in the South East MDB region ;

4. Click on “Obswell”
5. Click on drop-down box and select “South East Non-Prescribed Area
6. Click on “Search”

You will then come to this map

Groundwater Data

Unit Number **Obswell** Permit Number Hundred & Parcel Property Coordinates NRM Region Prescribed Area

Obswell Network 1 selected OR Obswell numbers e.g. DAE005, CRB002, PWL012 Search

Filter hide 111 wells found. Download Data Print Data Map Layers Legend

Map Satellite

Whyalla Port Pirie Kadina Adelaide Victor Harbor Kangaroo Island Ngarkat Wyperfeld National Park

Map data ©2016 Google 50 km

Detail	Unit No	Obs No	Obs Network	Permit No	Date Drilled	Max Depth (m)	Latest Depth (m)	SWL (m)	SWL Date	SWL Status	Yield (L/sec)	Yield Date	TDS (mg/L)	TDS Date	Salinity Status	Purpose	Aquifer	Status
Details	6626-271	NGK009	SAMDB_N	23069	21/10/1989	122.80	0.00	7.68	25/10/1997	H	1.500	21/10/1989	40561	21/10/1989	N	OBS	Tye	BKF
Details	6630-3324	KRG002	SAMDB_N	107075	01/06/2005	71.00	51.50	3.98	10/05/2016	C	2.500	01/12/2004	1555	28/03/2006	N	MON		
Details	6630-3340	KRG001	SAMDB_N	106404	06/07/2005	10.40	10.40	3.65	10/05/2016	C			3320	10/10/2005	N	MON		
Details	6726-127	BNN001	SAMDB_N			4.88	4.88		24/04/2008	H			1285	16/12/1952	N	DOM	Qpcb(QL)	OPR

7. Use the zoom tool and 'drag' tool to zoom into your area of interest
8. Click on "Obs No" heading to sort the list of obs wells in alphabetic order
9. Scroll down until you find the obs well you want to examine

Let's say you want to look at CLN 001 in the Hundred of Coolinong

10. By clicking on 'CLN001' in the table, the row will highlighted as below
11. The well symbol will jump up and down
12. Note also that by holding the mouse over a well, the details will come up
13. After selecting the well, click on "Details"

Groundwater Data Browse Mode [Start Over](#) [Help](#) [About](#)

Unit Number **Obswell** Permit Number Hundred & Parcel Property Coordinates **NRM Region** Prescribed Area

Obswell Network 1 selected OR Obswell numbers e.g. DAE005, CRB002, PWL012

Filter hide 111 wells found.

Map Satellite

Map showing Lake Alexandrina, Lake Albert, and surrounding areas. Well symbols are shown on the map. A tooltip for a well shows: Unit Number: 6726-127, Obswell Number: BNN001.

Detail	Unit No	Obs No	Network	Permit No	Date Drilled	Max Depth (m)	Latest Depth (m)	SWL (m)	SWL Date	SWL Status	Yield (L/sec)	Yield Date	TDS (mg/L)	TDS Date	Salinity Status	Purpose	Aquifer	Status
Details	6726-641	BNN004	SAMDB_N		17/10/2005	9.80	6.71	3.94	30/03/2016	C					N	OBS	Qpcb(QL)	
Details	6730-205	BUN000	SAMDB_N	92913	22/06/1983	121.50	121.50	77.19	03/06/1992	H	0.000	22/06/1983			N	INV	Tyw	OPR
Details	6729-1167	BWN001	SAMDB_N	92916	23/07/1983	71.00	71.00	53.81	21/04/1992	H	0.000	23/07/1983	12619	12/03/1988	N	EXP	Ty	CAP
Details	6826-303	CLN001	SAMDB_N		04/12/1951	37.49	37.49	29.37	30/03/2016	C	0.190	04/12/1951	5883	04/12/1951	N		Qpcb(QL)	UEQ

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After clicking on “Details”, the following screen will come up with information about the well

