

Drinking Water Quality Annual Report Data 01/07/2010 to 30/06/2011

Table 23 Aesthetic (Non-health related) Variables

North West																				
Aluminium					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	Samples Taken	Concentration (mg/L)			Guideline Met
		Min	Max	Mean			Min	Max	Mean			Min	Max	Mean			Min	Max	Mean	
Argyle & Ord	2	0.020	0.045	0.035	✓	2	70	85	78	✓	2	0.025	0.050	0.040	✓	2	0.003	0.003	0.003	✓
Broome	4	<0.008	<0.008	<0.008	✓	4	60	65	64	✓	4	<0.003	0.010	<0.003	✓	4	<0.002	<0.002	<0.002	✓
Burrup LNG	2	<0.008	0.014	<0.008	✓	2	280	350	315	(1)	2	<0.003	0.070	0.035	✓	2	<0.002	<0.002	<0.002	✓
Burrup Supply	2	0.008	0.014	0.011	✓	2	290	330	310	(1)	2	<0.003	0.060	0.030	✓	2	<0.002	<0.002	<0.002	✓
Camballin	2	<0.008	<0.008	<0.008	✓	2	40	45	43	✓	2	0.020	0.030	0.025	✓	2	<0.002	<0.002	<0.002	✓
Cape Lambert TWS	2	0.014	0.018	0.016	✓	2	130	220	175	✓	2	<0.003	0.050	0.025	✓	2	<0.002	<0.002	<0.002	✓
Derby	2	0.010	0.010	0.010	✓	2	13	15	14	✓	2	0.004	0.020	0.012	✓	2	<0.002	<0.002	<0.002	✓
Fitzroy Crossing	2	0.010	0.010	0.010	✓	2	160	160	160	✓	2	<0.003	0.008	0.004	✓	2	<0.002	<0.002	<0.002	✓
Halls Creek	4	<0.008	<0.008	<0.008	✓	4	250	300	273	(1)	4	<0.003	<0.003	<0.003	✓	4	<0.002	<0.002	<0.002	✓
Hedland	4	<0.008	<0.008	<0.008	✓	4	230	270	248	(1)	4	<0.003	<0.003	<0.003	✓	4	<0.002	<0.002	<0.002	✓
Karratha	2	0.016	0.020	0.018	✓	2	150	170	160	✓	2	0.004	0.006	0.005	✓	2	<0.002	<0.002	<0.002	✓
Kununurra	2	<0.008	<0.008	<0.008	✓	2	160	160	160	✓	2	<0.003	<0.003	<0.003	✓	2	<0.002	0.003	<0.002	✓
Marble Bar	4	<0.008	<0.008	<0.008	✓	4	350	430	403	(1)	4	<0.003	<0.003	<0.003	✓	4	<0.002	<0.002	<0.002	✓
Newman	2	<0.008	<0.008	<0.008	✓	2	400	420	410	(1)	2	<0.003	0.004	<0.003	✓	2	<0.002	<0.002	<0.002	✓
Nullagine	4	<0.008	<0.008	<0.008	✓	4	130	310	230	(1)	4	<0.003	0.006	0.004	✓	4	<0.002	<0.002	<0.002	✓
Onslow TWS	2	<0.008	<0.008	<0.008	✓	2	170	190	180	✓	2	<0.003	<0.003	<0.003	✓	2	<0.002	<0.002	<0.002	✓
Point Samson	2	0.016	0.025	0.021	✓	2	130	220	175	✓	2	0.004	0.004	0.004	✓	2	<0.002	<0.002	<0.002	✓
Roebourne	2	0.025	0.035	0.030	✓	2	95	170	133	✓	2	<0.003	0.006	<0.003	✓	2	<0.002	0.008	0.004	✓
Wickham	2	0.020	0.020	0.020	✓	2	95	200	148	✓	2	0.004	0.006	0.005	✓	2	<0.002	0.003	<0.002	✓
Wyndham	4	0.012	0.035	0.021	✓	4	35	35	35	✓	4	<0.003	<0.003	<0.003	✓	4	<0.002	<0.002	<0.002	✓

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

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Table 24 Aesthetic (Non-health related) Variables

North West																				
pH					TDS					True Colour					Turbidity					
Locality	Samples Taken	Value (pH units)			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	
Argyle & Ord	2	7.62	8.08	7.89	✓	2	169	209	188	✓	2	<1	<1	<1	✓	2	0.5	1.2	0.8	✓
Broome	4	6.39	6.69	6.58	✓	4	341	361	352	✓	4	<1	<1	<1	✓	4	<0.1	<0.1	<0.1	✓
Burrup LNG	2	7.98	8.29	8.14	✓	2	678	758	718	(1)	2	<1	<1	<1	✓	2	<0.1	1	0.5	✓
Burrup Supply	2	7.96	8.32	8.14	✓	2	683	752	718	(1)	2	<1	<1	<1	✓	2	<0.1	1.3	0.7	✓
Camballin	2	7.25	7.33	7.29	✓	2	225	240	233	✓	2	<1	<1	<1	✓	2	<0.1	0.2	<0.1	✓
Cape Lambert TWS	2	8.13	8.13	8.13	✓	2	308	518	413	✓	2	<1	<1	<1	✓	2	<0.1	0.1	<0.1	✓
Derby	2	7.90	8.08	7.99	✓	2	413	460	437	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Fitzroy Crossing	2	7.66	7.71	7.69	✓	2	362	365	364	✓	2	<1	<1	<1	✓	2	<0.1	1.3	0.7	✓
Halls Creek	4	7.87	8.06	7.93	✓	4	777	976	915	(1)	4	<1	<1	<1	✓	4	<0.1	<0.1	<0.1	✓
Hedland	4	7.82	8.10	7.94	✓	4	706	767	728	(1)	4	<1	<1	<1	✓	4	<0.1	<0.1	<0.1	✓
Karratha	2	7.87	7.89	7.88	✓	2	350	437	394	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Kununurra	2	7.97	8.08	8.03	✓	2	435	437	436	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Marble Bar	4	7.54	7.83	7.70	✓	4	1149	1268	1222	(1)	4	<1	<1	<1	✓	4	<0.1	<0.1	<0.1	✓
Newman	2	8.02	8.20	8.11	✓	2	793	841	817	(1)	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Nullagine	4	7.25	7.91	7.61	✓	4	476	688	613	(1)	4	<1	<1	<1	✓	4	<0.1	0.2	<0.1	✓
Onslow TWS	2	8.01	8.11	8.06	✓	2	418	453	436	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Point Samson	2	8.16	8.28	8.22	✓	2	312	530	421	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Roebourne	2	7.99	8.09	8.04	✓	2	224	436	330	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Wickham	2	8.08	8.18	8.13	✓	2	232	475	354	✓	2	<1	<1	<1	✓	2	<0.1	<0.1	<0.1	✓
Wyndham	4	7.97	8.39	8.18	✓	4	120	140	129	✓	4	<1	<1	<1	✓	4	<0.1	0.2	<0.1	✓

(1) Elevated TDS is a natural characteristic of the sources supplying this locality.