

Drinking Water Quality Annual Report Data 01/07/2023 to 30/06/2024

Table 28 Aesthetic (non-health related) variables

North West Region	Aesthetic (non-health related) variables																			
	Alkalinity (as CaCO ₃)					Aluminium					Chloride					Hardness				
	Locality	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Concentration (mg/L)		
Min			Max	Mean	Min			Max	Mean	Min			Max	Mean	Min			Max	Mean	
Broome	2	73	79	76	(1)	2	<0.008	<0.008	<0.008	✓	2	90	95	93	✓	2	43	46	45	✓
Burrup	2	140	200	170	(1)	2	<0.008	<0.008	<0.008	✓	2	60	85	73	✓	2	150	230	190	✓
Camballin	2	54	60	57	(1)	2	<0.008	<0.008	<0.008	✓	2	40	40	40	✓	2	42	43	43	✓
Cape Lambert	2	200	200	200	(1)	2	<0.008	<0.008	<0.008	✓	2	80	95	88	✓	2	230	250	240	(2)
Derby	3	150	170	157	(1)	3	<0.008	<0.008	<0.008	✓	3	90	90	90	✓	3	12	17	14	✓
Fitzroy Crossing	2	170	190	180	(1)	2	<0.008	<0.008	<0.008	✓	2	50	50	50	✓	2	160	170	165	✓
Halls Creek	2	320	360	340	(1)	2	<0.008	<0.008	<0.008	✓	2	175	190	183	✓	2	330	330	330	(2)
Hedland	4	160	190	178	(1)	4	<0.008	<0.008	<0.008	✓	4	140	195	168	✓	4	220	240	225	(2)
Karratha	1	170	170	170	(1)	1	<0.008	<0.008	<0.008	✓	1	80	80	80	✓	1	180	180	180	✓
Kununurra	4	190	220	210	(1)	4	<0.008	<0.008	<0.008	✓	4	17	21	18	✓	4	160	160	160	✓
Marble Bar	2	380	390	385	(1)	2	<0.008	<0.008	<0.008	✓	2	190	195	193	✓	2	290	300	295	(2)
Newman	4	130	160	148	(1)	4	<0.008	<0.008	<0.008	✓	4	65	80	71	✓	4	140	150	143	✓
Nullagine	2	140	160	150	(1)	2	<0.008	<0.008	<0.008	✓	2	65	85	75	✓	2	160	200	180	✓
Onslow	4	170	180	175	(1)	4	<0.008	<0.008	<0.008	✓	4	75	85	78	✓	4	160	170	163	✓
Point Samson	2	190	200	195	(1)	2	<0.008	<0.008	<0.008	✓	2	80	100	90	✓	2	220	240	230	(2)
Roebourne	2	170	210	190	(1)	2	<0.008	<0.008	<0.008	✓	2	70	95	83	✓	2	180	240	210	(2)
Wickham	2	170	210	190	(1)	2	<0.008	<0.008	<0.008	✓	2	70	100	85	✓	2	180	250	215	(2)
Wyndham	4	42	61	49	(1)	3	<0.008	0.016	<0.008	✓	4	39	44	42	✓	4	49	58	54	✓

(1) No guideline value available as per ADWG 2011. (2) Elevated hardness is characteristic of the source supplying this locality.

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Table 29 Aesthetic (non-health related) variables

