

## Supplementary. Raw data tables

**Table S1: Annex 1.** The raw data used for physicochemical analysis. Footnote references is added below table.

Year	Season	Location	City	Sampling point	pH	T	Sal	Turb	EC	ORP	DO	TDS	NO2-	NO3-	Cr (VI)	Fe2+	SO <sub>4</sub> <sup>2-</sup>	P	Alk	Cu	SO <sub>4</sub> <sup>2-</sup>	Hardness	Residual chlorine
								(UNT )	(µs/cm2)	mv	(mg/l)	(mg/l)	0-0.5 mg/l N	0-1 mg/l N	0-1 mg/l	0-10 mg/l	0-200 mg/l	0-100 mg/l	0 -500 mg/l CaCO <sub>3</sub>	0-5 mg/l	0-500 mg/l Na <sub>2</sub> SO <sub>3</sub>	0-500 mg/l CaCO <sub>3</sub>	mg/l
2019	Dry	H3A	Bissau	Hole	8.60	30.10	0.26	0.58	530.00	201.60	1.25	185.00	0.01	0.36	0.12	0.00	0.00	34.70	205.00	0.04	14.00	0.00	0.10
2019	Dry	H3A	Bissau	Hole	8.20	30.00	0.26	0.59	530.00	202.00	1.27	187.00	0.01	0.37	0.13	0.00	0.00	34.63	204.80	0.05	13.60	0.00	0.11
2019	Dry	H3A	Bissau	Hole	8.10	29.58	0.26	0.61	525.00	199.00	1.19	182.00	0.01	0.40	0.15	0.00	0.00	35.00	209.00	0.05	15.20	0.00	0.10
2019	Dry	H3A	Bissau	Hole	8.15	31.00	0.26	0.65	534.00	205.00	1.26	189.00	0.01	0.39	0.15	0.00	0.00	32.45	208.98	0.05	14.23	0.00	0.12
2019	Dry	H3A	Bissau	Hole	8.55	30.00	0.26	0.59	529.00	200.00	1.20	181.96	0.01	0.36	0.14	0.00	0.00	34.10	205.16	0.04	13.69	0.00	0.10
2019	Dry	H3A	Bissau	Hole	8.60	31.00	0.26	0.58	526.00	196.00	1.17	179.68	0.01	0.38	0.12	0.00	0.00	34.85	206.70	0.05	14.10	0.00	0.10
2019	Dry	H3A	Bissau	Tap	8.58	30.90	0.26	0.48	525.00	151.40	3.25	186.00	0.01	0.50	0.08	0.00	0.00	24.00	205.00	0.06	17.00	10.00	0.02
2019	Dry	H3A	Bissau	Tap	8.50	30.81	0.26	0.46	522.00	150.48	3.27	186.79	0.00	0.49	0.09	0.00	0.00	23.95	205.00	0.05	16.56	9.68	0.01
2019	Dry	H3A	Bissau	Tap	8.49	30.10	0.26	0.50	532.00	162.00	3.38	187.32	0.00	0.52	0.08	0.00	0.00	25.20	219.03	0.07	17.00	10.24	0.02
2019	Dry	H3A	Bissau	Tap	7.98	31.00	0.26	0.51	498.00	159.00	3.10	184.65	0.01	0.51	0.07	0.00	0.00	24.52	199.78	0.07	17.20	10.78	0.02
2019	Dry	H3A	Bissau	Tap	8.62	29.00	0.26	0.49	502.00	149.00	3.00	189.21	0.01	0.49	0.08	0.00	0.00	23.89	204.85	0.06	15.87	9.87	0.01
2019	Dry	H3A	Bissau	Tap	8.59	31.00	0.26	0.52	509.00	152.63	3.10	186.02	0.00	0.53	0.07	0.00	0.00	23.09	205.36	0.07	16.45	11.20	0.02
2019	Dry	H3A	Bissau	Fountain	8.59	29.60	0.26	0.98	523.00	150.80	3.56	184.00	0.00	0.82	0.12	0.10	0.00	21.60	205.00	0.06	17.00	10.00	0.01
2019	Dry	H3A	Bissau	Fountain	8.59	29.00	0.25	0.10	520.00	148.00	3.50	179.00	0.01	0.81	0.12	0.10	0.00	21.00	204.39	0.06	16.98	9.00	0.01
2019	Dry	H3A	Bissau	Fountain	8.48	28.94	0.24	0.10	531.00	152.02	3.42	180.98	0.00	0.81	0.13	0.09	0.00	21.58	206.30	0.06	17.04	10.00	0.00
2019	Dry	H3A	Bissau	Fountain	8.45	30.00	0.26	0.11	524.30	147.64	3.20	178.56	0.01	0.83	0.12	0.10	0.00	20.89	205.47	0.06	17.98	10.00	0.01
2019	Dry	H3A	Bissau	Fountain	8.29	29.24	0.26	0.10	529.01	150.10	3.50	185.23	0.01	0.82	0.13	0.10	0.00	22.10	203.89	0.07	16.58	10.00	0.01
2019	Dry	H3A	Bissau	Fountain	8.50	30.00	0.26	0.10	512.49	152.02	3.51	187.40	0.00	0.82	0.13	0.11	0.00	21.26	204.78	0.07	17.05	10.00	0.01
2019	Dry	HSE	Bissau	Hole	8.50	31.60	0.26	1.00	521.00	114.20	3.41	182.00	0.00	0.73	0.10	0.05	0.00	31.20	220.00	0.02	16.00	0.00	0.00
2019	Dry	HSE	Bissau	Hole	8.20	31.00	0.26	0.91	511.00	114.10	3.20	182.00	0.00	0.72	0.10	0.06	0.00	31.11	210.00	0.03	16.00	0.00	0.00
2019	Dry	HSE	Bissau	Hole	8.10	30.00	0.26	1.00	529.00	119.20	3.42	183.90	0.00	0.73	0.09	0.06	0.00	32.00	223.00	0.02	15.23	0.00	0.00
2019	Dry	HSE	Bissau	Hole	8.48	31.28	0.26	0.95	519.56	120.00	3.39	184.00	0.00	0.71	0.10	0.06	0.00	31.89	218.00	0.03	17.20	0.00	0.00
2019	Dry	HSE	Bissau	Hole	8.50	31.45	0.26	0.98	528.07	111.00	3.21	182.32	0.00	0.73	0.10	0.05	0.00	32.05	222.00	0.02	16.45	0.00	0.00

2019	Dry	HSE	Bissau	Hole	8.39	30.49	0.26	1.00	530.14	113.96	3.52	179.89	0.00	0.73	0.10	0.06	0.00	31.75	221.89	0.02	17.00	0.00	0.00
2019	Dry	HSE	Bissau	Reservoir outlet	8.52	31.40	0.26	0.79	522.00	107.50	3.11	179.00	0.01	1.00	0.06	0.00	0.00	24.00	225.00	0.04	16.00	0.00	0.02
2019	Dry	HSE	Bissau	Reservoir outlet	8.51	31.39	0.26	0.80	522.00	107.10	3.00	179.00	0.01	1.00	0.06	0.00	0.00	24.00	224.90	0.04	15.00	0.00	0.02
2019	Dry	HSE	Bissau	Reservoir outlet	8.49	31.00	0.26	0.81	520.98	105.26	3.12	179.85	0.01	0.98	0.05	0.00	0.00	23.18	220.98	0.03	17.02	0.00	0.02
2019	Dry	HSE	Bissau	Reservoir outlet	8.53	29.25	0.26	0.83	519.20	105.12	2.98	176.85	0.01	0.99	0.06	0.00	0.00	23.89	199.89	0.04	15.89	0.00	0.03
2019	Dry	HSE	Bissau	Reservoir outlet	8.14	32.00	0.26	0.82	523.00	109.20	2.96	176.25	0.01	1.00	0.04	0.00	0.00	25.10	212.58	0.05	16.45	0.00	0.01
2019	Dry	HSE	Bissau	Reservoir outlet	8.54	31.89	0.26	0.85	523.52	109.78	3.21	176.87	0.01	1.00	0.06	0.00	0.00	24.23	216.98	0.04	14.89	0.00	0.03
2019	Dry	HSE	Bissau	Fountain	8.46	31.30	0.26	0.81	519.00	113.30	3.20	182.00	0.00	0.72	0.10	0.00	0.00	31.30	225.00	0.04	17.00	0.00	0.00
2019	Dry	HSE	Bissau	Fountain	8.45	31.25	0.27	0.89	520.00	113.00	2.99	181.00	0.00	0.72	0.10	0.00	0.00	31.30	225.00	0.05	17.00	0.00	0.00
2019	Dry	HSE	Bissau	Fountain	8.38	30.00	0.26	0.90	521.00	110.39	3.19	178.00	0.00	0.73	0.10	0.00	0.00	32.00	223.58	0.06	17.45	0.00	0.00
2019	Dry	HSE	Bissau	Fountain	8.40	31.57	0.25	0.99	519.00	99.89	3.17	175.79	0.00	0.72	0.09	0.00	0.00	32.00	223.79	0.05	17.58	0.00	0.00
2019	Dry	HSE	Bissau	Fountain	8.48	31.02	0.26	0.82	520.00	98.46	3.24	173.48	0.00	0.72	0.10	0.00	0.00	31.78	224.01	0.04	16.98	0.00	0.00
2019	Dry	HSE	Bissau	Fountain	8.45	31.00	0.25	0.89	521.56	116.85	3.16	175.00	0.00	0.73	0.10	0.00	0.00	32.24	225.00	0.05	17.72	0.00	0.00
2019	Dry	BLELA	Quinhamel	Shallow wells	6.35	27.50	0.04	12.00	167.00	175.20	2.00	125.00	0.02	4.00	0.12	0.15	3.00	0.10	30.00	0.10	15.00	20.00	0.15
2019	Dry	BLELA	Quinhamel	Shallow wells	6.40	27.40	0.04	13.00	167.58	175.00	3.00	126.00	0.02	4.00	0.12	0.15	4.00	0.10	30.00	0.10	14.00	19.45	0.16
2019	Dry	BLELA	Quinhamel	Shallow wells	6.30	28.00	0.05	15.00	158.00	175.35	3.00	124.85	0.02	4.00	0.13	0.15	4.00	0.09	29.58	0.10	15.00	20.23	0.16
2019	Dry	BLELA	Quinhamel	Shallow wells	6.29	27.42	0.04	13.00	170.00	176.00	2.00	126.25	0.02	3.00	0.12	0.14	4.00	0.10	30.12	0.10	14.29	21.48	0.15
2019	Dry	BLELA	Quinhamel	Shallow wells	6.20	27.26	0.05	15.00	168.23	173.98	3.00	125.40	0.02	4.00	0.12	0.16	3.00	0.10	30.21	0.10	15.24	20.00	0.16
2019	Dry	BLELA	Quinhamel	Shallow wells	6.25	27.85	0.04	15.32	171.20	174.89	3.00	126.00	0.02	3.00	0.13	0.16	4.00	0.10	30.00	0.10	14.58	20.86	0.16
2019	Dry	INTOZINHOS	Quinhamel	Shallow wells	5.90	27.60	0.05	15.00	183.00	180.00	4.70	77.00	0.03	6.35	0.09	0.20	4.00	0.10	20.00	0.06	14.00	20.00	0.11
2019	Dry	INTOZINHOS	Quinhamel	Shallow wells	5.90	27.20	0.05	14.26	179.00	179.00	4.60	76.00	0.04	6.40	0.10	0.21	3.00	0.09	19.20	0.05	13.45	20.00	0.12
2019	Dry	INTOZINHOS	Quinhamel	Shallow wells	5.00	27.00	0.04	15.23	182.32	181.23	5.00	78.00	0.04	6.23	0.10	0.20	4.00	0.10	20.23	0.07	13.98	20.00	0.11
2019	Dry	INTOZINHOS	Quinhamel	Shallow wells	4.98	27.52	0.04	14.28	183.46	180.47	3.98	77.59	0.03	6.78	0.09	0.20	3.78	0.09	19.48	0.06	14.25	20.00	0.11
2019	Dry	INTOZINHOS	Quinhamel	Shallow wells	5.10	26.89	0.05	15.24	178.98	179.89	4.56	78.23	0.03	6.35	0.10	0.21	3.00	0.10	21.19	0.05	13.46	20.00	0.12
2019	Dry	INTOZINHOS	Quinhamel	Shallow wells	4.59	27.62	0.05	15.36	181.46	181.46	4.78	77.21	0.03	6.25	0.10	0.21	3.00	0.10	20.18	0.05	14.12	20.00	0.12
2019	Dry	BOR9	Quinhamel	Shallow wells	5.30	27.10	0.04	14.29	132.00	196.00	6.02	54.00	0.01	5.93	0.10	0.25	3.00	0.11	15.00	0.02	10.00	15.00	0.14
2019	Dry	BOR9	Quinhamel	Shallow wells	5.29	27.10	0.05	14.98	131.00	195.00	6.98	53.78	0.01	5.94	0.10	0.26	3.20	0.12	15.00	0.02	10.00	15.00	0.13
2019	Dry	BOR9	Quinhamel	Shallow wells	5.00	27.00	0.06	15.20	129.89	194.89	6.70	54.12	0.01	6.00	0.10	0.25	3.00	0.12	16.00	0.02	10.00	15.00	0.14
2019	Dry	BOR9	Quinhamel	Shallow wells	4.98	26.89	0.06	16.00	132.48	195.45	6.23	53.89	0.01	5.78	0.10	0.27	3.10	0.12	15.00	0.02	10.00	15.00	0.13
2019	Dry	BOR9	Quinhamel	Shallow wells	5.12	27.10	0.04	15.89	132.00	193.89	6.02	54.75	0.01	5.98	0.10	0.26	2.98	0.12	16.52	0.02	10.00	15.00	0.14
2019	Dry	BOR9	Quinhamel	Shallow wells	5.31	26.89	0.04	16.23	130.00	194.79	6.89	54.78	0.01	5.78	0.10	0.26	3.00	0.12	15.00	0.02	10.00	15.00	0.14

