

Input Data									GW Inputs	
Maximum Capacity of New Field Lagoon		794,937	m3							
Available Abstraction from River Blackwater (winter abstraction only - up to 250,000m3)	01 Nov - 31 Mar inc.	Mtd	m3/d	No. of Days					Permeability (m/day)	2.16E-04
		1	950.00	151					Liner Thickness	1
Total Lagoon surface water catchment		859250	m2						GW Level	35
Surface Area of Lagoon at Capacity		82,857	m2							
Process Lagoon Evaporative Loss / Rainfall Input (MAFF Agroclimate Area 33E)			Evap Loss (Grass)	Evap Loss (Open Water)	Rainfall Input		Net Rainfall / Evaporation		Evaporation (open Water)	Days in Month
	Month	mm/mth	mm/mth	mm/mth	Rainfall (m/day)	Evaporation (Grass)	Effective Rainfall			
	1	15.36	21.9648	49	0.0016	0.00050	0.00109		0.000708542	31
	2	18.47	21.0558	38	0.0014	0.00066	0.00070		0.000751993	28
	3	35.01	32.2092	38	0.0012	0.00113	0.00010		0.001039006	31
	4	51.36	48.792	37	0.0012	0.00171	0.00000		0.0016264	30
	5	77.68	70.6888	44	0.0014	0.00251	0.00000		0.002280284	31
	6	85.08	86.7816	47	0.0016	0.00284	0.00000		0.00289272	30
	7	94.15	116.746	55	0.0018	0.00304	0.00000		0.003766	31
	8	80.26	109.9562	60	0.0019	0.00259	0.00000		0.003546974	31
	9	52.34	76.9398	49	0.0016	0.00174	0.00000		0.00256466	30
	10	33.04	65.7496	50	0.0016	0.00107	0.00055		0.002120955	31
	11	19.02	43.5558	59	0.0020	0.00063	0.00133		0.00145186	30
	12	15.08	29.406	51	0.0016	0.00049	0.00116		0.000948581	31
Capacity of Lagoon at Start of Simulation:		666794	m3							
Abstraction Rate to Process from Storage Lagoon:		185,238	m3/a							
		507.50	m3/d							

= input value required to run model
(other values are calculated)

Modelling Output

Date	Inflows				Outflows			Net Volume of Water In Lagoon	Calculations			Groundwater Calcs	
	Volume of Water In Lagoon	Abstraction from R Blackwater	Direct Rainfall Inflow	SW Run-Off	Abstraction from Lagoon to Process	Loss / Make to Lagoon From Groundwater	Evaporative Losses		Lagoon Area	Water Level	Water Depth	Groundwater head	cross-section Area
	m3	m3/d	m3/d	m3/d	m3/d	m3/d	m3/d	m2	mAOD	m Above Base	m	m2	
01/01/2016	666794	950.00	130.97		507.50	-1.26	58.71	667,308	123214	40	6	-7580	
02/01/2016	667,308	950.00	194.76	439.29	507.50	-4.0932	87.30	668,293	123310.8	40.01	6.01	-7597.54476	
03/01/2016	668,293	950.00	194.91	439.24	507.50	-4.1109	87.37	669,278	123407.6	40.02	6.02	-7615.09904	
04/01/2016	669,278	950.00	195.06	439.18	507.50	-4.1286	87.44	670,263	123407.6	40.02	6.02	-7615.09904	
05/01/2016	670,263	950.00	195.06	439.18	507.50	-4.1286	87.44	671,248	123504.4	40.03	6.03	-7632.66284	
06/01/2016	671,248	950.00	195.22	439.12	507.50	-4.1464	87.51	672,233	123601.2	40.04	6.04	-7650.23616	
07/01/2016	672,233	950.00	195.37	439.06	507.50	-4.1642	87.58	673,219	123698	40.05	6.05	-7667.819	
08/01/2016	673,219	950.00	195.52	439.01	507.50	-4.1820	87.65	674,204	123698	40.05	6.05	-7667.819	
