

Drinking Water Quality Annual Report Data 01/07/2024 to 30/06/2025

Table 33 Aesthetic (non-health related) variables															
North West Region	Alkalinity (as CaCO ₃)					Aluminium					Chloride				
Locality	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Concentration (mg/L)			Guideline Met
		Min	Max	Mean			Min	Max	Mean			Min	Max	Mean	
Broome	2	70	75	72.5	(7)	2	<0.008	<0.008	<0.008	✓	2	90	95	93	✓
Burrup	2	210	220	215	(7)	2	<0.008	<0.008	<0.008	✓	2	100	105	103	✓
Camballin	2	55	64	59.5	(7)	2	<0.008	<0.008	<0.008	✓	2	38	41	40	✓
Cape Lambert	1	230	230	230	(7)	1	<0.008	<0.008	<0.008	✓	1	120	120	120	✓
Derby	2	140	170	155	(7)	2	<0.008	<0.008	<0.008	✓	2	95	95	95	✓
Fitzroy Crossing	2	180	180	180	(7)	2	<0.008	<0.008	<0.008	✓	2	48	50	49	✓
Halls Creek	2	320	340	330	(7)	2	<0.008	<0.008	<0.008	✓	2	190	200	195	✓
Hedland	4	170	180	175	(7)	4	<0.008	<0.008	<0.008	✓	4	130	185	151	✓
Karratha	3	220	290	250	(7)	3	<0.008	<0.008	<0.008	✓	3	130	145	138	✓
Kununurra	4	170	220	198	(7)	4	<0.008	<0.008	<0.008	✓	4	15	17	16	✓
Marble Bar	2	340	340	340	(7)	2	<0.008	<0.008	<0.008	✓	2	175	185	180	✓
Newman	5	120	160	146	(7)	5	<0.008	<0.008	<0.008	✓	5	70	75	72	✓
Nullagine	2	150	200	175	(7)	2	<0.008	<0.008	<0.008	✓	2	70	85	78	✓
Onslow	4	150	170	160	(7)	4	<0.008	<0.008	<0.008	✓	4	85	95	89	✓
Point Samson	2	110	210	160	(7)	1	<0.008	<0.008	<0.008	✓	2	50	100	75	✓
Roebourne	2	210	220	215	(7)	2	<0.008	<0.008	<0.008	✓	2	100	110	105	✓
Wickham	2	210	240	225	(7)	2	<0.008	<0.008	<0.008	✓	2	110	110	110	✓
Wyndham	4	43	45	44	(7)	4	<0.008	0.012	<0.008	✓	4	36	43	39	✓

(7) No guideline value available as per ADWG 2011.

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Table 34 Aesthetic (non-health related) variables															
North West Region	Hardness					Iron					Manganese				
Locality	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Concentration (mg/L)			Guideline Met
		Min	Max	Mean			Min	Max	Mean			Min	Max	Mean	
Broome	2	47	48	48	✓	2	<0.003	0.004	<0.003	✓	2	<0.002	<0.002	<0.002	✓
Burrup	2	260	270	265	(9)	2	<0.003	0.004	<0.003	✓	2	<0.002	<0.002	<0.002	✓
Camballin	2	42	43	43	✓	2	0.015	0.015	0.015	✓	2	<0.002	<0.002	<0.002	✓
Cape Lambert	1	280	280	280	(9)	1	0.006	0.006	0.006	✓	1	<0.002	<0.002	<0.002	✓
Derby	2	14	17	16	✓	4	<0.003	0.020	0.011	✓	4	<0.002	<0.002	<0.002	✓
Fitzroy Crossing	2	160	170	165	✓	2	<0.003	<0.003	<0.003	✓	2	<0.002	<0.002	<0.002	✓
Halls Creek	2	330	340	335	(9)	2	<0.003	0.004	<0.003	✓	2	<0.002	<0.002	<0.002	✓
Hedland	4	200	240	218	(9)	4	<0.003	0.004	<0.003	✓	4	<0.002	<0.002	<0.002	✓
Karratha	3	220	360	280	(9)	3	<0.003	0.006	<0.003	✓	3	<0.002	<0.002	<0.002	✓
Kununurra	4	150	160	158	✓	4	<0.003	0.004	<0.003	✓	4	0.007	0.025	0.015	✓
Marble Bar	2	260	290	275	(9)	2	<0.003	0.004	<0.003	✓	2	<0.002	<0.002	<0.002	✓
Newman	5	150	150	150	✓	5	<0.003	0.004	<0.003	✓	5	<0.002	<0.002	<0.002	✓
Nullagine	2	170	190	180	✓	2	0.004	0.008	0.006	✓	2	<0.002	<0.002	<0.002	✓
Onslow	4	160	170	168	✓	4	<0.003	0.004	<0.003	✓	4	<0.002	<0.002	<0.002	✓
Point Samson	2	130	260	195	✓	2	<0.003	0.004	<0.003	✓	2	<0.002	<0.002	<0.002	✓
Roebourne	2	250	270	260	(9)	2	<0.003	<0.003	<0.003	✓	2	<0.002	<0.002	<0.002	✓
Wickham	2	260	270	265	(9)	2	<0.003	<0.003	<0.003	✓	2	<0.002	<0.002	<0.002	✓
Wyndham	4	46	53	49	✓	4	<0.003	0.006	0.004	✓	4	<0.002	<0.002	<0.002	✓

(9) Elevated hardness is characteristic of the source supplying this locality.