2019	Dry	BOR10	Quinhamel	Shallow wells	5.32	27.50	0.03	12.00	87.00	202.00	7.29	38.00	0.01	1.59	0.14	0.20	2.00	0.14	25.00	0.08	12.00	17.00	0.10
2019	Dry	BOR10	Quinhamel	Shallow wells	5.33	28.00	0.04	13.25	130.00	200.00	7.00	37.90	0.01	1.60	0.14	0.19	1.80	0.14	24.70	0.09	11.98	17.00	0.10
2019	Dry	BOR10	Quinhamel	Shallow wells	5.00	29.00	0.04	12.79	128.67	199.87	6.89	37.00	0.01	1.70	0.14	0.21	2.00	0.14	25.00	0.09	12.25	17.00	0.10
2019	Dry	BOR10	Quinhamel	Shallow wells	5.12	28.00	0.04	14.02	134.20	201.12	7.30	37.00	0.01	1.71	0.14	0.20	2.00	0.14	25.35	1.00	12.12	16.78	0.10
2019	Dry	BOR10	Quinhamel	Shallow wells	4.98	28.02	0.04	14.05	133.25	200.00	7.01	38.20	0.01	1.62	0.14	0.20	1.79	0.14	25.47	0.08	12.00	17.00	0.10
2019	Dry	BOR10	Quinhamel	Shallow wells	5.10	28.36	0.04	15.03	130.00	203.41	7.05	37.68	0.01	1.60	0.14	0.19	2.12	0.14	24.89	0.09	12.00	17.00	0.10
2019	Dry	QUINHAMEL 11	Quinhamel	Tubewell	5.55	28.60	0.14	0.98	129.00	211.50	2.90	67.00	0.02	1.00	0.05	0.00	2.00	0.18	10.00	0.00	16.00	55.00	0.18
2019	Dry	QUINHAMEL 11	Quinhamel	Tubewell	5.32	27.80	0.15	0.96	128.00	211.50	2.90	67.00	0.02	0.98	0.05	0.00	1.90	0.17	9.90	0.00	16.00	54.00	0.18
2019	Dry	QUINHAMEL 11	Quinhamel	Tubewell	5.30	28.00	0.15	1.20	132.00	210.23	3.00	68.00	0.02	0.79	0.05	0.00	1.98	0.16	10.00	0.00	15.00	55.00	0.18
2019	Dry	QUINHAMEL 11	Quinhamel	Tubewell	5.23	28.00	0.15	1.00	130.36	211.48	2.92	68.00	0.02	1.78	0.05	0.00	1.96	0.16	10.00	0.00	16.00	55.00	0.18
2019	Dry	QUINHAMEL 11	Quinhamel	Tubewell	5.22	27.95	0.15	1.00	131.25	211.98	2.98	68.20	0.02	1.10	0.05	0.00	2.00	0.17	10.00	0.00	17.00	56.00	0.18
2019	Dry	QUINHAMEL 11	Quinhamel	Tubewell	5.00	27.89	0.15	1.00	131.02	212.00	3.00	67.20	0.02	0.69	0.05	0.00	2.00	0.17	9.89	0.00	17.00	56.00	0.18
2019	Dry	QUINHAMEL 12	Quinhamel	Tubewell	5.30	28.86	0.11	3.25	240.00	184.70	2.40	121.00	0.00	0.71	0.06	0.00	0.00	0.13	5.00	0.00	10.00	50.00	0.12
2019	Dry	QUINHAMEL 12	Quinhamel	Tubewell	5.29	28.00	0.10	3.20	240.00	183.79	2.40	121.00	0.00	0.70	0.07	0.00	0.00	0.13	6.00	0.00	11.00	51.00	0.11
2019	Dry	QUINHAMEL 12	Quinhamel	Tubewell	5.12	29.00	0.10	3.00	238.00	179.58	2.40	121.23	0.00	0.71	0.08	0.00	0.00	0.13	5.00	0.00	10.00	51.00	0.11
2019	Dry	QUINHAMEL 12	Quinhamel	Tubewell	5.32	28.00	0.10	3.00	241.00	179.89	2.40	121.47	0.00	0.71	0.08	0.00	0.00	0.13	5.00	0.00	9.89	51.23	0.10
2019	Dry	QUINHAMEL 12	Quinhamel	Tubewell	5.28	28.00	0.10	3.25	241.89	181.47	2.41	121.98	0.00	0.72	0.06	0.00	0.00	0.13	6.00	0.00	11.00	52.14	0.10
2019	Dry	QUINHAMEL 12	Quinhamel	Tubewell	5.28	28.45	0.10	3.19	240.58	182.40	2.40	121.00	0.00	0.71	0.07	0.00	0.00	0.13	5.00	0.00	11.00	52.78	0.11
2019	Dry	QUINHAMEL 13	Quinhamel	Tubewell	4.66	27.98	0.02	1.83	41.00	234.90	4.60	21.00	0.00	0.91	0.07	0.00	2.00	0.15	0.00	0.00	17.00	0.00	0.10
2019	Dry	QUINHAMEL 13	Quinhamel	Tubewell	4.89	28.00	0.03	1.79	39.00	229.41	5.00	26.00	0.00	1.00	0.06	0.00	1.92	0.16	0.00	0.00	15.00	0.00	0.10
2019	Dry	QUINHAMEL 13	Quinhamel	Tubewell	4.90	28.00	0.02	1.82	41.00	230.00	5.00	26.12	0.00	0.99	0.06	0.00	1.99	0.16	0.00	0.00	16.00	0.00	0.10
2019	Dry	QUINHAMEL 13	Quinhamel	Tubewell	4.58	28.00	0.02	1.83	40.00	231.25	4.89	26.36	0.00	1.00	0.06	0.00	1.95	0.16	0.00	0.00	16.78	0.00	0.10
2019	Dry	QUINHAMEL 13	Quinhamel	Tubewell	4.81	27.00	0.02	1.82	41.00	233.45	4.58	25.87	0.00	1.00	0.07	0.00	2.00	0.16	0.00	0.00	16.87	0.00	0.10
2019	Dry	QUINHAMEL 13	Quinhamel	Tubewell	4.83	27.00	0.01	1.82	41.00	233.10	4.79	25.77	0.00	1.00	0.07	0.00	2.00	0.15	0.00	0.00	15.99	0.00	0.10
2019	Dry	BAGDAD	Quinhamel	Tubewell	4.66	28.83	0.05	1.40	128.00	250.90	5.50	60.00	0.01	1.01	0.07	0.00	2.00	0.22	10.00	0.02	9.00	25.00	0.06
2019	Dry	BAGDAD	Quinhamel	Tubewell	4.50	28.10	0.06	1.50	125.79	249.20	6.30	68.00	0.01	0.97	0.07	0.00	2.00	0.19	9.00	0.03	10.00	26.00	0.05
2019	Dry	BAGDAD	Quinhamel	Tubewell	4.52	28.00	0.06	1.49	127.00	250.00	5.58	68.77	0.01	1.02	0.07	0.00	1.98	0.22	10.00	0.03	10.00	26.20	0.06
2019	Dry	BAGDAD	Quinhamel	Tubewell	4.67	28.12	0.06	1.47	127.23	248.98	6.12	68.68	0.01	1.00	0.06	0.00	1.96	0.22	10.00	0.03	10.00	26.00	0.06
2019	Dry	BAGDAD	Quinhamel	Tubewell	4.53	28.09	0.06	1.52	127.56	251.20	6.13	65.89	0.01	1.00	0.06	0.00	2.34	0.23	10.00	0.02	10.98	26.37	0.05
2019	Dry	BAGDAD	Quinhamel	Tubewell	4.49	28.00	0.06	1.50	127.75	251.39	6.20	66.00	0.01	0.98	0.06	0.00	2.00	0.23	9.00	0.02	9.97	26.00	0.06