09/01/2016	674,204	950.00	195.52	439.01	507.50	-4.1820	87.65	675,189	123794.8	40.06	6.06	-7685.41136	
10/01/2016	675,189	950.00	195.68	438.95	507.50	-4.1999	87.71	676,174	123891.6	40.07	6.07	-7703.01324	
11/01/2016	676,174	950.00	195.83	438.89	507.50	-4.2179	87.78	677,159	123988.4	40.08	6.08	-7720.62464	
12/01/2016	677,159	950.00	195.98	438.83	507.50	-4.2358	87.85	678,145	124085.2	40.09	6.09	-7738.24556	
13/01/2016	678,145	950.00	196.13	438.77	507.50	-4.2539	87.92	679,130	124085.2	40.09	6.09	-7738.24556	
14/01/2016	679,130	950.00	196.13	438.77	507.50	-4.2539	87.92	680,115	124182	40.1	6.1	-7755.876	
15/01/2016	680,115	950.00	196.29	438.72	507.50	-4.2719	87.99	681,100	124278.8	40.11	6.11	-7773.51596	
16/01/2016	681,100	950.00	196.44	438.66	507.50	-4.2900	88.06	682,086	124375.6	40.12	6.12	-7791.16544	
17/01/2016	682,086	950.00	196.59	438.60	507.50	-4.3082	88.13	683,071	124472.4	40.13	6.13	-7808.82444	
18/01/2016	683,071	950.00	196.75	438.54	507.50	-4.3264	88.19	684,056	124472.4	40.13	6.13	-7808.82444	
19/01/2016	684,056	950.00	196.75	438.54	507.50	-4.3264	88.19	685,041	124569.2	40.14	6.14	-7826.49296	
20/01/2016	685,041	950.00	196.90	438.49	507.50	-4.3446	88.26	686,027	124666	40.15	6.15	-7844.171	
21/01/2016	686,027	950.00	197.05	438.43	507.50	-4.3629	88.33	687,012	124762.8	40.16	6.16	-7861.85856	
22/01/2016	687,012	950.00	197.21	438.37	507.50	-4.3813	88.40	687,997	124859.6	40.17	6.17	-7879.55564	
23/01/2016	687,997	950.00	197.36	438.31	507.50	-4.3996	88.47	688,983	124859.6	40.17	6.17	-7879.55564	
24/01/2016	688,983	950.00	197.52	438.25	507.50	-4.4180	88.54	689,968	124956.4	40.18	6.18	-7897.26224	
25/01/2016	689,968	950.00	197.68	438.19	507.50	-4.4363	88.61	690,953	125053.2	40.19	6.19	-7914.97836	
26/01/2016	690,953	950.00	197.83	438.13	507.50	-4.4546	88.68	691,938	125150	40.2	6.2	-7932.704	
27/01/2016	691,938	950.00	197.98	438.07	507.50	-4.4729	88.75	692,923	125246.8	40.21	6.21	-7950.43916	
28/01/2016	692,923	950.00	198.13	438.01	507.50	-4.4912	88.82	693,908	125343.6	40.22	6.22	-7968.18384	
29/01/2016	693,908	950.00	198.28	437.95	507.50	-4.5095	88.89	694,893	125440.4	40.23	6.23	-7985.93804	
30/01/2016	694,893	950.00	198.43	437.89	507.50	-4.5278	88.96	695,878	125537.2	40.24	6.24	-8003.70176	
31/01/2016	695,878	950.00	198.58	437.83	507.50	-4.5461	89.03	696,863	125537.2	40.24	6.24	-8003.70176	
01/02/2016	696,863	950.00	198.73	437.77	507.50	-4.5644	89.10	697,848	125634	40.25	6.25	-8021.475	
02/02/2016	697,848	950.00	198.88	437.71	507.50	-4.5827	89.17	698,833	125730.8	40.26	6.26	-8039.25776	
03/02/2016	698,833	950.00	199.03	437.65	507.50	-4.6010	89.24	699,818	125827.6	40.27	6.27	-8057.05004	
04/02/2016	699,818	950.00	199.18	437.59	507.50	-4.6193	89.31	700,803	125924.4	40.28	6.28	-8074.85184	
05/02/2016	700,803	950.00	199.33	437.53	507.50	-4.6376	89.38	701,788	126021.2	40.29	6.29	-8092.66316	
06/02/2016	701,788	950.00	199.48	437.47	507.50	-4.6559	89.45	702,773	126118	40.3	6.3	-8110.484	