The screenshot shows a web interface for groundwater data. At the top, there are navigation tabs: Water Management, Hazard Management, Water Resources, River Murray, Science and Research, Industry and Mining, and Data Systems. Below this is a breadcrumb trail: Home > Data Systems > Groundwater Data > Details. The main header is "Groundwater Data" with a sunset background. A secondary navigation bar contains tabs for Summary, Water Level, Salinity, Well Yield, Water Chemistry, Construction, Elevation, Drillers Log, Lithological Log, Hydrostratigraphic Log, Stratigraphic Log, and Photos. The "Water Level" tab is selected, and a callout box with the number "14" points to it. The well ID "6826-303" is displayed. Below the ID is a table of well details:

Name	Permit No.		
Class	WW	Status	UEQ
Obswell No.	CLN001	Network	SAMDB_NP
Purpose		Aquifer	Qpcb(QL)

Below the table are buttons for "Previous", "Next", and "Data Download". The "Depth" section contains the following data:

Original Drilled Depth (m)	37.49	Date	04/12/1951
Maximum Depth (m)	37.49	Date	04/12/1951
Latest Open Depth (m)	37.49	Date	04/12/1951
Ref Elev (m AHD)	33.6	Date	
Cased To (m)	33.5	Min Diameter (mm)	152

The "Latest Groundwater Readings" section contains the following data:

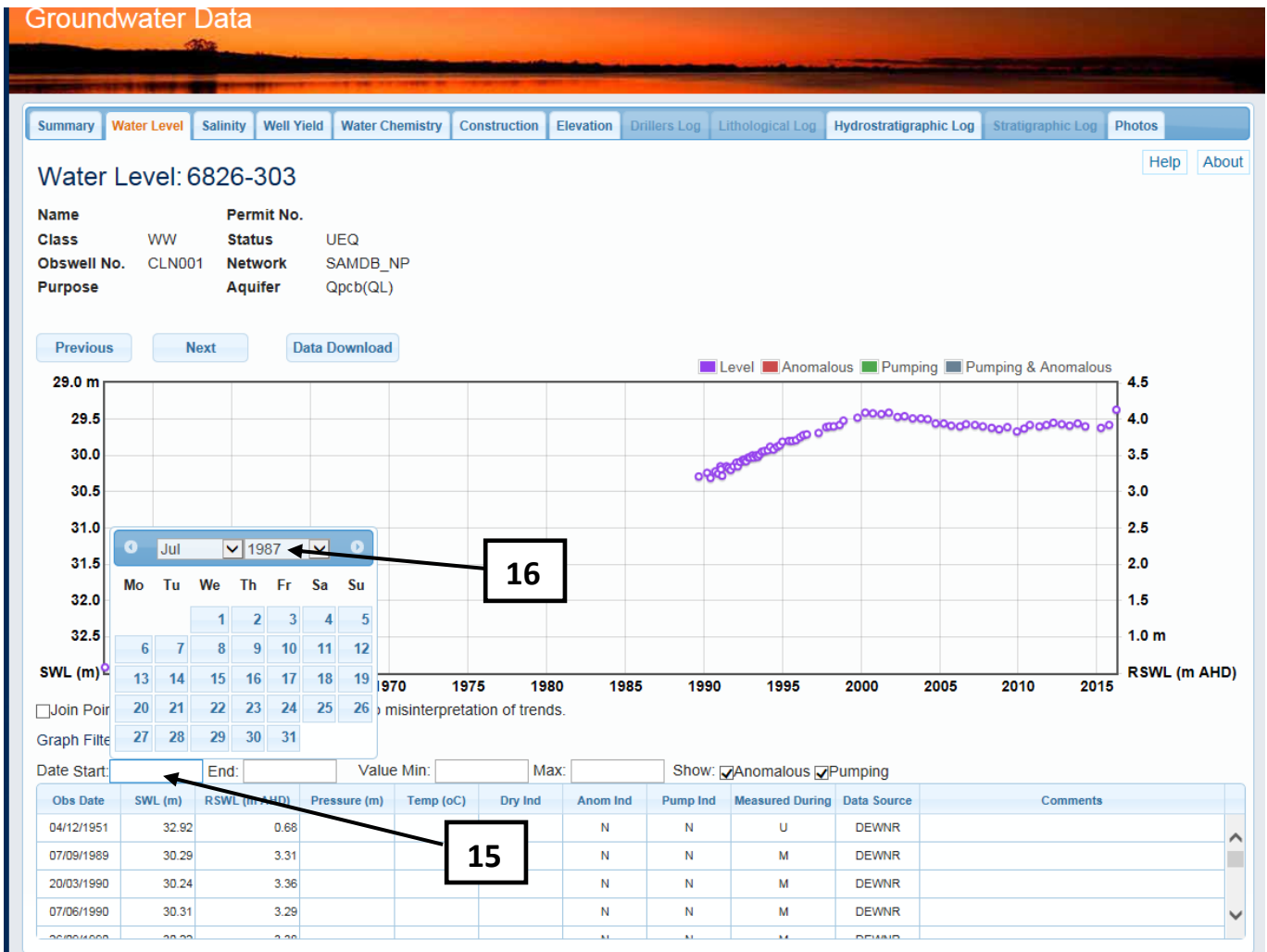
SWL (m)	29.37	RSWL (m AHD)	4.23	Date	30/03/2016
EC (µS/cm)	10325	TDS (mg/L)	5883	Date	04/12/1951
Yield (L/sec)	0.19	Date	04/12/1951		