2019	Dry	QUINHAMEL 15	Quinhamel	Tubewell	4.51	28.56	0.02	2.10	49.00	255.00	7.40	24.00	0.01	0.97	0.10	0.05	3.00	0.22	5.00	0.00	15.00	0.00	0.07
2019	Dry	QUINHAMEL 15	Quinhamel	Tubewell	4.61	29.00	0.02	2.00	50.00	253.00	7.20	26.00	0.00	1.10	0.09	0.05	3.10	0.25	6.00	0.00	16.00	0.00	0.08
2019	Dry	QUINHAMEL 15	Quinhamel	Tubewell	4.60	30.00	0.02	2.15	50.00	251.00	7.00	24.89	0.01	1.09	0.10	0.05	3.05	0.25	6.00	0.00	16.00	0.00	0.08
2019	Dry	QUINHAMEL 15	Quinhamel	Tubewell	4.59	29.23	0.02	2.12	50.24	252.36	7.10	24.78	0.00	1.00	0.10	0.06	3.00	0.25	6.00	0.00	15.79	0.00	0.08
2019	Dry	QUINHAMEL 15	Quinhamel	Tubewell	4.61	29.00	0.02	2.10	50.56	255.47	7.42	25.23	0.01	1.00	0.10	0.06	3.09	0.25	5.80	0.00	15.58	0.00	0.08
2019	Dry	QUINHAMEL 15	Quinhamel	Tubewell	4.63	28.46	0.02	2.10	50.00	255.79	7.41	25.12	0.01	1.00	0.10	0.05	3.10	0.25	6.00	0.00	16.00	0.00	0.07
2019	Dry	BANDIM	Bissau	Tap	7.67	28.80	0.25	0.74	542.00	69.50	5.00	257.00	0.01	0.83	0.10	0.15	3.00	0.38	210.00	0.00	16.00	10.00	0.21
2019	Dry	BANDIM	Bissau	Tap	7.10	28.10	0.25	0.71	539.00	71.00	5.00	249.00	0.01	0.79	0.09	0.17	2.98	0.41	200.00	0.00	17.10	9.80	0.20
2019	Dry	BANDIM	Bissau	Tap	7.63	28.00	0.25	0.73	540.00	70.23	4.98	256.00	0.01	0.84	0.10	0.15	3.12	0.40	209.32	0.00	17.00	10.10	0.20
2019	Dry	BANDIM	Bissau	Tap	7.63	28.74	0.25	0.73	541.00	70.89	4.58	256.89	0.01	0.85	0.10	0.15	3.10	0.40	200.89	0.00	17.00	10.23	0.20
2019	Dry	BANDIM	Bissau	Tap	7.18	28.23	0.25	0.74	538.98	71.26	5.00	254.78	0.01	0.80	0.10	0.15	2.89	0.41	210.21	0.00	17.59	10.00	0.21
2019	Dry	BANDIM	Bissau	Tap	7.28	28.26	0.25	0.74	539.78	71.00	5.00	255.89	0.01	0.82	0.10	0.15	3.00	0.41	210.00	0.00	16.97	10.00	0.21
2019	Dry	BANDIM	Bissau	Fountain	7.80	30.00	0.23	0.87	470.00	101.90	2.30	237.00	0.05	0.97	0.11	0.05	0.00	1.35	200.00	0.00	18.00	5.00	0.13
2019	Dry	BANDIM	Bissau	Fountain	7.81	28.98	0.21	0.90	459.00	98.50	2.26	235.00	0.05	1.00	0.10	0.05	0.00	1.30	199.00	0.00	17.00	5.00	0.13
2019	Dry	BANDIM	Bissau	Fountain	7.80	30.00	0.23	0.89	471.00	100.00	2.32	238.00	0.05	1.00	0.11	0.06	0.00	1.36	201.00	0.00	18.24	5.00	0.13
2019	Dry	BANDIM	Bissau	Fountain	7.81	29.95	0.22	0.88	472.21	101.20	2.30	238.23	0.05	1.00	0.11	0.06	0.00	1.36	201.33	0.00	17.99	6.00	0.14
2019	Dry	BANDIM	Bissau	Fountain	7.81	30.40	0.23	0.87	469.29	99.78	2.43	237.12	0.05	1.00	0.10	0.06	0.00	1.30	201.56	0.00	18.25	5.00	0.13
2019	Dry	BANDIM	Bissau	Fountain	7.80	30.88	0.23	0.87	469.98	102.32	2.30	238.68	0.05	1.00	0.10	0.05	0.00	1.32	199.79	0.00	18.37	6.00	0.14
2019	Dry	BANDIM	Bissau	Hole	7.92	24.59	0.29	1.00	609.00	94.20	4.10	304.00	0.01	0.77	0.12	0.05	1.00	1.10	215.00	0.00	11.00	10.00	0.10
2019	Dry	BANDIM	Bissau	Hole	7.80	25.00	0.30	0.99	607.00	98.00	4.30	300.10	0.01	0.78	0.12	0.05	1.00	0.99	210.00	0.00	10.89	11.00	0.10
2019	Dry	BANDIM	Bissau	Hole	7.85	24.45	0.31	1.25	605.79	97.37	4.27	299.00	0.01	0.78	0.12	0.05	0.99	1.20	216.23	0.00	10.00	10.89	0.10
2019	Dry	BANDIM	Bissau	Hole	7.82	25.69	0.31	1.32	606.98	99.75	4.23	301.29	0.01	0.78	0.12	0.05	1.00	1.19	216.87	0.00	10.98	10.78	0.10
2019	Dry	BANDIM	Bissau	Hole	7.83	24.20	0.30	1.00	609.10	100.69	4.39	305.12	0.01	0.77	0.12	0.05	0.99	1.00	216.51	0.00	10.00	10.20	0.10
2019	Dry	BANDIM	Bissau	Hole	7.82	24.85	0.29	1.00	610.00	100.49	4.37	305.88	0.01	0.76	0.12	0.05	1.00	0.99	216.00	0.00	10.58	10.78	0.10
2019	Dry	BANDIM	Bissau	Reservoir outlet	7.81	29.91	0.26	0.86	530.00	103.90	4.60	268.00	0.02	2.00	0.13	0.10	0.00	0.40	208.00	0.00	15.00	10.00	0.22
2019	Dry	BANDIM	Bissau	Reservoir outlet	7.75	30.00	0.26	0.90	528.00	99.40	4.70	265.00	0.01	1.99	0.12	0.10	0.00	0.39	209.00	0.00	16.25	10.00	0.22
2019	Dry	BANDIM	Bissau	Reservoir outlet	7.75	29.25	0.26	0.89	530.12	100.20	4.70	269.25	0.02	2.00	0.12	0.10	0.00	0.40	210.20	0.00	16.45	10.25	0.25
2019	Dry	BANDIM	Bissau	Reservoir outlet	7.74	29.92	0.26	0.89	531.25	101.58	4.67	269.54	0.02	1.98	0.12	0.10	0.00	0.40	210.00	0.00	16.58	10.80	0.25
2019	Dry	BANDIM	Bissau	Reservoir outlet	7.74	30.00	0.26	0.87	529.89	99.88	4.72	268.48	0.02	2.01	0.13	0.10	0.00	0.39	209.19	0.00	16.79	9.99	0.22
2019	Dry	BANDIM	Bissau	Reservoir outlet	7.75	29.78	0.26	0.88	528.98	100.25	4.73	268.98	0.02	2.02	0.13	0.10	0.00	0.39	209.99	0.00	16.90	9.98	0.22
2019	Dry	HSM	Bissau	Fountain	7.63	31.14	0.24	0.69	508.00	117.00	5.00	260.00	0.00	1.00	0.09	0.10	2.00	0.99	200.00	0.00	15.00	15.00	0.29
2019	Dry	HSM	Bissau	Fountain	7.61	30.10	0.25	0.70	507.20	116.90	5.10	261.00	0.00	0.99	0.08	0.09	1.85	1.00	199.25	0.00	15.30	14.98	0.31

2019	Dry	HSM	Bissau	Fountain	7.62	30.98	0.25	0.70	510.26	117.58	5.98	260.89	0.00	1.02	0.10	0.09	1.99	1.00	201.24	0.00	15.45	15.00	0.30
2019	Dry	HSM	Bissau	Fountain	7.62	30.59	0.25	0.69	509.98	117.89	5.80	260.94	0.00	1.00	0.10	0.10	2.10	0.99	201.45	0.00	15.47	15.21	0.30
2019	Dry	HSM	Bissau	Fountain	7.63	31.25	0.25	0.69	508.98	116.89	5.12	261.29	0.00	1.00	0.09	0.10	2.00	1.00	200.14	0.00	15.37	15.42	0.29
2019	Dry	HSM	Bissau	Fountain	7.63	31.45	0.25	0.71	510.24	117.59	5.48	261.89	0.00	0.95	0.90	0.09	2.00	1.00	200.12	0.00	15.40	15.26	0.30
2019	Dry	HSM	Bissau	Reservoir outlet	7.72	30.20	0.25	0.59	523.00	117.50	5.22	261.00	0.03	0.91	0.10	0.20	8.00	0.72	210.00	0.24	11.00	20.00	0.87
2019	Dry	HSM	Bissau	Reservoir outlet	7.70	30.10	0.25	0.57	522.00	115.90	5.32	263.10	0.03	0.94	0.10	0.21	7.90	0.73	209.14	0.23	11.00	20.20	0.89
2019	Dry	HSM	Bissau	Reservoir outlet	7.69	29.98	0.25	0.58	521.58	116.89	5.28	262.90	0.03	0.95	0.10	0.20	8.01	0.72	210.20	0.22	11.00	19.99	0.88
2019	Dry	HSM	Bissau	Reservoir outlet	7.59	30.20	0.25	0.58	520.99	116.99	5.29	263.00	0.03	0.95	0.10	0.22	7.89	0.72	209.99	0.22	11.00	19.78	0.88
2019	Dry	HSM	Bissau	Reservoir outlet	7.70	30.10	0.25	0.59	521.56	117.99	5.28	262.99	0.03	0.94	0.10	0.21	8.02	0.71	210.49	0.21	11.00	20.10	0.86
2019	Dry	HSM	Bissau	Reservoir outlet	7.72	29.98	0.25	0.59	521.26	117.85	5.29	262.80	0.03	0.95	0.10	0.21	8.02	0.71	210.79	0.22	11.00	20.08	0.85
2019	Dry	QJ	Bissau	Tap	7.56	32.16	0.22	2.00	466.00	135.10	6.14	235.00	0.01	0.86	0.12	0.25	0.00	1.25	195.00	0.00	9.90	20.00	0.05
2019	Dry	QJ	Bissau	Tap	7.61	31.98	0.22	2.00	462.00	133.78	5.91	233.98	0.01	0.85	0.13	0.25	0.00	1.23	193.50	0.01	10.00	19.80	0.04
2019	Dry	QJ	Bissau	Tap	7.60	32.10	0.22	1.99	462.90	134.95	6.18	236.46	0.01	0.87	0.14	0.25	0.00	1.20	193.50	0.01	10.00	20.00	0.04
2019	Dry	QJ	Bissau	Tap	7.58	31.99	0.22	2.01	463.88	135.80	6.49	236.49	0.01	0.86	0.13	0.25	0.00	1.25	194.79	0.01	10.00	20.00	0.04
2019	Dry	QJ	Bissau	Tap	7.56	32.00	0.22	2.00	462.99	134.90	6.90	235.50	0.01	0.87	0.14	0.25	0.00	1.24	194.88	0.01	9.88	20.00	0.04
2019	Dry	QJ	Bissau	Tap	7.58	31.99	0.22	2.00	463.05	134.60	6.97	235.95	0.01	0.86	0.14	0.25	0.00	1.24	195.49	0.01	10.23	20.78	0.04
2019	Wet	H3A	Bissau	Hole	8.18	31.38	0.24	1.69	517.00	36.50	0.00	255.00	0.52	0.00	0.00	1.00	0.60	0.60	225.00	0.02	12.00	5.00	0.11
2019	Wet	H3A	Bissau	Hole	8.12	29.38	0.22	1.65	479.00	41.00	0.00	256.78	0.51	0.00	0.00	1.00	0.62	0.60	224.00	0.02	11.99	4.89	0.11
2019	Wet	H3A	Bissau	Hole	8.15	30.12	0.24	1.65	518.00	38.19	0.00	257.79	0.50	0.00	0.00	1.00	0.61	0.59	223.90	0.02	12.07	5.07	0.11
2019	Wet	H3A	Bissau	Hole	8.18	31.00	0.23	1.62	512.00	37.89	0.00	257.36	0.52	0.00	0.00	1.00	0.61	0.61	223.89	0.02	11.98	5.04	0.11
2019	Wet	H3A	Bissau	Hole	8.17	29.79	0.22	1.60	516.00	37.98	0.00	256.18	0.52	0.00	0.00	1.00	0.60	0.61	224.98	0.02	12.36	5.02	0.11
2019	Wet	H3A	Bissau	Hole	8.17	31.20	0.22	1.62	518.00	38.12	0.00	256.95	0.53	0.00	0.00	1.00	0.60	0.61	225.12	0.02	12.08	4.98	0.11
2019	Wet	H3A	Bissau	Tap	8.28	29.00	0.25	1.59	524.00	8.90	0.00	262.00	0.60	0.00	0.00	0.00	0.68	0.66	225.00	0.00	14.00	5.00	0.14
2019	Wet	H3A	Bissau	Tap	8.22	30.10	0.26	1.49	523.48	9.15	0.00	259.40	0.61	0.00	0.00	0.00	0.69	0.67	221.60	0.01	13.90	5.00	0.14
2019	Wet	H3A	Bissau	Tap	7.99	30.49	0.25	1.59	524.19	8.79	0.00	258.99	0.62	0.00	0.00	0.00	0.70	0.66	226.15	0.00	13.99	4.98	0.14
2019	Wet	H3A	Bissau	Tap	8.27	29.04	0.25	1.58	523.90	8.76	0.00	260.48	0.61	0.00	0.00	0.00	0.68	0.67	225.98	0.01	14.13	5.02	0.14
2019	Wet	H3A	Bissau	Tap	8.23	28.80	0.25	1.56	523.59	8.98	0.00	260.58	0.62	0.00	0.00	0.00	0.68	0.66	224.78	0.00	14.32	5.00	0.14
2019	Wet	H3A	Bissau	Tap	8.26	29.00	0.25	1.57	524.02	9.02	0.00	258.98	0.61	0.00	0.00	0.00	0.66	0.66	224.50	0.01	13.89	4.99	0.14
2019	Wet	H3A	Bissau	Fountain	8.20	30.00	0.24	2.00	520.00	27.26	0.00	284.00	0.60	0.00	0.00	0.00	0.59	0.59	231.00	0.05	17.99	6.00	0.13
2019	Wet	H3A	Bissau	Fountain	8.10	31.00	0.23	1.98	498.90	27.00	0.00	282.89	0.57	0.00	0.00	0.00	0.59	0.59	229.96	0.05	18.00	6.02	0.13
2019	Wet	H3A	Bissau	Fountain	8.20	30.12	0.24	2.00	519.89	27.46	0.00	283.50	0.60	0.00	0.00	0.00	0.61	0.58	230.80	0.05	17.48	5.90	0.13
2019	Wet	H3A	Bissau	Fountain	8.13	30.00	0.24	2.02	520.79	27.12	0.00	284.26	0.59	0.00	0.00	0.00	0.59	0.60	231.50	0.04	17.99	6.02	0.13
2019	Wet	H3A	Bissau	Fountain	8.21	29.99	0.24	2.04	520.20	27.20	0.00	284.25	0.60	0.00	0.00	0.00	0.60	0.59	231.56	0.04	18.02	6.01	0.13