07/02/2016	702,773	950.00	199.63	437.41	507.50	-4.6742	89.52	703,758	126214.8	40.31	6.31	-8128.31436	
08/02/2016	703,758	950.00	199.78	437.35	507.50	-4.6925	89.59	704,743	126311.6	40.32	6.32	-8146.15424	
09/02/2016	704,743	950.00	199.93	437.29	507.50	-4.7108	89.66	705,728	126408.4	40.33	6.33	-8164.00364	
10/02/2016	705,728	950.00	200.08	437.23	507.50	-4.7291	89.73	706,713	126505.2	40.34	6.34	-8181.86256	
11/02/2016	706,713	950.00	200.23	437.17	507.50	-4.7474	89.80	707,698	126602	40.35	6.35	-8200.00000	
12/02/2016	707,698	950.00	200.38	437.11	507.50	-4.7657	89.87	708,683	126698.8	40.36	6.36	-8218.13744	
13/02/2016	708,683	950.00	200.53	437.05	507.50	-4.7840	89.94	709,668	126795.6	40.37	6.37	-8236.27488	
14/02/2016	709,668	950.00	200.68	436.99	507.50	-4.8023	89.99	710,653	126892.4	40.38	6.38	-8254.41232	
15/02/2016	710,653	950.00	200.83	436.93	507.50	-4.8206	90.06	711,638	126989.2	40.39	6.39	-8272.54976	
16/02/2016	711,638	950.00	200.98	436.87	507.50	-4.8389	90.13	712,623	127086	40.4	6.4	-8290.68720	
17/02/2016	712,623	950.00	201.13	436.81	507.50	-4.8572	90.20	713,608	127182.8	40.41	6.41	-8308.82464	

Date	Inflows				Outflows				Calculations				Groundwater Calcs	
	Volume of Water In Lagoon	Abstraction from R Blackwater	Direct Rainfall Inflow	SW Run-Off	Abstraction from Lagoon to Process	Loss / Make to Lagoon From Groundwater	Evaporative Losses	Net Volume of Water In Lagoon	Lagoon Area	Water Level	Water Depth	Groundwater head	cross-section Area	
	m3	m3/d	m3/d	m3/d	m3/d	m3/d	m3/d	m2	mAOD	m Above Base	m	m2		
18/02/2016	710,387	950.00	171.69	281.10	507.50	-4.7186	95.13	711,183	126602	40.35	6.35	-5.35	-8199.731	
19/02/2016	711,183	950.00	171.82	281.06	507.50	-4.7378	95.20	711,978	126698.8	40.36	6.36	-5.36	-8217.60896	
20/02/2016	711,978	950.00	171.95	281.02	507.50	-4.7570	95.28	712,774	126698.8	40.36	6.36	-5.36	-8217.60896	
21/02/2016	712,774	950.00	171.95	281.02	507.50	-4.7570	95.28	713,569	126795.6	40.37	6.37	-5.37	-8235.49644	
22/02/2016	713,569	950.00	172.08	280.99	507.50	-4.7763	95.35	714,365	126892.4	40.38	6.38	-5.38	-8253.39344	
23/02/2016	714,365	950.00	172.21	280.95	507.50	-4.7956	95.42	715,160	126892.4	40.38	6.38	-5.38	-8253.39344	
24/02/2016	715,160	950.00	172.21	280.95	507.50	-4.7956	95.42	715,955	126989.2	40.39	6.39	-5.39	-8271.29996	
25/02/2016	715,955	950.00	172.34	280.91	507.50	-4.8149	95.49	716,751	126989.2	40.39	6.39	-5.39	-8271.29996	
26/02/2016	716,751	950.00	172.34	280.91	507.50	-4.8149	95.49	717,546	127086	40.4	6.4	-5.4	-8289.216	
27/02/2016	717,546	950.00	172.47	280.88	507.50	-4.8343	95.57	718,342	127182.8	40.41	6.41	-5.41	-8307.14156	
28/02/2016	718,342	950.00	172.61	280.84	507.50	-4.8537	95.64	719,137	127182.8	40.41	6.41	-5.41	-8307.14156	
29/02/2016	719,137	950.00	172.61	280.84	507.50	-4.8537	95.64	719,933	127279.6	40.42	6.42	-5.42	-8325.07664	