The "Location" section contains the following data:

MGA Easting	368634	MGA Northing	6068683	MGA Zone	54
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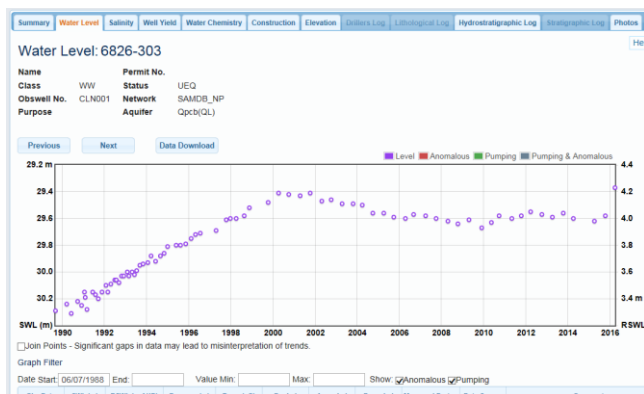
14. To see water level details, click on “Water level”. Alternatively, click on any other information you want to find.

This screen then comes up.



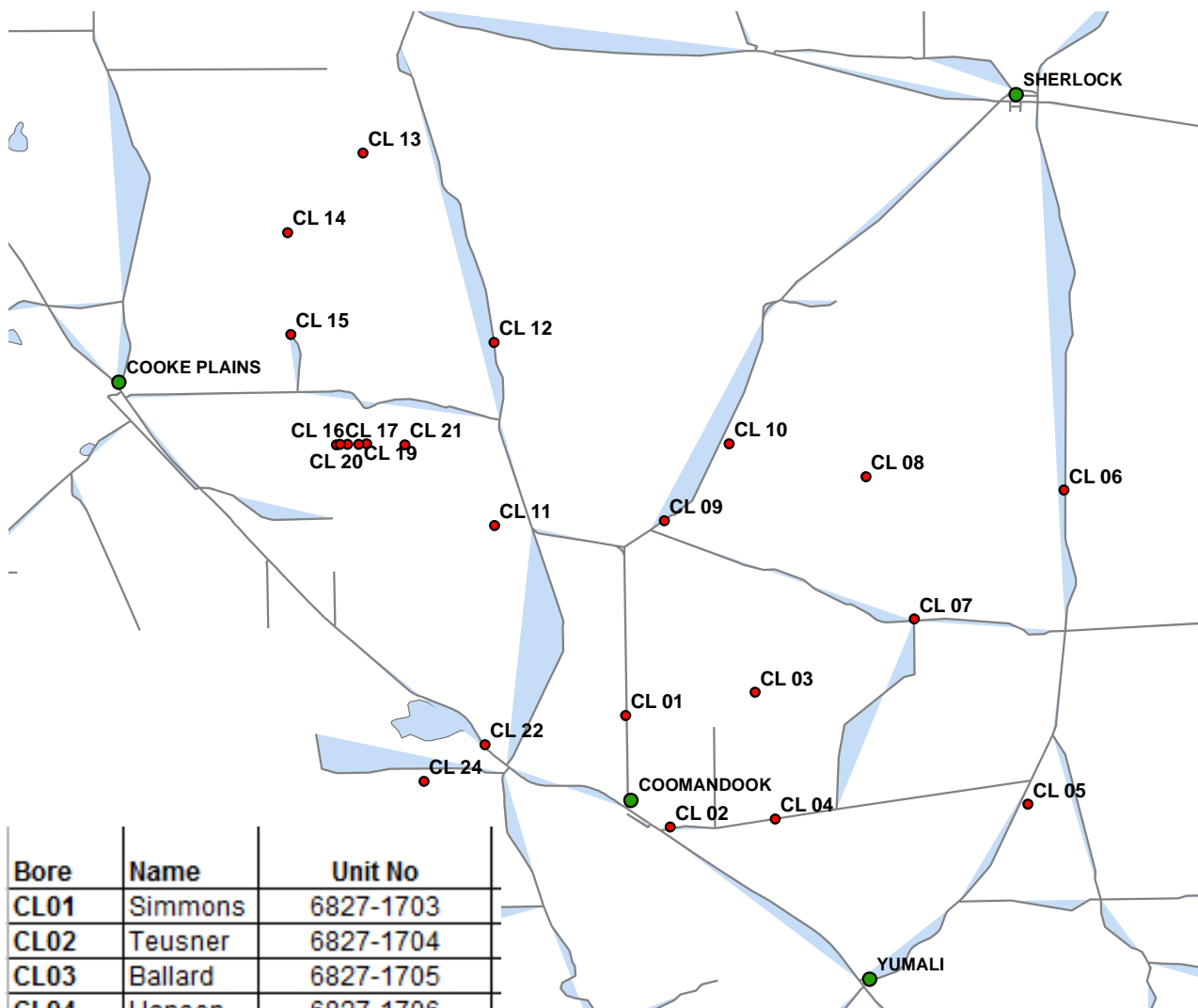
15. In order to refine the date range, click on “Date Start” box

16. In this case, select 1987 in the year box, and any month or day (doesn't really matter which). The graph will zoom into the dates selected with more detail (see below).