2019	Wet	H3A	Bissau	Fountain	8.25	30.47	0.24	1.98	520.16	27.00	0.00	284.02	0.60	0.00	0.00	0.00	0.60	0.58	231.46	0.05	17.98	6.00	0.13
2019	Wet	HSE	Bissau	Hole	8.23	32.32	0.26	1.18	545.00	57.70	0.00	272.12	0.61	0.01	0.00	0.00	0.38	0.38	240.75	0.06	19.00	5.00	0.16
2019	Wet	HSE	Bissau	Hole	8.37	31.20	0.27	1.21	547.78	56.90	0.00	271.28	0.60	0.01	0.00	0.00	0.40	0.38	238.29	0.06	20.20	5.10	0.16
2019	Wet	HSE	Bissau	Hole	8.20	32.19	0.26	1.20	546.28	57.48	0.00	272.48	0.60	0.01	0.00	0.00	0.39	0.38	239.78	0.06	18.98	5.29	0.16
2019	Wet	HSE	Bissau	Hole	8.29	31.89	0.26	1.21	546.99	57.90	0.00	272.50	0.61	0.01	0.00	0.00	0.39	0.39	240.79	0.06	19.23	5.45	0.16
2019	Wet	HSE	Bissau	Hole	8.23	32.23	0.26	1.18	544.90	60.10	0.00	271.90	0.61	0.01	0.00	0.00	0.37	0.39	240.75	0.06	19.00	4.98	0.16
2019	Wet	HSE	Bissau	Hole	8.23	32.32	0.26	1.18	544.97	57.70	0.00	272.15	0.62	0.01	0.00	0.00	0.38	0.38	240.15	0.06	19.00	5.00	0.16
2019	Wet	HSE	Bissau	Reservoir outlet	8.24	31.68	0.26	1.20	547.00	1.20	0.00	274.00	0.70	0.00	0.00	0.00	0.78	0.78	245.00	0.06	17.00	0.00	0.15
2019	Wet	HSE	Bissau	Reservoir outlet	8.21	30.30	0.25	1.22	548.30	1.18	0.00	271.00	0.69	0.00	0.00	0.00	0.77	0.78	244.89	0.06	17.86	0.00	0.15
2019	Wet	HSE	Bissau	Reservoir outlet	8.23	30.15	0.26	1.20	546.99	1.20	0.00	273.48	0.71	0.00	0.00	0.00	0.79	0.77	245.23	0.06	16.79	0.00	0.15
2019	Wet	HSE	Bissau	Reservoir outlet	8.23	31.20	0.26	1.20	548.76	1.20	0.00	274.56	0.69	0.00	0.00	0.00	0.78	0.78	246.02	0.06	16.77	0.00	0.15
2019	Wet	HSE	Bissau	Reservoir outlet	8.25	31.45	0.26	1.21	547.90	1.19	0.00	274.32	0.71	0.00	0.00	0.00	0.78	0.77	244.96	0.06	17.09	0.00	0.15
2019	Wet	HSE	Bissau	Reservoir outlet	8.25	31.52	0.26	1.21	548.00	1.19	0.00	274.15	0.70	0.00	0.00	0.00	0.79	0.78	244.85	0.06	17.04	0.00	0.15
2019	Wet	HSE	Bissau	Fountain	8.35	29.77	0.26	1.79	543.00	16.50	0.00	272.00	0.71	0.01	0.02	0.00	0.65	0.65	240.00	0.04	20.00	10.00	0.16
2019	Wet	HSE	Bissau	Fountain	8.21	30.00	0.26	1.75	539.58	15.73	0.00	271.58	0.72	0.01	0.02	0.00	0.61	0.65	238.13	0.04	21.21	10.00	0.16
2019	Wet	HSE	Bissau	Fountain	8.34	29.79	0.26	1.74	543.18	16.52	0.00	271.56	0.71	0.01	0.02	0.00	0.65	0.64	241.23	0.04	19.98	10.00	0.16
2019	Wet	HSE	Bissau	Fountain	8.35	29.69	0.26	1.73	542.90	16.28	0.00	271.78	0.72	0.01	0.02	0.00	0.65	0.65	241.32	0.04	20.29	10.00	0.16
2019	Wet	HSE	Bissau	Fountain	8.35	30.00	0.26	1.75	543.90	16.75	0.00	272.06	0.72	0.01	0.02	0.00	0.64	0.64	239.90	0.04	20.03	10.00	0.16
2019	Wet	HSE	Bissau	Fountain	8.35	30.00	0.26	1.78	543.50	16.40	0.00	272.10	0.71	0.01	0.02	0.00	0.65	0.65	240.12	0.04	20.49	10.00	0.16
2019	Wet	BLELA7	Quinhamel	Shallow wells	5.66	27.84	0.07	20.00	153.00	78.30	2.20	77.95	5.00	0.15	0.59	4.00	0.20	0.20	35.00	0.19	16.25	17.80	0.16
2019	Wet	BLELA7	Quinhamel	Shallow wells	5.56	26.83	0.07	21.00	152.80	67.17	2.20	78.20	4.90	0.16	0.58	3.90	0.20	0.21	34.25	0.19	15.30	18.20	0.16
2019	Wet	BLELA7	Quinhamel	Shallow wells	5.46	27.14	0.07	19.89	153.50	54.20	1.98	77.20	5.02	0.15	0.59	3.99	0.20	0.20	35.02	0.17	16.02	17.98	0.16
2019	Wet	BLELA7	Quinhamel	Shallow wells	5.55	27.36	0.07	20.02	152.90	71.12	2.10	77.97	4.99	0.15	0.58	4.02	0.20	0.20	35.04	0.19	16.04	17.69	0.15
2019	Wet	BLELA7	Quinhamel	Shallow wells	5.68	27.81	0.07	18.56	153.03	69.10	2.19	78.10	4.98	0.15	0.59	4.08	0.20	0.19	35.10	0.18	16.28	17.65	0.15
2019	Wet	BLELA7	Quinhamel	Shallow wells	5.67	27.83	0.07	20.00	153.48	70.00	2.20	78.39	5.23	0.16	0.59	4.00	0.20	0.20	35.08	0.19	16.35	17.62	0.15
2019	Wet	INTOZINHOS	Quinhamel	Shallow wells	4.94	28.22	0.03	18.59	66.00	54.78	1.80	33.00	5.32	0.08	0.35	5.00	0.20	0.20	31.90	0.04	15.60	22.00	0.14
2019	Wet	INTOZINHOS	Quinhamel	Shallow wells	3.98	27.98	0.03	20.14	65.63	56.00	2.02	35.00	5.46	0.08	0.31	4.95	0.20	0.20	33.10	0.04	14.20	23.20	0.14
2019	Wet	INTOZINHOS	Quinhamel	Shallow wells	4.95	28.03	0.03	20.19	67.32	55.14	2.00	33.58	5.36	0.08	0.34	5.04	0.20	0.19	32.52	0.04	15.36	22.86	0.14
2019	Wet	INTOZINHOS	Quinhamel	Shallow wells	4.93	28.08	0.03	19.45	66.89	51.01	1.89	33.05	5.29	0.08	0.34	5.02	0.20	0.19	31.48	0.04	15.42	22.79	0.14
2019	Wet	INTOZINHOS	Quinhamel	Shallow wells	4.94	28.34	0.03	18.98	66.20	53.03	1.86	33.42	5.31	0.08	0.35	5.00	0.20	0.20	31.89	0.04	15.56	22.86	0.14
2019	Wet	INTOZINHOS	Quinhamel	Shallow wells	4.56	28.65	0.03	20.89	66.32	50.14	1.80	33.01	5.32	0.08	0.35	5.10	0.20	0.20	31.78	0.04	15.70	22.76	0.14