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Table 35 Aesthetic (non-health related) variables															
North West Region	pH					Silica					Sodium				
Locality	Samples Taken	Value (pH units)			Guideline Met	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Concentration (mg/L)			Guideline Met
		Min	Max	Mean			Min	Max	Mean			Min	Max	Mean	
Broome	2	8.00	8.13	8.07	✓	2	95	95	95	(15)	2	72	76	74	✓
Burrup	2	8.24	8.43	8.34	✓	2	60	60	60	✓	2	54	59	57	✓
Camballin	2	7.21	7.54	7.38	✓	2	22	23	23	✓	2	35	37	36	✓
Cape Lambert	1	8.04	8.04	8.04	✓	1	60	60	60	✓	1	67	67	67	✓
Derby	2	7.64	7.73	7.69	✓	2	14	16	15	✓	2	110	120	115	✓
Fitzroy Crossing	2	7.31	7.32	7.32	✓	2	21	21	21	✓	2	42	43	43	✓
Halls Creek	2	7.64	7.75	7.70	✓	2	46	47	47	✓	2	145	150	148	✓
Hedland	4	7.97	8.23	8.06	✓	4	50	55	53	✓	4	74	89	82	✓
Karratha	3	8.19	8.28	8.23	✓	3	25	55	39	✓	3	82	115	94	✓
Kununurra	4	7.64	7.75	7.69	✓	4	50	60	54	✓	4	24	32	29	✓
Marble Bar	2	7.42	7.68	7.55	✓	2	39	40	40	✓	2	170	175	173	✓
Newman	5	7.30	7.77	7.49	✓	5	15	17	16	✓	5	45	63	57	✓
Nullagine	2	7.40	7.40	7.40	✓	2	31	36	34	✓	2	56	73	65	✓
Onslow	4	8.12	8.26	8.17	✓	4	70	80	75	✓	4	39	43	41	✓
Point Samson	2	8.21	8.25	8.23	✓	2	50	55	53	✓	2	28	53	41	✓
Roebourne	2	8.08	8.08	8.08	✓	2	55	55	55	✓	2	58	61	60	✓
Wickham	2	7.80	8.27	8.04	✓	2	55	55	55	✓	2	59	59	59	✓
Wyndham	4	7.69	8.03	7.90	✓	4	8	10	9	✓	4	19	21	21	✓

(15) Elevated silica is characteristic of the source supplying this locality.

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Table 36 Aesthetic (non-health related) variables																				
North West Region	Sulfate					Total Dissolved Solids					True Colour					Turbidity				
Locality	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Value (TCU)			Guideline Met	Samples Taken	Value (NTU)			Guideline Met
		Min	Max	Mean			Min	Max	Mean			Min	Max	Mean			Min	Max	Mean	
Broome	2	5	5	5	✓	2	387	401	394	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Burrup	2	51	52	52	✓	2	626	631	629	(17)	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Camballin	2	33	34	34	✓	2	228	239	234	✓	2	<1	<1	<1	✓	2	<0.1	0.1	<0.1	✓
Cape Lambert	1	58	58	58	✓	1	687	687	687	(17)	1	<1	<1	<1	✓	1	<0.1	<0.1	<0.1	✓
Derby	2	5	5	5	✓	2	404	457	431	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Fitzroy Crossing	2	9	10	9	✓	2	404	409	407	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Halls Creek	2	62	63	63	✓	2	961	987	974	(17)	2	<1	1	<1	✓	2	<0.1	0.1	<0.1	✓
Hedland	4	24	33	28	✓	4	563	662	604	(17)	4	<1	<1	<1	✓	4	<0.1	0.2	<0.1	✓
Karratha	3	69	73	72	✓	3	707	834	752	(17)	3	<1	<1	<1	✓	3	<0.1	<0.1	<0.1	✓
Kununurra	4	2	2	2	✓	4	353	431	399	✓	4	<1	<1	<1	✓	4	<0.1	0.3	0.2	✓
Marble Bar	2	54	58	56	✓	2	950	980	965	(17)	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Newman	5	31	36	33	✓	5	363	429	406	✓	5	<1	<1	<1	✓	5	<0.1	0.2	<0.1	✓
Nullagine	2	47	54	51	✓	2	485	528	507	✓	2	<1	2	<1	✓	2	0.2	0.2	0.2	✓
Onslow	4	9	10	9	✓	4	459	494	477	✓	4	<1	<1	<1	✓	4	<0.1	0.2	<0.1	✓
Point Samson	2	16	47	32	✓	2	336	599	468	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Roebourne	2	47	52	50	✓	2	613	649	631	(17)	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Wickham	2	51	51	51	✓	2	628	670	649	(17)	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Wyndham	4	0	0	0	✓	4	141	153	145	✓	4	<1	<1	<1	✓	4	<0.1	<0.1	<0.1	✓

(17) Elevated TDS is a characteristic of the source supplying this locality.