

SUMMARY OF WATER QUALITY MONITORING RESULTS																
		AR-1	AR-2	AR-3	AR-4	AR-5	AR-6	AR-7	AR-8	AR-9	AR-10	AR-11	AR-12	AR-13	AR-14	AR-15
Hardness as CaCO3 (mg/L)																
	Max	17.9	18.0	20.1	16.0	17.6	18.1	19.6	17.3	17.9	23.7	18.1	16.7	23.0	19.0	26.4
DRY	Avg	13.6	15.3	17.7	14.5	15.3	15.9	12.5	13.0	15.3	20.7	16.0	15.6	17.4	17.2	25.0
	Min	10.5	11.3	14.3	12.4	11.4	11.2	7.9	7.9	13.3	12.3	12.9	14.3	13.2	16.2	23.3
	Max	13.2	15.0	16.1	13.8	17.4	16.3	15.2	14.4	15.9	21.9	15.3	13.7	13.7	18.8	22.5
WET	Avg	12.3	13.7	15.3	13.0	14.4	14.8	11.8	12.1	14.2	16.9	14.2	13.7	13.1	15.9	21.1
	Min	10.8	12.7	14.6	12.0	10.8	11.8	8.3	7.6	10.6	12.7	13.4	13.7	12.4	14.6	19.6
Total Phosphorus (TP, mg/L)																
	Max	0.052	0.047	0.416	0.045	0.045	0.050	0.075	0.354	0.049	0.055	0.048	0.049	0.201	0.076	0.095
DRY	Avg	0.038	0.016	0.077	0.019	0.025	0.024	0.055	0.065	0.020	0.039	0.023	0.021	0.138	0.022	0.029
	Min	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.043	0.001	0.001
	Max	0.075	0.097	0.371	0.800	0.037	0.405	0.482	0.287	0.060	0.530	0.079	0.055	0.082	0.147	0.319
WET	Avg	0.051	0.059	0.180	0.344	0.015	0.088	0.125	0.053	0.022	0.298	0.022	0.028	0.062	0.022	0.074
	Min	0.020	0.036	0.056	0.069	0.001	0.001	0.001	0.001	0.001	0.044	0.001	0.001	0.047	0.001	0.001
Soluble Reactive Phosphorus (SRP, mg/L)																
	Max	0.070	0.090	0.029	0.052	0.050	0.014	0.060	0.014	0.060	0.060	0.020	0.050	0.157	0.100	0.080
DRY	Avg	0.023	0.019	0.011	0.015	0.014	0.008	0.020	0.008	0.015	0.016	0.009	0.013	0.092	0.020	0.018
	Min	0.008	0.008	0.008	0.008	0.008	0.006	0.008	0.008	0.008	0.008	0.008	0.007	0.008	0.008	0.008
	Max	0.148	0.026	0.192	0.297	0.066	0.008	0.115	0.082	0.008	0.008	0.065	0.051	0.099	0.076	0.197
WET	Avg	0.061	0.014	0.069	0.106	0.027	0.008	0.045	0.021	0.008	0.007	0.032	0.051	0.070	0.024	0.074
	Min	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.006	0.008	0.051	0.040	0.008	0.008
Total Kjeldahl Nitrogen (TKN, mg/L)																
	Max	0.88	0.82	1.78	2.05	0.82	2.32	0.94	1.26	1.37	1.42	0.67	0.37	9.16	0.95	1.55
DRY	Avg	0.31	0.20	0.46	0.34	0.23	0.44	0.40	0.64	0.39	0.39	0.26	0.17	3.75	0.30	0.37
	Min	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	Max	2.40	0.22	0.99	1.01	0.96	0.96	0.78	0.81	0.18	0.69	0.93	0.32	3.07	0.59	1.18
WET	Avg	0.96	0.13	0.52	0.56	0.26	0.33	0.49	0.47	0.08	0.30	0.40	0.32	1.97	0.28	0.41
	Min	0.03	0.03	0.03	0.03	0.03	0.03	0.07	0.12	0.03	0.10	0.03	0.32	0.43	0.03	0.03
Ammonia (NH₃-N, mg/L)																
	Max	0.060	0.041	0.037	0.033	0.029	0.025	0.150	0.384	0.064	0.200	0.139	0.212	6.730	0.221	0.171
DRY	Avg	0.023	0.015	0.018	0.013	0.012	0.011	0.048	0.097	0.033	0.060	0.039	0.046	3.372	0.059	0.055
	Min	0.010	0.008	0.010	0.010	0.006	0.005	0.010	0.009	0.010	0.010	0.010	0.007	0.010	0.010	0.010
	Max	0.035	0.017	0.010	0.108	0.010	0.415	0.222	0.156	0.095	0.168	0.214	0.182	1.980	0.198	0.204
WET	Avg	0.024	0.012	0.010	0.041	0.010	0.111	0.087	0.068	0.038	0.116	0.105	0.182	1.439	0.060	0.065
	Min	0.010	0.010	0.009	0.004	0.010	0.010	0.010	0.010	0.010	0.079	0.010	0.182	0.617	0.010	0.010