2019	Wet	BOR9	Quinhamel	Shallow wells	4.66	27.66	0.07	21.02	142.00	45.00	0.20	71.00	6.20	0.12	0.28	2.98	0.19	0.19	19.12	0.04	15.00	15.95	0.16
2019	Wet	BOR9	Quinhamel	Shallow wells	4.59	27.48	0.07	22.14	141.00	31.08	0.22	70.88	6.17	0.12	0.29	2.89	0.19	0.19	19.02	0.04	14.96	16.20	0.16
2019	Wet	BOR9	Quinhamel	Shallow wells	4.65	27.78	0.07	12.45	142.35	29.16	0.21	70.49	6.19	0.12	0.27	2.78	0.19	0.18	18.79	0.04	15.23	15.96	0.16
2019	Wet	BOR9	Quinhamel	Shallow wells	4.65	27.69	0.07	21.75	142.58	20.81	0.21	71.58	6.21	0.12	0.27	2.90	0.19	0.19	19.20	0.04	15.08	16.00	0.16
2019	Wet	BOR9	Quinhamel	Shallow wells	4.63	27.85	0.07	20.85	141.89	21.04	0.20	71.48	6.18	0.12	0.28	2.95	0.19	0.19	19.88	0.04	15.21	15.45	0.16
2019	Wet	BOR9	Quinhamel	Shallow wells	4.67	27.68	0.07	19.89	141.78	19.34	0.20	70.69	6.21	0.12	0.28	2.97	0.19	0.20	18.79	0.04	15.19	15.75	0.16
2019	Wet	BOR10	Quinhamel	Shallow wells	4.53	27.88	0.06	20.58	138.00	24.01	0.00	69.00	2.10	0.19	0.26	2.13	0.13	0.13	25.98	0.09	14.32	17.76	0.13
2019	Wet	BOR10	Quinhamel	Shallow wells	4.49	28.00	0.06	19.79	137.49	23.12	0.00	68.26	1.97	0.19	0.26	2.09	0.13	0.14	26.03	0.08	14.21	17.89	0.13
2019	Wet	BOR10	Quinhamel	Shallow wells	4.50	27.89	0.06	21.48	137.99	19.02	0.00	69.15	2.05	0.19	0.26	2.12	0.13	0.13	26.00	0.08	14.16	16.97	0.13
2019	Wet	BOR10	Quinhamel	Shallow wells	4.52	27.00	0.06	20.18	138.24	19.40	0.00	68.79	2.12	0.19	0.26	2.12	0.13	0.13	25.97	0.08	14.30	16.79	0.13
2019	Wet	BOR10	Quinhamel	Shallow wells	4.54	27.56	0.06	20.17	138.00	18.99	0.00	69.28	2.10	0.19	0.26	2.13	0.13	0.13	25.78	0.09	14.26	17.98	0.13
2019	Wet	BOR10	Quinhamel	Shallow wells	4.54	27.79	0.06	21.02	138.49	18.36	0.00	69.48	2.12	0.19	0.26	2.13	0.13	0.14	25.69	0.09	14.23	17.69	0.13
2019	Wet	QUINHAMEL 11	Quinhamel	Tubewell	5.59	28.40	0.05	2.98	120.00	84.50	0.00	60.00	10.10	0.04	0.00	1.59	0.20	0.20	15.30	0.01	16.95	25.00	0.12
2019	Wet	QUINHAMEL 11	Quinhamel	Tubewell	5.10	27.49	0.05	3.00	118.89	85.61	0.00	59.95	9.98	0.04	0.00	1.69	0.20	0.20	16.20	0.01	17.00	25.00	0.12
2019	Wet	QUINHAMEL 11	Quinhamel	Tubewell	5.60	28.47	0.05	3.10	120.18	85.00	0.00	61.02	10.20	0.04	0.00	1.55	0.20	0.19	15.90	0.01	17.00	25.00	0.12
2019	Wet	QUINHAMEL 11	Quinhamel	Tubewell	5.59	28.32	0.05	2.99	119.78	84.12	0.00	60.15	10.14	0.04	0.00	1.56	0.20	0.20	15.45	0.01	17.02	25.00	0.12
2019	Wet	QUINHAMEL 11	Quinhamel	Tubewell	5.53	28.25	0.05	2.89	120.79	84.38	0.00	60.19	10.11	0.04	0.00	1.60	0.20	0.21	15.32	0.01	17.42	25.00	0.12
2019	Wet	QUINHAMEL 11	Quinhamel	Tubewell	5.67	28.42	0.05	3.00	120.78	84.25	0.00	59.48	10.16	0.04	0.00	1.58	0.20	0.20	15.33	0.01	16.79	25.00	0.12
2019	Wet	QUINHAMEL 12	Quinhamel	Tubewell	5.27	28.42	0.21	2.52	446.00	70.10	0.00	223.00	0.78	0.04	0.00	0.00	0.16	0.16	6.00	0.00	12.00	75.00	0.10
2019	Wet	QUINHAMEL 12	Quinhamel	Tubewell	5.25	27.29	0.21	2.51	443.00	67.16	0.00	221.15	0.78	0.04	0.01	0.00	0.16	0.16	5.89	0.00	11.78	75.00	0.10
2019	Wet	QUINHAMEL 12	Quinhamel	Tubewell	5.26	28.32	0.21	2.49	448.25	54.32	0.00	224.25	0.78	0.04	0.01	0.00	0.16	0.16	5.79	0.00	12.00	75.00	0.10
2019	Wet	QUINHAMEL 12	Quinhamel	Tubewell	5.27	28.29	0.21	2.53	447.89	31.25	0.00	224.12	0.78	0.04	0.01	0.00	0.16	0.16	6.02	0.00	12.40	74.00	0.10
2019	Wet	QUINHAMEL 12	Quinhamel	Tubewell	5.27	28.40	0.21	2.31	448.59	29.89	0.00	223.78	0.78	0.04	0.01	0.00	0.16	0.17	6.09	0.00	12.03	74.89	0.10
2019	Wet	QUINHAMEL 12	Quinhamel	Tubewell	5.26	28.36	0.21	2.38	447.87	35.12	0.00	223.98	0.78	0.04	0.01	0.00	0.16	0.17	6.15	0.00	12.45	75.00	0.10
2019	Wet	QUINHAMEL 13	Quinhamel	Tubewell	4.81	27.68	0.02	1.98	46.00	30.10	0.00	23.00	1.00	0.08	0.00	2.10	0.19	0.19	2.00	0.00	18.00	20.00	0.09
2019	Wet	QUINHAMEL 13	Quinhamel	Tubewell	4.83	28.20	0.02	2.10	47.58	29.47	0.00	24.50	1.10	0.08	0.00	2.00	0.20	0.19	2.20	0.01	18.96	20.00	0.09
2019	Wet	QUINHAMEL 13	Quinhamel	Tubewell	4.86	27.66	0.02	2.00	48.23	28.99	0.00	23.47	1.00	0.08	0.00	2.20	0.19	0.19	2.10	0.00	17.90	20.00	0.09
2019	Wet	QUINHAMEL 13	Quinhamel	Tubewell	4.79	27.89	0.02	1.99	46.10	32.01	0.00	23.98	0.98	0.08	0.00	2.00	0.19	0.18	1.98	0.00	18.20	20.00	0.09
2019	Wet	QUINHAMEL 13	Quinhamel	Tubewell	4.80	27.68	0.02	1.95	47.58	28.79	0.00	23.49	1.00	0.08	0.00	1.96	0.19	0.18	2.00	0.00	18.00	20.00	0.09
2019	Wet	QUINHAMEL 13	Quinhamel	Tubewell	4.80	27.59	0.02	1.96	47.97	29.00	0.00	23.89	1.00	0.08	0.00	2.20	0.20	0.19	1.89	0.00	18.02	20.00	0.09

2019	Wet	BAGDAD	Quinhamel	Tubewell	7.79	28.26	0.04	1.20	97.00	28.32	0.00	48.00	1.09	0.02	0.00	2.13	0.26	0.26	12.00	0.06	12.00	10.00	0.02
2019	Wet	BAGDAD	Quinhamel	Tubewell	6.97	28.10	0.04	0.98	96.00	27.16	0.00	46.95	1.07	0.02	0.00	2.15	0.26	0.25	12.00	0.06	11.70	10.00	0.02
2019	Wet	BAGDAD	Quinhamel	Tubewell	7.76	28.00	0.04	1.00	97.59	27.79	0.00	47.89	1.09	0.02	0.00	2.13	0.26	0.25	12.00	0.06	12.02	10.00	0.02
2019	Wet	BAGDAD	Quinhamel	Tubewell	7.78	28.06	0.04	1.12	97.49	26.98	0.00	48.20	1.09	0.02	0.00	2.14	0.26	0.26	12.00	0.06	12.20	10.00	0.02
2019	Wet	BAGDAD	Quinhamel	Tubewell	7.77	28.09	0.04	1.00	96.80	27.24	0.00	48.76	1.08	0.02	0.00	2.13	0.26	0.26	12.00	0.06	11.80	10.00	0.02
2019	Wet	BAGDAD	Quinhamel	Tubewell	7.79	28.28	0.04	1.00	97.89	28.12	0.00	48.88	1.09	0.02	0.00	2.09	0.26	0.26	12.00	0.06	12.00	10.00	0.02
2019	Wet	QUINHAMEL 15	Quinhamel	Tubewell	4.65	28.08	0.02	1.23	50.00	26.17	0.00	26.00	1.20	0.04	0.06	3.21	0.25	0.25	7.00	0.00	17.00	10.00	0.06
2019	Wet	QUINHAMEL 15	Quinhamel	Tubewell	4.64	27.89	0.02	1.25	49.23	26.78	0.00	27.00	1.20	0.04	0.06	3.32	0.25	0.25	7.00	0.00	16.85	10.00	0.06
2019	Wet	QUINHAMEL 15	Quinhamel	Tubewell	4.78	28.00	0.02	1.24	51.02	25.78	0.00	26.00	1.20	0.04	0.06	3.19	0.25	0.26	7.00	0.00	17.21	10.00	0.06
2019	Wet	QUINHAMEL 15	Quinhamel	Tubewell	4.80	28.05	0.02	1.25	50.23	26.12	0.00	26.23	1.20	0.04	0.06	3.22	0.25	0.25	7.00	0.00	17.08	10.00	0.06
2019	Wet	QUINHAMEL 15	Quinhamel	Tubewell	4.71	27.98	0.02	1.24	50.00	25.95	0.00	26.49	1.20	0.04	0.06	3.24	0.25	0.26	7.00	0.00	17.00	10.00	0.06
2019	Wet	QUINHAMEL 15	Quinhamel	Tubewell	4.70	27.89	0.02	1.25	50.89	25.47	0.00	27.19	1.20	0.04	0.06	3.23	0.25	0.25	7.00	0.00	17.00	10.00	0.06
2019	Wet	BANDIM	Bissau	Tap	8.27	28.00	0.26	1.30	530.00	42.40	0.00	265.00	1.00	0.00	0.04	8.00	0.55	0.55	225.00	0.12	19.00	15.00	0.11
2019	Wet	BANDIM	Bissau	Tap	8.17	28.07	0.26	1.33	528.05	40.74	0.00	263.21	1.00	0.00	0.04	8.00	0.55	0.55	224.20	0.12	19.00	15.00	0.11
2019	Wet	BANDIM	Bissau	Tap	8.26	28.02	0.26	1.29	530.41	42.00	0.00	267.58	1.00	0.00	0.04	7.98	0.55	0.56	224.00	0.12	19.00	15.00	0.11
2019	Wet	BANDIM	Bissau	Tap	8.24	28.06	0.26	1.30	530.00	41.89	0.00	267.21	1.00	0.00	0.04	8.00	0.55	0.56	224.98	0.12	19.00	15.00	0.11
2019	Wet	BANDIM	Bissau	Tap	8.25	28.00	0.26	1.30	529.36	42.00	0.00	264.79	1.00	0.00	0.04	7.96	0.55	0.55	225.00	0.12	19.00	15.00	0.11
2019	Wet	BANDIM	Bissau	Tap	8.26	28.00	0.26	1.29	530.02	42.63	0.00	264.69	1.00	0.00	0.04	8.00	0.55	0.54	225.10	0.12	19.00	15.00	0.11
2019	Wet	BANDIM	Bissau	Fountain	8.46	30.72	0.22	1.49	468.00	-2.60	0.00	234.00	0.57	0.01	0.01	5.00	0.34	0.34	210.00	0.10	20.00	15.00	0.14
2019	Wet	BANDIM	Bissau	Fountain	8.30	30.65	0.22	1.46	465.80	-2.49	0.00	230.51	0.58	0.01	0.01	5.00	0.34	0.34	199.46	0.10	19.87	15.00	0.14
2019	Wet	BANDIM	Bissau	Fountain	8.45	30.71	0.22	1.50	467.00	-2.39	0.00	232.21	0.59	0.01	0.01	5.00	0.36	0.33	212.00	0.10	20.20	15.00	0.14
2019	Wet	BANDIM	Bissau	Fountain	8.42	30.75	0.22	1.51	468.20	-2.62	0.00	233.69	0.60	0.01	0.01	5.00	0.34	0.34	212.11	0.10	19.79	15.00	0.14
2019	Wet	BANDIM	Bissau	Fountain	8.46	30.75	0.22	1.39	468.36	-2.62	0.00	234.15	0.57	0.01	0.01	5.00	0.35	0.34	209.00	0.10	20.36	15.00	0.14
2019	Wet	BANDIM	Bissau	Fountain	8.46	30.77	0.22	1.41	467.89	-2.62	0.00	235.21	0.57	0.01	0.01	5.00	0.34	0.33	212.89	0.10	20.32	15.00	0.14
2019	Wet	BANDIM	Bissau	Hole	8.14	32.14	0.26	1.00	541.00	-4.00	0.00	271.00	0.61	0.01	0.01	3.00	0.31	0.31	220.00	0.10	24.00	20.00	0.23
2019	Wet	BANDIM	Bissau	Hole	8.09	31.87	0.26	1.02	539.48	-3.56	0.00	270.10	0.63	0.01	0.01	3.00	0.33	0.30	218.79	0.10	23.54	20.00	0.23
2019	Wet	BANDIM	Bissau	Hole	8.10	32.18	0.26	0.99	540.89	-4.10	0.00	271.89	0.61	0.01	0.01	3.00	0.32	0.31	219.03	0.10	24.04	20.00	0.23
2019	Wet	BANDIM	Bissau	Hole	8.11	32.20	0.26	1.00	541.06	-3.98	0.00	271.96	0.62	0.01	0.01	3.00	0.32	0.32	220.03	0.10	24.52	20.00	0.23
2019	Wet	BANDIM	Bissau	Hole	8.13	31.98	0.26	1.03	542.89	-4.27	0.00	272.48	0.60	0.01	0.01	3.00	0.31	0.31	220.00	0.10	24.32	20.00	0.23
2019	Wet	BANDIM	Bissau	Hole	8.14	32.17	0.26	0.99	542.08	-4.29	0.00	272.89	0.61	0.01	0.01	3.00	0.31	0.30	219.80	0.10	24.74	20.00	0.23
2019	Wet	BANDIM	Bissau	Reservoir outlet	8.18	27.92	0.25	1.69	520.00	11.80	0.00	260.00	0.89	0.00	0.03	7.00	0.30	0.30	215.00	0.12	19.00	20.00	0.07
2019	Wet	BANDIM	Bissau	Reservoir outlet	7.98	27.10	0.25	1.79	518.00	11.02	0.00	271.00	0.90	0.00	0.02	7.00	0.30	0.31	219.01	0.12	20.00	19.00	0.07



