Program:	Drinking Water Monitoring Program,Operational Monitoring Program,Project Program	Report Type:	Results Summary Report
AHS:	All	Entered Date Range:	-
PHU:	All	Barcode:	All
Water Utility:	All	Analysis Type:	All
Supply System:	All	Characteristics:	All
Town:	Uralla	Treatment Type:	All
Treatment Plant:	Uralla	Collected Date Range:	01-01-2000 - 04-09-2020
Source:	Kentucky Creek Dam		
Sample Site:	All		

Sample Count: 8720

Analysis Type	Characteristic	Guideline Value	Units	Mean	Median	Standard Deviation	Min	Max	Sample Count	Exception Count	95th Percentile	5th Percentile	% meeting guideline values
Chemistry													
	Aluminium	0.2000	mg/L	0.2092	0.0600	0.5792	0.005	3.85	45	9	0.67	0.01	80.00
	Antimony	0.0030	mg/L	0.0005	0.0005	0.0003	0.00005	0.0025	48	0	0.0005	0.0005	100.00
	Arsenic	0.0100	mg/L	0.0069	0.0020	0.0128	0.0005	0.05	47	5	0.042	0.0005	89.36
	Barium	2.0000	mg/L	0.0627	0.0550	0.0339	0.024	0.178	48	0	0.143	0.033	100.00
	Boron	4.0000	mg/L	0.0482	0.0500	0.0088	0.005	0.05	48	0	0.05	0.05	100.00
	Cadmium	0.0020	mg/L	0.0003	0.0003	0.0000	0.00005	0.0005	48	0	0.00025	0.00025	100.00
	Calcium	10000.0000	mg/L	17.1751	15.0100	6.5255	7.8	31.8	45	0	29.6	9.49	100.00
	Chloride	250.0000	mg/L	44.3800	37.0000	22.1277	14	101	45	0	80	17.6	100.00

Analysis Type	Characteristic	Guideline Value	Units	Mean	Median	Standard Deviation	Min	Max	Sample Count	Exception Count	95th Percentile	5th Percentile	% meeting guideline values
Chemistry	Chromium	0.0500	mg/L	0.0033	0.0025	0.0016	0.0005	0.008	48	0	0.007	0.0025	100.00
	Copper	2.0000	mg/L	0.0127	0.0025	0.0467	0.0025	0.32	48	0	0.021	0.0025	100.00
	Cyanide	0.0800	mg/L	0.0050	0.0050	0.0000	0.005	0.005	4	0	0.005	0.005	100.00
	Fluoride	1.5000	mg/L	0.9915	0.9850	0.2484	0.05	1.9	48	1	1.29	0.67	97.92
	Fluoride (WU result)	1.5000	mg/L	1.0148	1.0100	0.0645	0.9	1.14	40	0	1.1	0.92	100.00
	Fluoride Ratio	0.8 - 1.2		1.0135	1.0400	0.1436	0.57	1.27	40	5	1.27	0.8	87.50
	Iodine	0.5000	mg/L	0.0291	0.0250	0.0162	0.01	0.09	46	0	0.051	0.01	100.00
	Iron	0.3000	mg/L	0.0171	0.0100	0.0212	0.005	0.09	45	0	0.07	0.005	100.00
	Lead	0.0100	mg/L	0.0010	0.0010	0.0003	0.0001	0.0025	48	0	0.001	0.001	100.00
	Magnesium	10000.0000	mg/L	13.1191	10.8700	5.9671	3.91	30.33	45	0	22.31	6.68	100.00
	Manganese	0.5000	mg/L	0.0522	0.0290	0.0769	0.0025	0.49	48	0	0.143	0.007	100.00
	Mercury	0.0010	mg/L	0.0001	0.0001	0.0001	0.00005	0.0004	48	0	0.00025	0.00005	100.00
	Molybdenum	0.0500	mg/L	0.0027	0.0025	0.0009	0.0003	0.007	48	0	0.005	0.0025	100.00
	Nickel	0.0200	mg/L	0.0049	0.0050	0.0007	0.0009	0.005	48	0	0.005	0.005	100.00
	Nitrate	50.0000	mg/L	0.6083	0.5000	0.4653	0.5	3	48	0	1.2	0.5	100.00
	Nitrite	3.0000	mg/L	0.0667	0.0500	0.0577	0.05	0.3	48	0	0.2	0.05	100.00
	pH	6.5 - 8.5		7.9417	7.9000	0.3524	7.3	8.9	48	3	8.7	7.5	93.75
	Selenium	0.0100	mg/L	0.0011	0.0010	0.0005	0.001	0.0035	48	0	0.0025	0.001	100.00
	Silver	0.1000	mg/L	0.0010	0.0010	0.0001	0.0001	0.001	46	0	0.001	0.001	100.00
	Sodium	180.0000	mg/L	57.5688	55.5000	16.2323	24.6	104	48	0	85	35	100.00
	Sulfate	500.0000	mg/L	62.6708	56.6500	21.0063	30	116	48	0	109	34.7	100.00
	Total Dissolved Solids (TDS)	600.0000	mg/L	239.1875	224.0000	68.9050	122	395	48	0	365	152	100.00
	Total Hardness as CaCO3	200.0000	mg/L	96.9178	82.0000	40.1692	36.2	194.8	45	0	165.5	52.4	100.00
	True Colour	15.0000	Hazen Units (HU)	3.2727	3.0000	2.6975	0.5	15.9	44	1	6.9	0.5	97.73
	Turbidity	5.0000	NTU	0.8146	0.5000	1.0730	0.05	5.3	48	1	3.8	0.05	97.92

