

Table 2 Routine Analysis

Parameter	Unit	S1 Jul	S1 Aug	S2 Jul	S2 Aug	S3 Jul	S3 Aug	S4 Jul	S4 Aug
pH		8.51	8.43	8.36	8.6	8.36	8.67	8.37	8.27
Temperature	C	20.6	19.9	20.9	20.1	20.9	20.2	21	20.2
Electrical Conductivity	uS/cm at 25C	241	234	255	251	255	246	258	259
Ca	mg/L	26.3	25.5	29.4	29.2	29.2	28.8	29.4	30.3
Mg	mg/L	7.9	8.4	7.9	8.4	7.9	8.5	7.9	8.7
Na	mg/L	12.7	14.8	12.7	14	12.6	14.2	12.8	14.8
K-N	mg/L	3.5	4.5	3.8	4	3.7	3.9	3.7	3.9
Fecal Coliforms	mg/L	0.06	0.12	0.05	0.05	0.04	0.04	0.03	0.03
Mn	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cl	mg/L	3.9	4.4	4	4	3.9	4.1	3.9	4.1
Nitrate-N	mg/L	0.02	0.12	0.02	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrite-N	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nitrate and Nitrite-N	mg/L	0.02	0.02	0.02	<0.01	<0.01	<0.01	<0.01	<0.01
SO4	mg/L	7.9	7.2	8.7	8.4	8.8	8.3	9.2	8.9
Hydroxide	mg/L	<5	<5	<5	<5	<5	<5	<5	<5
Carbonate	mg/L	<6	<6	<6	<6	<6	6	<6	<6
Bicarbonate	mg/L	143	143	152	155	153	139	152	159
P-Alkalinity	mg/L	<5	<5	<5	<5	<5	5	<5	<5
T-Alkalinity	mg/L	118	117	125	127	125	124	125	131
TDS	mg/L	133	135	141	144	141	142	142	149
Hardness	mg/L	98	98	110	110	110	110	110	110
Ionic Balance	%	99	105	99	102	99	103	99	102

Samples were collected July 10, 2014 and August 27, 2014