2019	Wet	BANDIM	Bissau	Reservoir outlet	8.15	27.58	0.25	1.59	521.00	12.00	0.00	269.68	0.90	0.00	0.02	7.00	0.30	0.31	218.21	0.12	19.25	20.00	0.07
2019	Wet	BANDIM	Bissau	Reservoir outlet	8.18	27.89	0.25	1.68	520.57	11.28	0.00	270.18	0.88	0.00	0.02	7.00	0.30	0.31	216.45	0.12	18.98	18.89	0.07
2019	Wet	BANDIM	Bissau	Reservoir outlet	8.17	28.00	0.25	1.71	519.88	11.89	0.00	261.48	0.89	0.00	0.02	7.00	0.30	0.30	215.78	0.12	19.00	20.00	0.07
2019	Wet	BANDIM	Bissau	Reservoir outlet	8.17	27.89	0.25	1.68	520.00	12.03	0.00	260.79	0.90	0.00	0.02	7.00	0.30	0.29	215.37	0.12	18.80	20.00	0.07
2019	Wet	HSM	Bissau	Fountain	8.10	31.41	0.24	1.02	578.00	35.00	0.00	257.00	1.00	0.01	0.02	7.00	0.35	0.35	215.00	0.10	17.00	40.00	0.07
2019	Wet	HSM	Bissau	Fountain	8.20	30.30	0.24	1.09	575.12	34.48	0.00	257.01	1.00	0.01	0.02	7.00	0.35	0.35	216.32	0.10	17.00	38.93	0.07
2019	Wet	HSM	Bissau	Fountain	8.12	31.25	0.24	1.06	577.58	35.21	0.00	256.21	1.00	0.01	0.02	7.00	0.35	0.34	215.85	0.10	17.00	40.12	0.07
2019	Wet	HSM	Bissau	Fountain	8.18	31.45	0.24	1.10	578.49	34.80	0.00	258.03	1.00	0.01	0.02	7.00	0.35	0.34	215.79	0.10	17.00	39.46	0.07
2019	Wet	HSM	Bissau	Fountain	8.14	31.25	0.24	1.09	578.00	35.65	0.00	257.04	1.00	0.01	0.02	7.00	0.35	0.35	216.00	0.10	17.00	40.00	0.07
2019	Wet	HSM	Bissau	Fountain	8.15	31.29	0.24	1.08	577.98	35.23	0.00	257.05	1.00	0.01	0.02	7.00	0.35	0.34	216.32	0.10	17.00	40.12	0.07
2019	Wet	HSM	Bissau	Reservoir outlet	8.14	29.62	0.25	1.00	515.00	42.10	0.00	257.00	1.00	0.00	0.01	6.00	0.29	0.29	185.00	0.08	18.00	30.00	0.10
2019	Wet	HSM	Bissau	Reservoir outlet	7.94	30.00	0.25	1.00	511.60	43.10	0.00	260.00	1.00	0.00	0.01	6.52	0.29	0.28	183.23	0.08	18.24	30.12	0.10
2019	Wet	HSM	Bissau	Reservoir outlet	8.10	29.67	0.25	1.00	514.23	42.89	0.00	258.20	1.00	0.00	0.01	5.98	0.29	0.28	184.52	0.08	17.89	29.78	0.10
2019	Wet	HSM	Bissau	Reservoir outlet	8.12	29.46	0.25	1.00	514.03	42.78	0.00	258.48	1.00	0.00	0.01	6.02	0.29	0.29	185.21	0.08	17.49	30.00	0.10
2019	Wet	HSM	Bissau	Reservoir outlet	8.15	30.12	0.25	1.00	514.89	43.00	0.00	259.31	1.00	0.00	0.01	6.00	0.29	0.29	185.36	0.08	18.14	29.79	0.10
2019	Wet	HSM	Bissau	Reservoir outlet	8.15	29.68	0.25	1.00	514.79	42.69	0.00	259.12	1.00	0.00	0.01	5.99	0.29	0.29	185.00	0.08	18.25	30.00	0.10
2019	Wet	QJ	Bissau	Tap	7.95	29.18	0.22	3.00	496.00	26.90	0.00	230.00	1.00	0.01	0.04	8.00	0.24	0.24	205.00	0.08	15.00	60.00	0.12
2019	Wet	QJ	Bissau	Tap	8.00	30.00	0.22	2.99	494.30	27.01	0.00	228.90	0.99	0.01	0.04	8.00	0.24	0.24	204.20	0.08	14.87	60.00	0.12
2019	Wet	QJ	Bissau	Tap	8.21	29.12	0.22	3.01	495.85	26.79	0.00	229.64	0.98	0.01	0.04	8.00	0.24	0.23	204.78	0.08	15.02	59.89	0.12
2019	Wet	QJ	Bissau	Tap	8.12	29.32	0.22	3.00	495.46	27.00	0.00	230.14	1.00	0.01	0.04	8.00	0.24	0.24	205.75	0.08	15.00	60.02	0.12
2019	Wet	QJ	Bissau	Tap	7.99	29.24	0.22	2.95	494.89	27.08	0.00	230.85	1.02	0.01	0.04	8.00	0.24	0.25	205.36	0.08	15.40	60.49	0.12
2019	Wet	QJ	Bissau	Tap	7.90	30.01	0.22	3.12	496.05	26.89	0.00	230.45	1.03	0.01	0.04	8.00	0.24	0.24	204.98	0.08	14.79	60.21	0.12

**Table S2: Annex 2** The raw data used for microbiological analysis. Footnote references is added below table.

Date	Season	Location	Sampling point	Coliforms	<i>Escherichia coli</i>	Enterococcus	aerobic mesophilic microorganisms	<i>Vibrio Cholerae</i>	<i>Vibrio Parahaemolyticus</i>	<i>Vibrio vulnificus</i>
2019	Dry	H3A	Hole	0.00	0.00	0.00	24.00	0.00	0.00	0.00
2019	Dry	H3A	Hole	0.00	0.00	0.00	26.00	0.00	0.00	0.00
2019	Dry	H3A	Hole	0.00	0.00	0.00	27.00	0.00	0.00	0.00
2019	Dry	H3A	Hole	0.00	0.00	0.00	28.00	0.00	0.00	0.00
2019	Dry	H3A	Hole	0.00	0.00	0.00	21.00	0.00	0.00	0.00
2019	Dry	H3A	Hole	0.00	0.00	0.00	26.00	0.00	0.00	0.00
2019	Dry	H3A	Tap	2.00	0.00	0.00	72.00	0.00	0.00	0.00
2019	Dry	H3A	Tap	2.00	0.00	0.00	83.00	0.00	0.00	0.00
2019	Dry	H3A	Tap	1.00	0.00	0.00	71.00	0.00	0.00	0.00
2019	Dry	H3A	Tap	2.00	0.00	0.00	69.00	0.00	0.00	0.00
2019	Dry	H3A	Tap	3.00	0.00	0.00	86.00	0.00	0.00	0.00
2019	Dry	H3A	Tap	3.00	0.00	0.00	81.00	0.00	0.00	0.00
2019	Dry	H3A	Fountain	5.00	0.00	0.00	70.00	0.00	0.00	0.00
2019	Dry	H3A	Fountain	4.00	0.00	0.00	61.00	0.00	0.00	0.00
2019	Dry	H3A	Fountain	6.00	0.00	0.00	60.00	0.00	0.00	0.00
2019	Dry	H3A	Fountain	5.00	0.00	0.00	65.00	0.00	0.00	0.00
2019	Dry	H3A	Fountain	5.00	0.00	0.00	56.00	0.00	0.00	0.00
2019	Dry	H3A	Fountain	4.00	0.00	0.00	68.00	0.00	0.00	0.00
2019	Dry	HSE	Hole	0.00	0.00	0.00	148.00	0.00	0.00	0.00
2019	Dry	HSE	Hole	0.00	0.00	0.00	100.00	0.00	0.00	0.00
2019	Dry	HSE	Hole	0.00	0.00	0.00	99.00	0.00	0.00	0.00
2019	Dry	HSE	Hole	0.00	0.00	0.00	102.00	0.00	0.00	0.00
2019	Dry	HSE	Hole	0.00	0.00	0.00	89.00	0.00	0.00	0.00
2019	Dry	HSE	Hole	0.00	0.00	0.00	95.00	0.00	0.00	0.00
2019	Dry	HSE	Reservoir outlet	3.00	0.00	0.00	198.00	0.00	0.00	0.00
2019	Dry	HSE	Reservoir outlet	1.00	0.00	0.00	128.00	0.00	0.00	0.00
2019	Dry	HSE	Reservoir outlet	2.00	0.00	0.00	125.00	0.00	0.00	0.00
2019	Dry	HSE	Reservoir outlet	2.00	0.00	0.00	132.00	0.00	0.00	0.00
2019	Dry	HSE	Reservoir outlet	2.00	0.00	0.00	124.00	0.00	0.00	0.00
2019	Dry	HSE	Reservoir outlet	3.00	0.00	0.00	98.00	0.00	0.00	0.00

