

Reporting Period:	October 1, 2011 - September 30, 2012
Water Scheme Name:	Jimna
System Location:	Somerset Regional Council

Microbiology

Escherichia Coli	Unit of Measure	LOR	Number of Tests	12 Monthly Rolling Compliance	Minimum	Maximum	Average
October	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
November	cfu/100mL	1	5	100	<LOR	<LOR	<LOR
December	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
January	cfu/100mL	1	5	100	<LOR	<LOR	<LOR
February	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
March	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
April	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
May	cfu/100mL	1	5	100	<LOR	<LOR	<LOR
June	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
July	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
August	cfu/100mL	1	5	100	<LOR	<LOR	<LOR
September	cfu/100mL	1	4	100	<LOR	<LOR	<LOR

LOR = Limit of reporting

Chemistry (General)

General	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Alkalinity	mg/L	1	12			56	99	74	97
Ammonia (Total, as N)	mg/L	0.004	12		0.5	<LOR	0.01	<LOR	0.01
Colour (True)	PCU	0.5	12		15	<LOR	<LOR	<LOR	0.5
Conductivity	uS/cm	1	12		950	350	520	431	520
Langelier Index			12			<LOR	<LOR	<LOR	-0.6
Silica	mg/L	0.1	12			11	17	15	17
Total Dissolved Salts	mg/L	1	12			230	330	277	330
Total Hardness	mg/L	0.1	12		200	41	84	58	80
Total Organic Carbon	mg/L	0.1	12			0.99	3.4	1.8	2.7
Turbidity	NTU	0.1	12		5	0.13	0.37	0.19	0.3
pH	pH Unit	0.1	12		6.5-8.5	6.9	7.9	7.4	7.7

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Chemistry (Cations)

Cations	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Calcium	mg/L	0.02	12			7.1	15	10	14
Magnesium	mg/L	0.02	12			5.7	11	8.0	10
Potassium	mg/L	0.05	12			0.85	1.9	1.3	1.9
Sodium	mg/L	0.05	12		180	50	97	69	94

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Chemistry (Anions)

Anions	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Bromide	mg/L	0.01	12			<LOR	0.05	0.02	0.04
Chloride	mg/L	1	12		250	25	50	37	49
Chlorine (Free)	mg/L	0.1	53	5		<LOR	2	0.76	1.6
Chlorine (Combined)	mg/L	0.1	53			<LOR	0.6	0.14	0.3
Chlorine (Total)	mg/L	0.1	53			<LOR	2.1	0.9	1.8
Fluoride (as F)	mg/L	0.05	12	1.5		<LOR	0.09	<LOR	0.07
Nitrate (as N)	mg/L	0.1	12	50		<LOR	<LOR	<LOR	<LOR
Nitrite (as N)	mg/L	0.1	12	3		<LOR	<LOR	<LOR	<LOR
Nitrite and Nitrate(as N)	mg/L	0.001	12			0.012	0.06	0.03	0.06
Sulfate (as SO4)	mg/L	0.1	12	500		46	120	77	115

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Chemistry (Taste and Odour)

Taste and Odour	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Geosmin	ng/L	2	12		5	<LOR	8	4	7
2-Methylisoborneol	ng/L	2	12	0	5	<LOR	3	<LOR	3

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Chemistry (Metals)

Metals	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Aluminium	mg/L	0.001	12		0.2	0.02	0.21	0.05	0.13
Barium	mg/L	0.001	12	2		0.01	0.02	0.01	0.02
Cadmium	mg/L	0.001	12	0.002		<LOR	<LOR	<LOR	<LOR
Chromium	mg/L	0.001	12	0.05		<LOR	<LOR	<LOR	<LOR
Copper	mg/L	0.001	12	2		0.003	0.054	0.003	0.01
Iron	mg/L	0.001	12		0.3	0.008	0.02	0.01	0.02
Lead	mg/L	0.001	12	0.01		<LOR	<LOR	<LOR	<LOR
Manganese	mg/L	0.001	12	0.5	0.1	0.001	0.01	<LOR	0.01
Nickel	mg/L	0.001	12	0.02		<LOR	<LOR	<LOR	<LOR
Zinc	mg/L	0.001	12		3	0.01	0.04	0.02	0.03

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Chemistry (DBP)

Disinfection By-Products	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Bromodichloromethane	ug/L	2	3			8	28	18	27
Bromoform	ug/L	2	3			<LOR	5	3	5
Chlorodibromomethane	ug/L	2	3			7	26	14	25
Chloroform	ug/L	2	3			3	44	22	44
Trihalomethanes (Total)	ug/L	0	3	250		26	83	57	81
Bromochloroacetic Acid	ug/L	10	3			<LOR	15	<LOR	<LOR
Dibromoacetic Acid	ug/L	10	3			<LOR	<LOR	<LOR	<LOR
Dichloroacetic Acid	ug/L	10	3	100		<LOR	40	<LOR	25
Monobromoacetic Acid	ug/L	10	3			<LOR	<LOR	<LOR	<LOR
Monochloroacetic Acid	ug/L	10	3	150		<LOR	<LOR	<LOR	<LOR
Trichloroacetic Acid	ug/L	10	3	100		<LOR	39	16	34
Haloacetic Acids (Total)	ug/L	60	3			<LOR	65	<LOR	<LOR
Chlorate	mg/L	0.01	3	0.7		0.15	0.49	0.33	0.49

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Microbiology (Other)

Microbiology	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Faecal Coliforms	cfu/100mL	1	53			<LOR	<LOR	<LOR	<LOR
Heterotrophic Plate Count	cfu/mL	1	53			<LOR	1600	33	28

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