Environmental Consultancy 2015 Ltd "Water Use" web site

Our "water use" web page is accessed from our web site address: www.ecs-limited.co.nz



After logging in to our water use web site, you will be able to review any data you are authorised to access. Username and Password are <u>case sensitive</u>.

Your details are:

Client:	
Username:	
Password:	
Email address:	

1 SELECT THE REQUIRED INFORMATION

The data in the left panel of the web page is grouped by Site Owner, then by sites, then by any measurements relating to that site. The example shows the sites authorised under the "Quailburn & Wairepo Races". Clicking the mouse on the \pm symbol expands the list.



2 SELECT GRAPH TYPE AND DATE RANGE

Once you have selected the required site and measurement, the relevant information is shown in the right panel of the page.

The default graph is always the last 14 days of data. The type of graph can be changed by selecting the down arrow on the right side of the "Standard" graph. After selecting the type of graph you must press the "View" button to refresh the graph.



You can select a specified time scale by selecting the "By Date" radios button, then entering a start and end date. Dates can be entered manually or use the calendar date picker as shown.

	1 Select "By Date" button									2 Press the Calendar Icon and select the required star and end dates.		
	Site Name:	Quailbu	rn G	ovt F	Race	at Q	uailb	urn I	Rd			
	Standard	Standard Last Fortnight							4			
(● By Date	Start	24/03	3/201	б				End	24/	4/03/2016	
			«	<	М	arch	201	6	>	»	View	
	Consent CRC164043			М	Т	W	Т	F	S	S	5	
	Max rate = 170 l/s, M	lax volu	10	29	1	2	3	4	5	6	⁵ volume = 1523500	
	m ³		11	7	8	9	10	11	12	13		
	Usage to date:	13894	12	14	15	16	17	18	19	20	3 Press "View" to see the requested	
	Remaining volume:	13845	13	21	22	23	24	25	26	27	graph.	
		15045	14	28	29	30	31	1	2	3	3	
	Errors: Calculator		15	4	5	6	7	8	9	10		

3 WATER USE INFORMATION

After the required site and date range is selected, information relating to the site is displayed.

Consent:

If the data is associated with a resource consent, the relevant flow rate and volumes are shown. Clicking on the consent number provides a direct link to ECan. Relevant consent details can then be seen.

Usage to Date:

If "usage" data is available, the volume of water taken <u>for the specified pump or flow site</u> for the current irrigation season, and the average rate over the last 7 days is shown.

Amount Left:

If an annual volume of water is specified, the amount of water left for the season, and the number of days remaining at the average pump rate is shown. If there are <u>multiple pumps</u> for a resource consent, the remaining <u>volume is only shown when the "Combined" or "Total" flow</u> <u>option is selected.</u>

Calculator:

Clicking on the "<u>Calculator</u>" activates a pop up screen where you can enter any 2 of the 3 Values (flow rate (I/s), volume (m^3), time (hours)). This is useful to find out, for example, the number of hours remaining to pump the available volume at a specified flow rate.

	Site Name:	Quailburn Govt Race Last Fortnight	a at	nsent number to n consent details	in as Quail <u>Logout</u>
	By Date	Start 24/03/2016	End	24/03/2016	
				V	iew
	Consent <u>CRC164043</u>				
	Max rate = 170 l/s, M	ax volume = 1468	8 m³/1 day(s), An	nual volume = :	1523500
	m ³				
	Usage to date:	138943 m ³ , Averag	e flow last 7 days :	12.33 l/s	
	Remaining volume:	1384557 m ³ (1300	days left at 12.33	l/s)	
	Errors:				
\langle	Calculator				
		rer	ess this link to calcu naining pump hour d flow rates.		

4 GRAPH INFORMATION



5 FLOW REPORT

The Flow Report tab provides a table of daily mean flow rates for the selected site for the entire period of data record held in our Telemetry file.

This information can be selected using Windows controls:

- Place the mouse in the Tab to the left side of the title, hold down the right mouse click and drag the selection to the bottom of the page ;
- Press Ctrl+C to copy the data to the clipboard.
- Open WORD or EXCEL and press CTRL+V to paste the information.

Alternatively, select the <u>Print</u> icon at the bottom of the report to print the report.

Environmental Consultancy 2015 Ltd: Water Use web site instructions

Grap	h	Flow Rep	port	Relia	ability	-	Res	trictio	ns	Co	mplia	nce	Warni	ngs
					Year	= 20	016							^
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
1	8.00	13.19	7.21											
2	7.83	11.90	7.33											
3	10.49	10.95	7.49											
4	12.36	10.03	7.57											
5	9.04	9.70	7.82											
6	8.39	8.97	7.67											
7	8.58	8.58	7.45											
8	8.44	8.29	7.03											
9	7.10	8.37	6.94											
10	6.31	8.11	7.23											
11	6.19	7.54	6.82											
12	6.34	7.47	7.14											
13	7.42	7.47	7.57											-

6 RELIABILITY OF THE INFORMATION FOR PUMP SITES & OPEN CHANNEL FLOW SITES

The reliability tab provides basic information relating to the accuracy of the data. If the data is from a pump, the type of water meter, datalogger and check compliance is shown.

Graph	Flow Report	Reliability	Restrictions	Compliance	Warnings
COMMENTS ON	I THE RELIABILITY C	F DATA FROM THIS	SITE		

Under development

7 RESTRICTIONS

If the flow rate is restricted by river flow trigger levels, this tab provides a direct link to the ECan site to show if there is any restriction for the current day. Flow restrictions are stored in our database and used to check compliance with consent conditions.

Graph Flow Report	Reliability	y Restrictions	Compliance	Warnings			
Low Flow Site		Flow (m3/s)	Date				
Restriction Band		Restrictions					
Quail Burn @ Hen Burn Road		0.008	24 March 2016				
Band 1		Restricted					
Print							

8 COMPLIANCE

This tab provides a quick summary of compliance with any resource consent requirements (flow rate, volumes, annual volumes, flow restrictions etc). Any non-compliant days are shown in a table beneath the graphs. The compliance graphs and tables can be printed using the <u>Print</u> link at the bottom of the report.

The graphs and table do not constitute a formal compliance report required by ECan. Those are produced at the end of each season, or upon request to us (Lindsay@ecs-limited.co.nz).



9 WARNINGS

The Warning tab can be used by the Client to send email warnings whenever specified events occur.

Graph Fow Report	Reliability Restri	ctions Compliance	Warnings
Add New Warning			
Site	Measurement	Туре	Active
Edit Quailburn Govt Race at Quailburn Rd	Flow	Flow Rate	V Delete

The warnings can be created, edited, or deleted by the Client.

This example shows an active warning to send a message if the flow rate for Quailburn Govt Race exceeds 75% of the consented flow rate.

Graph	Flow Report	Reliability	Restrictions	Compliance	Warnings				
Edit Quailburn Govt Race at Quailburn Rd Flow Flow Rate									
Site	Quailburn Gov	/t Race at Quailburr	n Rd 🔻		_				
Measurement	Measurement Flow 👻								
Warning Type	Warning Type Flow Rate 👻								
Recipients	[your email ad	dress]							
Percentage	make the warning active								
e.g. 75 Send an email when the Flow Rate or Volume has reached 75% of its maximum. Active									