2019	Dry	HSE	Fountain	7.00	1.00	0.00	200.00	0.00	0.00	0.00
2019	Dry	HSE	Fountain	5.00	0.00	0.00	202.00	0.00	0.00	0.00
2019	Dry	HSE	Fountain	4.00	2.00	0.00	189.00	0.00	0.00	0.00
2019	Dry	HSE	Fountain	6.00	1.00	0.00	192.00	0.00	0.00	0.00
2019	Dry	HSE	Fountain	5.00	1.00	0.00	201.00	0.00	0.00	0.00
2019	Dry	HSE	Fountain	7.00	1.00	0.00	189.00	0.00	0.00	0.00
2019	Dry	BLELA	Shallow wells	90.00	70.00	23.00	252.00	0.00	0.00	0.00
2019	Dry	BLELA	Shallow wells	70.00	29.00	21.00	250.00	0.00	0.00	0.00
2019	Dry	BLELA	Shallow wells	81.00	31.00	24.00	270.00	0.00	0.00	0.00
2019	Dry	BLELA	Shallow wells	78.00	32.00	27.00	258.00	0.00	0.00	0.00
2019	Dry	BLELA	Shallow wells	91.00	28.00	31.00	281.00	0.00	0.00	0.00
2019	Dry	BLELA	Shallow wells	89.00	30.00	35.00	275.00	0.00	0.00	0.00
2019	Dry	INTOZINHO	Shallow wells	120.00	80.00	14.00	280.00	0.00	0.00	0.00
2019	Dry	INTOZINHO	Shallow wells	150.00	83.00	21.00	290.00	0.00	0.00	0.00
2019	Dry	INTOZINHO	Shallow wells	160.00	45.00	19.00	289.00	0.00	0.00	0.00
2019	Dry	INTOZINHO	Shallow wells	152.00	29.00	21.00	285.00	0.00	0.00	0.00
2019	Dry	INTOZINHO	Shallow wells	157.00	30.00	17.00	279.00	0.00	0.00	0.00
2019	Dry	INTOZINHO	Shallow wells	165.00	33.00	20.00	287.00	0.00	0.00	0.00
2019	Dry	BOR	Shallow wells	39.00	5.00	17.00	152.00	0.00	0.00	0.00
2019	Dry	BOR	Shallow wells	29.00	2.00	11.00	164.00	0.00	0.00	0.00
2019	Dry	BOR	Shallow wells	30.00	2.00	10.00	160.00	0.00	0.00	0.00
2019	Dry	BOR	Shallow wells	31.00	1.00	12.00	158.00	0.00	0.00	0.00
2019	Dry	BOR	Shallow wells	32.00	2.00	14.00	164.00	0.00	0.00	0.00
2019	Dry	BOR	Shallow wells	28.00	2.00	15.00	114.00	0.00	0.00	0.00
2019	Dry	BOR	Shallow wells	30.00	19.00	19.00	90.00	0.00	0.00	0.00
2019	Dry	BOR	Shallow wells	35.00	25.00	10.00	312.00	0.00	0.00	0.00
2019	Dry	BOR	Shallow wells	29.00	20.00	8.00	308.00	0.00	0.00	0.00
2019	Dry	BOR	Shallow wells	34.00	16.00	11.00	280.00	0.00	0.00	0.00
2019	Dry	BOR	Shallow wells	36.00	21.00	7.00	302.00	0.00	0.00	0.00
2019	Dry	BOR	Shallow wells	36.00	21.00	10.00	304.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	28.00	1.00	4.00	78.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	21.00	1.00	2.00	80.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	23.00	1.00	1.00	69.00	0.00	0.00	0.00

2019	Dry	QUINHAMEL	Tubewell	24.00	1.00	1.00	75.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	20.00	2.00	1.00	85.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	18.00	2.00	0.00	82.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	35.00	2.00	2.00	70.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	21.00	1.00	1.00	60.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	19.00	1.00	1.00	58.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	23.00	1.00	0.00	62.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	24.00	2.00	0.00	59.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	20.00	1.00	1.00	61.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	29.00	2.00	3.00	41.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	39.00	2.00	2.00	52.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	40.00	2.00	2.00	60.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	38.00	2.00	1.00	78.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	41.00	3.00	0.00	85.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	37.00	4.00	0.00	92.00	0.00	0.00	0.00
2019	Dry	BAGDAD	Tubewell	16.00	2.00	0.00	134.00	0.00	0.00	0.00
2019	Dry	BAGDAD	Tubewell	19.00	1.00	0.00	128.00	0.00	0.00	0.00
2019	Dry	BAGDAD	Tubewell	31.00	2.00	1.00	130.00	0.00	0.00	0.00
2019	Dry	BAGDAD	Tubewell	21.00	3.00	0.00	135.00	0.00	0.00	0.00
2019	Dry	BAGDAD	Tubewell	32.00	4.00	1.00	129.00	0.00	0.00	0.00
2019	Dry	BAGDAD	Tubewell	29.00	2.00	0.00	140.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	12.00	2.00	1.00	140.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	11.00	1.00	1.00	124.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	15.00	1.00	1.00	130.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	12.00	0.00	1.00	136.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	16.00	2.00	0.00	140.00	0.00	0.00	0.00
2019	Dry	QUINHAMEL	Tubewell	11.00	2.00	1.00	131.00	0.00	0.00	0.00
2019	Dry	BANDIM	Tap	8.00	1.00	0.00	120.00	0.00	0.00	0.00
2019	Dry	BANDIM	Tap	7.00	1.00	0.00	122.00	0.00	0.00	0.00
2019	Dry	BANDIM	Tap	8.00	0.00	0.00	95.00	0.00	0.00	0.00
2019	Dry	BANDIM	Tap	6.00	1.00	0.00	96.00	0.00	0.00	0.00
2019	Dry	BANDIM	Tap	9.00	0.00	0.00	96.00	0.00	0.00	0.00
2019	Dry	BANDIM	Tap	9.00	0.00	0.00	94.00	0.00	0.00	0.00

2019	Dry	BANDIM	Fountain	12.00	0.00	0.00	104.00	0.00	0.00	0.00
2019	Dry	BANDIM	Fountain	9.00	1.00	0.00	107.00	0.00	0.00	0.00
2019	Dry	BANDIM	Fountain	8.00	1.00	0.00	109.00	0.00	0.00	0.00
2019	Dry	BANDIM	Fountain	10.00	0.00	0.00	105.00	0.00	0.00	0.00
2019	Dry	BANDIM	Fountain	9.00	1.00	0.00	112.00	0.00	0.00	0.00
2019	Dry	BANDIM	Fountain	7.00	1.00	0.00	110.00	0.00	0.00	0.00
2019	Dry	BANDIM	Hole	0.00	0.00	0.00	23.00	0.00	0.00	0.00
2019	Dry	BANDIM	Hole	0.00	0.00	0.00	26.00	0.00	0.00	0.00
2019	Dry	BANDIM	Hole	0.00	0.00	0.00	30.00	0.00	0.00	0.00
2019	Dry	BANDIM	Hole	0.00	0.00	0.00	35.00	0.00	0.00	0.00
2019	Dry	BANDIM	Hole	0.00	0.00	0.00	26.00	0.00	0.00	0.00
2019	Dry	BANDIM	Hole	0.00	0.00	0.00	28.00	0.00	0.00	0.00
2019	Dry	BANDIM	Reservoir outlet	8.00	2.00	0.00	95.00	0.00	0.00	0.00
2019	Dry	BANDIM	Reservoir outlet	10.00	0.00	0.00	89.00	0.00	0.00	0.00
2019	Dry	BANDIM	Reservoir outlet	11.00	0.00	0.00	90.00	0.00	0.00	0.00
2019	Dry	BANDIM	Reservoir outlet	12.00	1.00	0.00	93.00	0.00	0.00	0.00
2019	Dry	BANDIM	Reservoir outlet	15.00	1.00	0.00	87.00	0.00	0.00	0.00
2019	Dry	BANDIM	Reservoir outlet	14.00	2.00	0.00	84.00	0.00	0.00	0.00
2019	Dry	HSM	Fountain	10.00	0.00	0.00	260.00	0.00	0.00	0.00
2019	Dry	HSM	Fountain	10.00	0.00	0.00	280.00	0.00	0.00	0.00
2019	Dry	HSM	Fountain	11.00	2.00	0.00	286.00	0.00	0.00	0.00
2019	Dry	HSM	Fountain	10.00	1.00	0.00	280.00	0.00	0.00	0.00
2019	Dry	HSM	Fountain	9.00	1.00	0.00	250.00	0.00	0.00	0.00
2019	Dry	HSM	Fountain	12.00	1.00	0.00	198.00	0.00	0.00	0.00
2019	Dry	HSM	Reservoir outlet	4.00	1.00	0.00	201.00	0.00	0.00	0.00
2019	Dry	HSM	Reservoir outlet	5.00	0.00	0.00	198.00	0.00	0.00	0.00
2019	Dry	HSM	Reservoir outlet	6.00	1.00	0.00	189.00	0.00	0.00	0.00
2019	Dry	HSM	Reservoir outlet	4.00	1.00	0.00	186.00	0.00	0.00	0.00
2019	Dry	HSM	Reservoir outlet	5.00	2.00	0.00	200.00	0.00	0.00	0.00
2019	Dry	HSM	Reservoir outlet	7.00	2.00	0.00	182.00	0.00	0.00	0.00
2019	Dry	QJ	Tap	15.00	3.00	0.00	222.00	0.00	0.00	0.00
2019	Dry	QJ	Tap	12.00	1.00	0.00	200.00	0.00	0.00	0.00
2019	Dry	QJ	Tap	17.00	1.00	0.00	189.00	0.00	0.00	0.00

2019	Dry	QJ	Tap	21.00	0.00	0.00	201.00	0.00	0.00	0.00
2019	Dry	QJ	Tap	24.00	2.00	0.00	158.00	0.00	0.00	0.00
2019	Dry	QJ	Tap	16.00	1.00	0.00	216.00	0.00	0.00	0.00
2019	Dry	H3A	Hole	0.00	0.00	0.00	60.00	0.00	0.00	0.00
2019	Wet	H3A	Hole	0.00	0.00	0.00	64.00	0.00	0.00	0.00
2019	Wet	H3A	Hole	0.00	0.00	0.00	70.00	0.00	0.00	0.00
2019	Wet	H3A	Hole	0.00	0.00	0.00	65.00	0.00	0.00	0.00
2019	Wet	H3A	Hole	0.00	0.00	0.00	62.00	0.00	0.00	0.00
2019	Wet	H3A	Hole	0.00	0.00	0.00	65.00	0.00	0.00	0.00
2019	Wet	H3A	Tap	4.00	0.00	0.00	304.00	0.00	0.00	0.00
2019	Wet	H3A	Tap	4.00	0.00	0.00	308.00	0.00	0.00	0.00
2019	Wet	H3A	Tap	3.00	0.00	0.00	250.00	0.00	0.00	0.00
2019	Wet	H3A	Tap	3.00	0.00	0.00	296.00	0.00	0.00	0.00
2019	Wet	H3A	Tap	5.00	0.00	0.00	302.00	0.00	0.00	0.00
2019	Wet	H3A	Tap	3.00	0.00	0.00	320.00	0.00	0.00	0.00
2019	Wet	H3A	Fountain	10.00	3.00	0.00	312.00	0.00	0.00	0.00
2019	Wet	H3A	Fountain	7.00	2.00	0.00	292.00	0.00	0.00	0.00
2019	Wet	H3A	Fountain	9.00	2.00	0.00	290.00	0.00	0.00	0.00
2019	Wet	H3A	Fountain	12.00	1.00	0.00	300.00	0.00	0.00	0.00
2019	Wet	H3A	Fountain	8.00	1.00	0.00	301.00	0.00	0.00	0.00
2019	Wet	H3A	Fountain	9.00	0.00	0.00	306.00	0.00	0.00	0.00
2019	Wet	HSE	Hole	0.00	0.00	0.00	200.00	0.00	0.00	0.00
2019	Wet	HSE	Hole	0.00	0.00	0.00	180.00	0.00	0.00	0.00
2019	Wet	HSE	Hole	0.00	0.00	0.00	206.00	0.00	0.00	0.00
2019	Wet	HSE	Hole	0.00	0.00	0.00	159.00	0.00	0.00	0.00
2019	Wet	HSE	Hole	0.00	0.00	0.00	158.00	0.00	0.00	0.00
2019	Wet	HSE	Hole	0.00	0.00	0.00	201.00	0.00	0.00	0.00
2019	Wet	HSE	Reservoir outlet	4.00	1.00	0.00	212.00	0.00	0.00	0.00
2019	Wet	HSE	Reservoir outlet	3.00	1.00	0.00	215.00	0.00	0.00	0.00
2019	Wet	HSE	Reservoir outlet	5.00	0.00	0.00	218.00	0.00	0.00	0.00
2019	Wet	HSE	Reservoir outlet	6.00	0.00	0.00	209.00	0.00	0.00	0.00
2019	Wet	HSE	Reservoir outlet	7.00	2.00	0.00	216.00	0.00	0.00	0.00
2019	Wet	HSE	Reservoir outlet	8.00	2.00	0.00	218.00	0.00	0.00	0.00