Analysis Type	Characteristic	Guideline Value	Units	Mean	Median	Standard Deviation	Min	Max	Sample Count	Exception Count	95th Percentile	5th Percentile	% meeting guideline values
Chemistry	Uranium	0.0170	mg/L	0.0023	0.0025	0.0007	0.00005	0.0025	11	0	0.0025	0.00005	100.00
	Zinc	3.0000	mg/L	0.0309	0.0100	0.0775	0.005	0.48	45	0	0.08	0.005	100.00
Fluoride Barcode													
	Fluoride	1.5000	mg/L	1.0248	1.0200	0.1374	0.51	1.75	179	1	1.23	0.83	99.44
	Fluoride (WU result)	1.5000	mg/L	1.0233	1.0200	0.0718	0.75	1.2	159	0	1.14	0.91	100.00
	Fluoride Ratio	0.8 - 1.2		1.0094	1.0200	0.1184	0.55	1.42	159	12	1.18	0.82	92.45
Microbiology													
	E. coli	0.0000	mpn/100 mL	0.3273	0.0000	6.8492	0	200	883	17	0	0	98.07
	Free Chlorine	0.2 - 5	mg/L	1.4569	1.3900	0.7585	0.05	7.2	625	2	2.94	0.33	99.68
	pH	6.5 - 8.5		7.6395	7.6200	0.3753	1.45	8.5	622	1	8.13	7.24	99.84
	Temperature	30.0000	C	16.7128	17.0000	5.1289	7.8	26.5	125	0	24.6	9.5	100.00
	Thermotolerant Coliforms	0.0000	cfu/100 mL	5.8409	0.0000	30.5096	0	200	44	5	25	0	88.64
	Total Chlorine	5.0000	mg/L	2.2164	1.8150	6.4820	0.21	162	618	5	3.87	1.14	99.19
	Total Coliforms	0.0000	mpn/100 mL	3.4009	0.0000	32.8445	0	800	883	55	1	0	93.77
	Turbidity	5.0000	NTU	0.4169	0.3000	0.4566	0.01	5.73	557	1	1.04	0.08	99.82
Operational Monitoring													
	Fluoride (daily WU)	0.9 - 1.5	mg/L	1.0091	1.0000	0.0559	0.1	1.25	5889	32	1.1	0.94	99.46
	Fluoride (weekly WU)	0.9 - 1.5	mg/L	0.9827	0.9800	0.0357	0.86	1.1	1717	19	1.04	0.92	98.89