North West Region	Aesthetic (non-health related) variables																			
	Iron					Manganese					pH					Silica				
	Locality	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Value (pH units)			Guideline Met	Samples Taken	Concentration (mg/L)		
Min			Max	Mean	Min			Max	Mean	Min			Max	Mean	Min			Max	Mean	
Broome	2	<0.003	0.004	<0.003	✓	2	<0.002	<0.002	<0.002	✓	2	7.86	8.19	8.03	✓	2	90	90	90	(1)
Burrup	2	<0.003	0.004	<0.003	✓	2	<0.002	<0.002	<0.002	✓	2	8.43	8.44	8.44	✓	2	49	60	55	✓
Camballin	2	0.008	0.010	0.009	✓	2	<0.002	<0.002	<0.002	✓	2	7.28	7.74	7.51	✓	2	23	23	23	✓
Cape Lambert	2	<0.003	0.006	<0.003	✓	2	<0.002	<0.002	<0.002	✓	2	7.91	8.24	8.08	✓	2	50	55	53	✓
Derby	4	0.004	0.008	0.006	✓	4	<0.002	<0.002	<0.002	✓	3	7.73	7.87	7.81	✓	3	15	16	15	✓
Fitzroy Crossing	2	<0.003	<0.003	<0.003	✓	2	<0.002	<0.002	<0.002	✓	2	7.53	7.54	7.54	✓	2	20	21	21	✓
Halls Creek	2	<0.003	0.004	<0.003	✓	2	<0.002	<0.002	<0.002	✓	2	7.40	7.79	7.60	✓	2	45	47	46	✓
Hedland	4	<0.003	<0.003	<0.003	✓	4	<0.002	<0.002	<0.002	✓	4	7.82	8.04	7.94	✓	4	50	55	51	✓
Karratha	1	<0.003	<0.003	<0.003	✓	1	<0.002	<0.002	<0.002	✓	1	8.23	8.23	8.23	✓	1	33	33	33	✓
Kununurra	4	<0.003	<0.003	<0.003	✓	4	0.003	0.007	0.005	✓	4	7.61	7.91	7.77	✓	4	50	55	53	✓
Marble Bar	2	<0.003	0.010	0.005	✓	2	<0.002	<0.002	<0.002	✓	2	7.43	7.52	7.48	✓	2	38	40	39	✓
Newman	4	<0.003	0.006	<0.003	✓	4	<0.002	<0.002	<0.002	✓	4	6.78	7.40	7.13	✓	4	16	16	16	✓
Nullagine	2	<0.003	<0.003	<0.003	✓	2	<0.002	<0.002	<0.002	✓	2	6.87	7.46	7.17	✓	2	32	32	32	✓
Onslow	4	<0.003	<0.003	<0.003	✓	4	<0.002	<0.002	<0.002	✓	4	7.96	8.21	8.14	✓	4	70	75	71	✓
Point Samson	2	<0.003	0.008	0.004	✓	2	<0.002	<0.002	<0.002	✓	2	8.05	8.18	8.12	✓	2	50	55	53	✓
Roebourne	2	<0.003	<0.003	<0.003	✓	2	<0.002	<0.002	<0.002	✓	2	7.74	8.13	7.94	✓	2	50	55	53	✓
Wickham	2	<0.003	<0.003	<0.003	✓	2	<0.002	<0.002	<0.002	✓	2	8.04	8.33	8.19	✓	2	50	55	53	✓
Wyndham	4	<0.003	0.025	0.009	✓	4	<0.002	0.020	0.005	✓	4	7.63	8.12	7.85	✓	4	8	12	10	✓

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

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Table 30

North West Region	Aesthetic (non-health related) variables																								
	Sodium					Sulfate					Total Dissolved Solids					True Colour					Turbidity				
	Locality	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Concentration (mg/L)			Guideline Met	Samples Taken	Value (TCU)			Guideline Met	Samples Taken	Value (NTU)		
Min			Max	Mean	Min			Max	Mean	Min			Max	Mean	Min			Max	Mean	Min			Max	Mean	Min
Broome	2	74	74	74	✓	2	4	5	5	✓	2	392	392	392	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Burrup	2	35	49	42	✓	2	22	36	29	✓	2	400	565	483	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Camballin	2	36	36	36	✓	2	33	34	34	✓	2	226	235	231	✓	2	<1	<1	<1	✓	2	<0.1	0.1	<0.1	✓
Cape Lambert	2	48	52	50	✓	2	37	43	40	✓	2	548	574	561	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Derby	3	110	125	117	✓	3	5	5	5	✓	3	420	455	433	✓	3	<1	<1	<1	✓	3	<0.1	<0.1	<0.1	✓
Fitzroy Crossing	2	40	43	42	✓	2	9	9	9	✓	2	395	423	409	✓	2	<1	<1	<1	✓	2	<0.1	0.1	<0.1	✓
Halls Creek	2	145	150	148	✓	2	62	65	64	✓	2	947	987	967	(2)	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Hedland	4	83	96	90	✓	4	27	35	31	✓	4	599	659	637	(2)	4	<1	<1	<1	✓	4	<0.1	0.2	<0.1	✓
Karratha	1	58	58	58	✓	1	49	49	49	✓	1	492	492	492	✓	1	<1	<1	<1	✓	1	<0.1	<0.1	<0.1	✓
Kununurra	4	29	32	30	✓	4	2	2	2	✓	4	391	429	417	✓	4	<1	<1	<1	✓	4	<0.1	<0.1	<0.1	✓
Marble Bar	2	190	190	190	(1)	2	60	60	60	✓	2	1053	1055	1054	(2)	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Newman	4	47	58	55	✓	4	31	36	33	✓	4	382	413	400	✓	4	<1	<1	<1	✓	4	<0.1	0.2	<0.1	✓
Nullagine	2	52	57	55	✓	2	42	54	48	✓	2	420	502	461	✓	2	<1	<1	<1	✓	2	0.1	0.2	0.2	✓
Onslow	4	39	42	41	✓	4	9	9	9	✓	4	473	486	477	✓	4	<1	<1	<1	✓	4	<0.1	<0.1	<0.1	✓
Point Samson	2	47	51	49	✓	2	36	42	39	✓	2	536	576	556	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Roebourne	2	40	53	47	✓	2	29	44	37	✓	2	469	592	531	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Wickham	2	40	56	48	✓	2	29	46	38	✓	2	469	611	540	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Wyndham	4	18	22	21	✓	4	0.12	0.24	0.15	✓	4	138	178	157	✓	4	<1	<1	<1	✓	4	<0.1	0.3	<0.1	✓

(1) Elevated Sodium is a characteristic of the source supplying this locality. (2) Elevated TDS is a characteristic of the source supplying this locality.