2019	Wet	HSE	Fountain	8.00	2.00	0.00	296.00	0.00	0.00	0.00
2019	Wet	HSE	Fountain	7.00	0.00	0.00	292.00	0.00	0.00	0.00
2019	Wet	HSE	Fountain	10.00	0.00	0.00	189.00	0.00	0.00	0.00
2019	Wet	HSE	Fountain	12.00	2.00	0.00	203.00	0.00	0.00	0.00
2019	Wet	HSE	Fountain	15.00	3.00	0.00	221.00	0.00	0.00	0.00
2019	Wet	HSE	Fountain	18.00	2.00	0.00	240.00	0.00	0.00	0.00
2019	Wet	BLELA	Shallow wells	100.00	70.00	6.00	328.00	0.00	0.00	0.00
2019	Wet	BLELA	Shallow wells	96.00	75.00	4.00	336.00	0.00	0.00	0.00
2019	Wet	BLELA	Shallow wells	210.00	85.00	4.00	362.00	0.00	0.00	0.00
2019	Wet	BLELA	Shallow wells	183.00	82.00	3.00	360.00	0.00	0.00	0.00
2019	Wet	BLELA	Shallow wells	198.00	79.00	1.00	316.00	0.00	0.00	0.00
2019	Wet	BLELA	Shallow wells	204.00	91.00	5.00	316.00	0.00	0.00	0.00
2019	Wet	INTOZINHO	Shallow wells	336.00	120.00	3.00	344.00	0.00	0.00	0.00
2019	Wet	INTOZINHO	Shallow wells	324.00	154.00	2.00	324.00	0.00	0.00	0.00
2019	Wet	INTOZINHO	Shallow wells	300.00	150.00	1.00	336.00	0.00	0.00	0.00
2019	Wet	INTOZINHO	Shallow wells	304.00	152.00	2.00	340.00	0.00	0.00	0.00
2019	Wet	INTOZINHO	Shallow wells	308.00	161.00	2.00	312.00	0.00	0.00	0.00
2019	Wet	INTOZINHO	Shallow wells	308.00	159.00	2.00	320.00	0.00	0.00	0.00
2019	Wet	BOR	Shallow wells	43.00	7.00	1.00	324.00	0.00	0.00	0.00
2019	Wet	BOR	Shallow wells	39.00	3.00	2.00	336.00	0.00	0.00	0.00
2019	Wet	BOR	Shallow wells	41.00	2.00	1.00	340.00	0.00	0.00	0.00
2019	Wet	BOR	Shallow wells	52.00	3.00	1.00	336.00	0.00	0.00	0.00
2019	Wet	BOR	Shallow wells	50.00	1.00	2.00	320.00	0.00	0.00	0.00
2019	Wet	BOR	Shallow wells	53.00	3.00	1.00	324.00	0.00	0.00	0.00
2019	Wet	BOR	Shallow wells	40.00	37.00	1.00	328.00	0.00	0.00	0.00
2019	Wet	BOR	Shallow wells	38.00	9.00	1.00	312.00	0.00	0.00	0.00
2019	Wet	BOR	Shallow wells	48.00	5.00	1.00	356.00	0.00	0.00	0.00
2019	Wet	BOR	Shallow wells	52.00	6.00	0.00	350.00	0.00	0.00	0.00
2019	Wet	BOR	Shallow wells	39.00	7.00	1.00	356.00	0.00	0.00	0.00
2019	Wet	BOR	Shallow wells	48.00	9.00	2.00	354.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	25.00	1.00	0.00	60.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	35.00	1.00	0.00	52.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	36.00	2.00	0.00	62.00	0.00	0.00	0.00

2019	Wet	QUINHAMEL	Tubewell	40.00	1.00	0.00	50.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	41.00	2.00	0.00	61.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	39.00	1.00	0.00	65.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	101.00	2.00	0.00	172.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	99.00	2.00	0.00	164.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	103.00	1.00	0.00	160.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	100.00	1.00	0.00	180.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	98.00	2.00	0.00	179.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	79.00	1.00	0.00	181.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	31.00	6.00	0.00	284.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	21.00	4.00	0.00	274.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	25.00	2.00	0.00	280.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	23.00	2.00	0.00	276.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	32.00	1.00	0.00	259.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	35.00	3.00	0.00	270.00	0.00	0.00	0.00
2019	Wet	BAGDAD	Tubewell	36.00	4.00	0.00	288.00	0.00	0.00	0.00
2019	Wet	BAGDAD	Tubewell	25.00	3.00	0.00	312.00	0.00	0.00	0.00
2019	Wet	BAGDAD	Tubewell	25.00	2.00	0.00	280.00	0.00	0.00	0.00
2019	Wet	BAGDAD	Tubewell	29.00	1.00	0.00	181.00	0.00	0.00	0.00
2019	Wet	BAGDAD	Tubewell	25.00	0.00	0.00	204.00	0.00	0.00	0.00
2019	Wet	BAGDAD	Tubewell	27.00	1.00	0.00	284.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	20.00	2.00	0.00	304.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	18.00	2.00	0.00	300.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	25.00	0.00	0.00	281.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	22.00	1.00	0.00	288.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	27.00	2.00	0.00	270.00	0.00	0.00	0.00
2019	Wet	QUINHAMEL	Tubewell	27.00	2.00	0.00	259.00	0.00	0.00	0.00
2019	Wet	BANDIM	Tap	10.00	2.00	0.00	324.00	0.00	0.00	0.00
2019	Wet	BANDIM	Tap	8.00	1.00	0.00	320.00	0.00	0.00	0.00
2019	Wet	BANDIM	Tap	12.00	1.00	0.00	260.00	0.00	0.00	0.00
2019	Wet	BANDIM	Tap	15.00	1.00	0.00	270.00	0.00	0.00	0.00
2019	Wet	BANDIM	Tap	16.00	1.00	0.00	304.00	0.00	0.00	0.00
2019	Wet	BANDIM	Tap	16.00	1.00	0.00	204.00	0.00	0.00	0.00



2019	Wet	BANDIM	Fountain	9.00	1.00	0.00	298.00	0.00	0.00	0.00
2019	Wet	BANDIM	Fountain	7.00	1.00	0.00	292.00	0.00	0.00	0.00
2019	Wet	BANDIM	Fountain	15.00	1.00	0.00	305.00	0.00	0.00	0.00
2019	Wet	BANDIM	Fountain	18.00	1.00	0.00	289.00	0.00	0.00	0.00
2019	Wet	BANDIM	Fountain	18.00	1.00	0.00	301.00	0.00	0.00	0.00
2019	Wet	BANDIM	Fountain	19.00	1.00	0.00	304.00	0.00	0.00	0.00
2019	Wet	BANDIM	Hole	0.00	0.00	0.00	30.00	0.00	0.00	0.00
2019	Wet	BANDIM	Hole	0.00	0.00	0.00	35.00	0.00	0.00	0.00
2019	Wet	BANDIM	Hole	0.00	0.00	0.00	40.00	0.00	0.00	0.00
2019	Wet	BANDIM	Hole	0.00	0.00	0.00	42.00	0.00	0.00	0.00
2019	Wet	BANDIM	Hole	0.00	0.00	0.00	47.00	0.00	0.00	0.00
2019	Wet	BANDIM	Hole	0.00	0.00	0.00	50.00	0.00	0.00	0.00
2019	Wet	BANDIM	Reservoir outlet	15.00	0.00	0.00	280.00	0.00	0.00	0.00
2019	Wet	BANDIM	Reservoir outlet	13.00	0.00	0.00	260.00	0.00	0.00	0.00
2019	Wet	BANDIM	Reservoir outlet	16.00	1.00	0.00	282.00	0.00	0.00	0.00
2019	Wet	BANDIM	Reservoir outlet	14.00	1.00	0.00	280.00	0.00	0.00	0.00
2019	Wet	BANDIM	Reservoir outlet	12.00	1.00	0.00	186.00	0.00	0.00	0.00
2019	Wet	BANDIM	Reservoir outlet	17.00	1.00	0.00	196.00	0.00	0.00	0.00
2019	Wet	HSM	Fountain	12.00	0.00	0.00	280.00	0.00	0.00	0.00
2019	Wet	HSM	Fountain	15.00	1.00	0.00	300.00	0.00	0.00	0.00
2019	Wet	HSM	Fountain	17.00	0.00	0.00	280.00	0.00	0.00	0.00
2019	Wet	HSM	Fountain	18.00	0.00	0.00	282.00	0.00	0.00	0.00
2019	Wet	HSM	Fountain	14.00	1.00	0.00	302.00	0.00	0.00	0.00
2019	Wet	HSM	Fountain	17.00	1.00	0.00	300.00	0.00	0.00	0.00
2019	Wet	HSM	Reservoir outlet	6.00	2.00	0.00	289.00	0.00	0.00	0.00
2019	Wet	HSM	Reservoir outlet	7.00	2.00	0.00	291.00	0.00	0.00	0.00
2019	Wet	HSM	Reservoir outlet	8.00	1.00	0.00	287.00	0.00	0.00	0.00
2019	Wet	HSM	Reservoir outlet	7.00	1.00	0.00	284.00	0.00	0.00	0.00
2019	Wet	HSM	Reservoir outlet	6.00	1.00	0.00	196.00	0.00	0.00	0.00
2019	Wet	HSM	Reservoir outlet	8.00	1.00	0.00	201.00	0.00	0.00	0.00
2019	Wet	QJ	Tap	17.00	2.00	0.00	260.00	0.00	0.00	0.00
2019	Wet	QJ	Tap	19.00	2.00	0.00	244.00	0.00	0.00	0.00
2019	Wet	QJ	Tap	21.00	1.00	0.00	244.00	0.00	0.00	0.00

2019	Wet	QJ	Tap	25.00	1.00	0.00	189.00	0.00	0.00	0.00
2019	Wet	QJ	Tap	28.00	1.00	0.00	196.00	0.00	0.00	0.00
2019	Wet	QJ	Tap	24.00	1.00	0.00	260.00	0.00	0.00	0.00