

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:	Bundarra	Treatment Type:	All
Treatment Plant:	Bundarra	Collected Date Range:	01-01-2000 - 04-09-2020
Source:	Gwydir River		
Sample Site:	All		

Sample Count: 4136

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	0.1145	0.0600	0.1570	0.005	0.76	43	5	0.29	0.005	88.37
	Antimony	0.0030	mg/L	0.0005	0.0005	0.0003	0.0001	0.0025	50	0	0.0005	0.0005	100.00
	Arsenic	0.0100	mg/L	0.0014	0.0010	0.0010	0.0005	0.005	49	0	0.004	0.0005	100.00
	Barium	2.0000	mg/L	0.0296	0.0260	0.0113	0.0025	0.076	50	0	0.05	0.019	100.00
	Boron	4.0000	mg/L	0.0493	0.0500	0.0113	0.005	0.1	50	0	0.05	0.05	100.00
	Cadmium	0.0020	mg/L	0.0003	0.0003	0.0001	0.00005	0.0005	50	0	0.00025	0.00025	100.00
	Calcium	10000.0000	mg/L	17.0626	16.5000	5.8077	8.4	34.3	43	0	26.5	9	100.00
	Chloride	250.0000	mg/L	33.5767	27.1000	20.6161	1	105	43	0	81.4	13	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	0.0034	0.0025	0.0023	0.0005	0.012	50	0	0.008	0.0025	100.00
	Copper	2.0000	mg/L	0.0466	0.0080	0.1760	0.0025	1.243	50	0	0.117	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	0.9835	1.0250	0.2411	0.05	1.4	46	0	1.23	0.5	100.00
	Fluoride (WU result)	1.5000	mg/L	1.0594	1.0600	0.0622	0.94	1.23	31	0	1.2	0.96	100.00
	Fluoride Ratio	0.8 - 1.2		1.3323	1.0100	1.7964	0.82	11	31	2	1.24	0.85	93.55
	Iodine	0.5000	mg/L	0.0249	0.0200	0.0142	0.01	0.069	43	0	0.05	0.01	100.00
	Iron	0.3000	mg/L	0.1333	0.0200	0.2370	0.005	1.23	43	6	0.55	0.005	86.05
	Lead	0.0100	mg/L	0.0029	0.0010	0.0045	0.0001	0.025	50	4	0.012	0.001	92.00
	Magnesium	10000.0000	mg/L	11.9516	11.4100	5.4528	4.26	23.95	43	0	22.33	4.69	100.00
	Manganese	0.5000	mg/L	0.0154	0.0080	0.0204	0.0021	0.091	50	0	0.067	0.0025	100.00
	Mercury	0.0010	mg/L	0.0001	0.0001	0.0001	0.00005	0.0004	46	0	0.00025	0.00005	100.00
	Molybdenum	0.0500	mg/L	0.0026	0.0025	0.0006	0.00005	0.005	50	0	0.0025	0.0025	100.00
	Nickel	0.0200	mg/L	0.0049	0.0050	0.0008	0.0002	0.005	50	0	0.005	0.005	100.00
	Nitrate	50.0000	mg/L	0.5111	0.5000	0.0745	0.5	1	45	0	0.5	0.5	100.00
	Nitrite	3.0000	mg/L	0.0611	0.0500	0.0521	0.05	0.3	45	0	0.05	0.05	100.00
	pH	6.5 - 8.5		7.7822	7.8000	0.3228	6.9	8.4	45	0	8.2	7.2	100.00
	Selenium	0.0100	mg/L	0.0012	0.0010	0.0005	0.001	0.0035	50	0	0.0025	0.001	100.00
	Silver	0.1000	mg/L	0.0011	0.0010	0.0006	0.0001	0.005	48	0	0.001	0.001	100.00
	Sodium	180.0000	mg/L	48.5978	42.4000	20.1470	15.9	104	46	0	97.4	28	100.00
Sulfate	500.0000	mg/L	58.7065	55.9000	25.2843	0.5	185	46	0	79	40	100.00	
Total Dissolved Solids (TDS)	600.0000	mg/L	211.6222	196.0000	69.7441	118	413	45	0	364	124	100.00	
Total Hardness as CaCO3	200.0000	mg/L	91.8140	89.6000	35.6874	41.9	184.3	43	0	150.7	44.2	100.00	
True Colour	15.0000	Hazen Units (HU)	2.9000	2.0000	2.3245	0.5	9	41	0	8	0.5	100.00	
Turbidity	5.0000	NTU	1.0033	0.5000	1.4527	0.05	7.8	45	1	3.4	0.05	97.78	

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	0.0022	0.0025	0.0009	0.00005	0.0025	7	0	0.0025	0.00005	100.00
	Zinc	3.0000	mg/L	0.2160	0.0200	0.4548	0.005	2.47	43	0	0.81	0.005	100.00
Fluoride Barcode													
	Fluoride	1.5000	mg/L	0.9929	1.0100	0.1753	0.05	1.44	182	0	1.19	0.76	100.00
	Fluoride (WU result)	1.5000	mg/L	1.0574	1.0600	0.0684	0.86	1.3	126	0	1.19	0.97	100.00
	Fluoride Ratio	0.8 - 1.2		1.0385	1.0400	0.0851	0.83	1.37	126	5	1.16	0.92	96.03
Microbiology													
	E. coli	0.0000	mpn/100 mL	0.7194	0.0000	10.1202	0	200	474	13	0	0	97.26
	Free Chlorine	0.2 - 5	mg/L	0.4914	0.3250	0.6919	0	7.6	224	80	1.5	0.04	64.29
	pH	6.5 - 8.5		7.5471	7.6000	0.5519	0.25	8.3	222	1	8.04	7.2	99.55
	Temperature	30.0000	C	18.8275	18.4000	5.9557	9.7	29.1	51	0	28.3	11	100.00
	Thermotolerant Coliforms	0.0000	cfu/100 mL	0.3556	0.0000	1.5544	0	10	45	5	1	0	88.89
	Total Chlorine	5.0000	mg/L	0.7930	0.7000	0.5011	0	2.99	226	0	1.92	0.19	100.00
	Total Coliforms	0.0000	mpn/100 mL	5.1287	0.0000	26.2761	0	202	474	59	21	0	87.55
	Turbidity	5.0000	NTU	0.3229	0.2300	0.3305	0.01	2.5	213	0	0.9	0.02	100.00
Operational Monitoring													
	Fluoride (daily WU)	0.9 - 1.5	mg/L	1.0639	1.0600	0.0760	0.289	1.55	2222	32	1.16	0.974	98.56
	Fluoride (weekly WU)	0.9 - 1.5	mg/L	1.0373	1.0400	0.0627	0.57	1.4	1207	15	1.12	0.96	98.76