(1/2 the detection limit was used to compute values when results were reported as below detection limit)

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Nitrate/Nitrite-Nitrogen (NO₃/NO₂-N, mg/L)																
	Max	0.510	0.405	0.774	0.467	1.670	0.582	0.210	0.392	3.260	1.060	0.665	0.516	1.460	0.911	0.660
DRY	Avg	0.206	0.228	0.501	0.321	0.383	0.304	0.069	0.221	0.671	0.785	0.529	0.360	0.848	0.451	0.460

	Min	0.009	0.009	0.009	0.097	0.070	0.149	0.009	0.065	0.018	0.077	0.320	0.185	0.519	0.191	0.278
	Max	0.488	1.560	0.806	0.503	0.446	0.623	0.429	0.447	4.050	1.290	0.789	0.506	1.010	0.689	0.699
WET	Avg	0.328	0.749	0.494	0.230	0.327	0.355	0.194	0.236	0.837	0.808	0.544	0.363	0.713	0.364	0.483
	Min	0.189	0.220	0.292	0.080	0.217	0.154	0.009	0.080	0.009	0.505	0.376	0.221	0.454	0.009	0.357
Total Nitrogen (TN, mg/L)																
	Max	1.21	1.05	2.55	2.52	1.70	2.66	1.07	1.40	3.29	2.48	1.17	0.89	10.62	1.36	2.12
DRY	Avg	0.51	0.43	0.96	0.66	0.61	0.75	0.47	0.86	1.06	1.18	0.79	0.53	4.60	0.75	0.83
	Min	0.07	0.04	0.30	0.13	0.10	0.26	0.13	0.34	0.23	0.11	0.35	0.21	0.55	0.22	0.38
	Max	2.59	1.59	1.28	1.12	1.29	1.26	1.11	1.11	4.23	1.39	1.31	0.83	3.74	1.28	1.88
WET	Avg	1.28	0.88	1.02	0.79	0.61	0.80	0.72	0.73	1.78	1.11	0.95	0.83	2.68	0.67	0.92
	Min	0.52	0.44	0.84	0.53	0.25	0.43	0.32	0.49	0.25	0.74	0.51	0.83	0.88	0.04	0.39
Total Suspended Solids (TSS, mg/L)																
	Max	52	38	7	12	7	10	24	10	8	7	8	7	7	9	9
DRY	Avg	13	9	3	5	4	5	10	5	4	4	4	4	3	6	5
	Min	1	1	1	1	2	1	4	1	1	1	1	1	1	2	3
	Max	30	52	287	654	29	122	59	54	23	250	23	11	17	137	136
WET	Avg	13	22	112	281	13	21	25	16	6	94	13	10	14	25	49
	Min	4	6	5	7	4	1	3	1	1	3	8	8	9	1	1
Total Dissolved Solids (TDS, mg/L)																
	Max	75	90	64	71	62	65	88	71	70	91	63	69	124	64	76
DRY	Avg	60	60	56	53	54	51	57	48	49	60	52	55	91	55	67
	Min	50	44	41	40	31	40	32	4	9	14	43	43	59	47	57
	Max	66	68	84	77	59	70	75	71	64	65	63	56	93	2460	94
WET	Avg	60	63	68	70	55	59	55	58	55	56	57	56	72	542	72
	Min	53	56	50	62	48	50	46	47	50	48	46	56	53	44	60
Total Organic Carbon (TOC, mg/L)																
	Max	5.91	7.82	7.16	6.31	7.58	5.61	8.39	9.81	6.80	7.10	5.85	6.46	12.90	6.60	7.21
DRY	Avg	2.51	3.73	3.27	2.50	3.64	3.19	4.74	4.42	3.49	2.49	1.86	2.18	6.49	2.20	2.15
	Min	0.01	2.02	2.30	0.01	2.30	1.90	2.90	1.84	1.96	0.01	0.01	0.01	3.80	0.01	0.01
	Max	4.41	5.04	7.03	6.90	5.11	7.33	6.20	8.97	4.38	5.89	3.65	2.68	6.98	5.78	4.84
WET	Avg	3.00	3.92	5.62	5.15	3.95	4.25	4.54	4.78	3.00	4.08	2.47	2.68	5.46	3.07	3.11
	Min	2.30	2.70	3.00	2.50	2.50	2.40	3.11	3.41	2.37	2.40	1.50	2.68	3.94	1.50	1.30
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Dissolved Organic Carbon (DOC, mg/L)																
	Max	2.60	3.44	2.40	2.39	3.25	3.87	5.42	4.72	2.72	1.80	2.00	3.55	5.20	3.24	1.90
DRY	Avg	1.67	2.47	1.88	1.67	2.30	1.87	3.66	3.26	2.14	1.33	1.19	1.70	3.88	1.58	1.28
	Min	0.04	0.04	0.04	0.04	0.04	0.04	2.10	2.58	1.50	0.04	0.04	0.04	2.60	0.04	0.04
	Max	3.80	4.18	5.39	5.62	4.09	5.30	4.89	3.68	3.08	3.10	3.13	2.36	4.56	4.42	3.24
WET	Avg	2.43	2.80	3.66	4.21	2.96	2.76	2.89	2.98	2.04	2.61	2.09	2.36	3.86	2.22	2.31
	Min	1.60	1.90	2.30	1.70	1.60	1.50	0.04	2.50	1.40	1.70	1.29	2.36	2.80	1.20	1.40