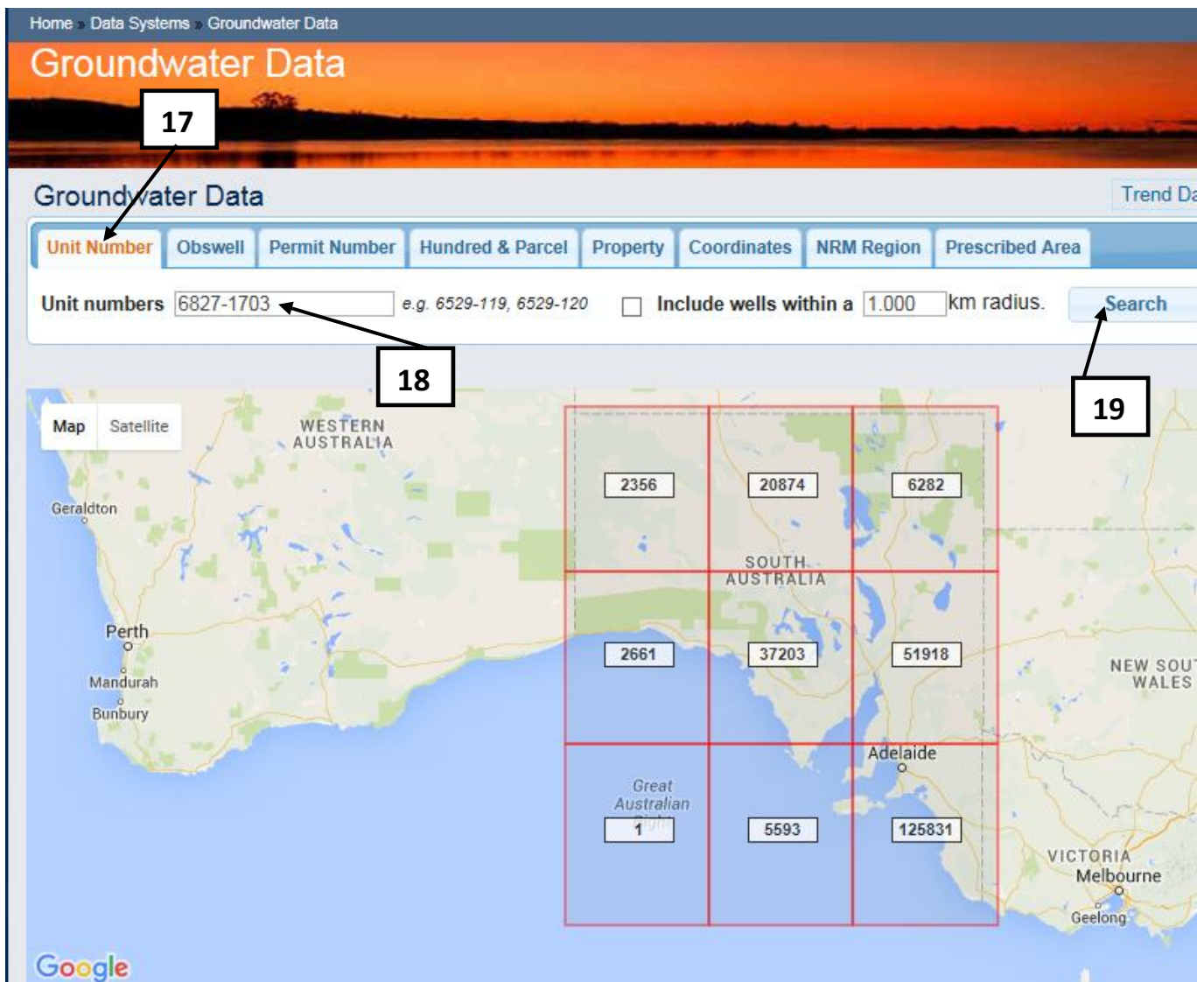
The SWL values on the left hand side of the graph represent the depth of the water level below ground level, whilst on the right hand side, the RSWL values represent the elevation of the water level above sea level.

The map below shows the Coomandook Landcare observation wells that have water level records for varying periods of time.



Bore	Name	Unit No
CL01	Simmons	6827-1703
CL02	Teusner	6827-1704
CL03	Ballard	6827-1705
CL04	Hansen	6827-1706
CL05	Murray	6827-1707
CL06	Poole	6827-1708
CL07	Freak	6827-1709
CL08	Freak	6827-1710
CL09	Freak	6827-1711
CL10	Freak	6827-1712
CL11	Patterson	6827-1713
CL12	Crouch	6827-1714
CL13	Piggott	6827-1717
CL14	Williams	6827-1716
CL15	Kleinig	6827-1715
CL16	Smyth	6827-1693
CL17	Smyth	6827-1694
CL18	Smyth	6827-1695
CL19	Smyth	6827-1696
CL20	Smyth	6827-1697
CL21	Smyth	6827-1698
CL22	Hansen	6827-1699
CL23	Hansen	6827-1700
CL24	Hansen	6827-1701

To access data for these wells, go back to the Home Page. Let's say you want to look at the water levels for CL01 which has a unit number of 6827-1703.



17. Click on "Unit No"
18. Type in the unit number
19. Click on "Search"

On the new screen, click on "Details" as in step 13 described above and proceed as before.