CBOD₅ (mg/L)																
	Max	1.60	2.40	2.10	1.20	1.60	1.20	0.90	2.50	2.60	1.20	1.25	0.80	2.30	0.80	1.20
DRY	Avg	0.54	0.61	0.86	0.56	0.61	0.60	0.48	0.86	0.88	0.69	0.56	0.43	0.84	0.41	0.57
	Min	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	Max	2.20	2.10	2.20	2.05	1.20	0.50	1.80	1.50	0.90	2.40	1.60	0.45	1.60	1.70	2.50
WET	Avg	0.83	1.05	0.92	0.90	0.41	0.22	0.47	0.49	0.34	1.12	0.79	0.45	1.23	0.56	1.02
	Min	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.45	1.00	0.15	0.15
Chemical Oxygen Demand (COD, mg/L)																
	Max	11.7	12.0	12.3	10.0	11.6	12.0	20.2	15.1	10.1	12.7	3.7	2.1	28.4	2.1	2.1
DRY	Avg	3.9	3.7	5.1	3.8	5.0	3.8	9.2	6.2	4.3	3.7	2.3	2.1	12.4	2.1	2.1
	Min	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	Max	23.2	9.7	29.2	35.1	14.3	15.2	32.1	32.1	11.4	20.3	20.3	2.1	26.2	29.2	17.3
WET	Avg	10.2	5.7	14.2	15.2	8.1	6.7	19.9	14.5	6.7	8.1	8.1	2.1	17.4	13.6	12.8
	Min	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	11.7	2.1	9.6
Fecal coliform (cfu/100 ml)																
	Max	2500	2450	9900	7300	3300	7200	18000	2700	2600	80000	6600	6000	4100	5800	15000
DRY	Avg	1325	693	2570	1553	951	1319	6078	1150	771	21006	1713	1473	2006	1271	2624
	Min	620	1	660	250	140	90	260	300	90	220	335	120	1	140	270
	Max	32000	33800	36000	32000	75000	40800	100000	34000	31600	58000	15500	4000	42000	18000	34000
WET	Avg	11047	11840	23080	16807	26120	6470	33391	10702	5261	28333	5125	3025	19767	2981	7829
	Min	540	720	1240	420	1	220	760	560	320	6000	900	2050	1700	125	500
E. Coli (MPN/100 ml)																
	Max	800	800	3000	2200	230	700	800	16000	230	16000	300	170	1250	170	170
DRY	Avg	380	258	926	451	124	240	165	2231	88	2854	143	79	449	86	98
	Min	1	1	110	40	20	40	20	14	20	50	20	40	1	1	40
	Max	3000	800	5000	9000	1300	2200	16000	800	1300	16000	2700	300	3000	3000	2400
WET	Avg	1150	353	2667	3843	686	479	3187	284	247	8500	918	278	1640	523	607
	Min	220	130	1300	130	20	40	40	40	20	500	170	255	220	10	1

(1/2 the detection limit was used to compute values when results were reported as below detection limit)