01/03/2016	719,933	950.00	156.02	38.83	507.50	-4.8732	132.24	720,433	127279.6	40.42	6.42	-5.42	-8325.07664	
02/03/2016	720,433	950.00	156.02	38.83	507.50	-4.8732	132.24	720,933	127376.4	40.43	6.43	-5.43	-8343.02124	
03/03/2016	720,933	950.00	156.14	38.82	507.50	-4.8927	132.34	721,433	127376.4	40.43	6.43	-5.43	-8343.02124	
04/03/2016	721,433	950.00	156.14	38.82	507.50	-4.8927	132.34	721,934	127376.4	40.43	6.43	-5.43	-8343.02124	
05/03/2016	721,934	950.00	156.14	38.82	507.50	-4.8927	132.34	722,434	127473.2	40.44	6.44	-5.44	-8360.97536	
06/03/2016	722,434	950.00	156.26	38.82	507.50	-4.9122	132.45	722,934	127473.2	40.44	6.44	-5.44	-8360.97536	
07/03/2016	722,934	950.00	156.26	38.82	507.50	-4.9122	132.45	723,434	127570	40.45	6.45	-5.45	-8378.939	
08/03/2016	723,434	950.00	156.38	38.81	507.50	-4.9318	132.55	723,934	127570	40.45	6.45	-5.45	-8378.939	
09/03/2016	723,934	950.00	156.38	38.81	507.50	-4.9318	132.55	724,435	127570	40.45	6.45	-5.45	-8378.939	
10/03/2016	724,435	950.00	156.38	38.81	507.50	-4.9318	132.55	724,935	127666.8	40.46	6.46	-5.46	-8396.91216	
11/03/2016	724,935	950.00	156.49	38.81	507.50	-4.9515	132.65	725,435	127666.8	40.46	6.46	-5.46	-8396.91216	
12/03/2016	725,435	950.00	156.49	38.81	507.50	-4.9515	132.65	725,935	127763.6	40.47	6.47	-5.47	-8414.89484	
13/03/2016	725,935	950.00	156.61	38.80	507.50	-4.9712	132.75	726,436	127763.6	40.47	6.47	-5.47	-8414.89484	
14/03/2016	726,436	950.00	156.61	38.80	507.50	-4.9712	132.75	726,936	127763.6	40.47	6.47	-5.47	-8414.89484	
15/03/2016	726,936	950.00	156.61	38.80	507.50	-4.9712	132.75	727,436	127860.4	40.48	6.48	-5.48	-8432.88704	
16/03/2016	727,436	950.00	156.73	38.80	507.50	-4.9909	132.85	727,936	127860.4	40.48	6.48	-5.48	-8432.88704	
17/03/2016	727,936	950.00	156.73	38.80	507.50	-4.9909	132.85	728,436	127957.2	40.49	6.49	-5.49	-8450.88876	
18/03/2016	728,436	950.00	156.85	38.79	507.50	-5.0107	132.95	728,936	127957.2	40.49	6.49	-5.49	-8450.88876	
19/03/2016	728,936	950.00	156.85	38.79	507.50	-5.0107	132.95	729,437	127957.2	40.49	6.49	-5.49	-8450.88876	
20/03/2016	729,437	950.00	156.85	38.79	507.50	-5.0107	132.95	729,937	128054	40.5	6.5	-5.5	-8468.9	
21/03/2016	729,937	950.00	156.97	38.79	507.50	-5.0305	133.05	730,437	128054	40.5	6.5	-5.5	-8468.9	
22/03/2016	730,437	950.00	156.97	38.79	507.50	-5.0305	133.05	730,937	128156.26	40.51	6.51	-5.51	-8486.92076	
23/03/2016	730,937	950.00	157.09	38.78	507.50	-5.0504	133.16	731,437	128156.26	40.51	6.51	-5.51	-8486.92076	
24/03/2016	731,437	950.00	157.09	38.78	507.50	-5.0504	133.16	731,938	128156.26	40.51	6.51	-5.51	-8486.92076	
25/03/2016	731,938	950.00	157.09	38.78	507.50	-5.0504	133.16	732,438	128258.52	40.52	6.52	-5.52	-8504.95104	
26/03/2016	732,438	950.00	157.22	38.78	507.50	-5.0703	133.26	732,938	128258.52	40.52	6.52	-5.52	-8504.95104	
27/03/2016	732,938	950.00	157.22	38.78	507.50	-5.0703	133.26	733,438	128258.52	40.52	6.52	-5.52	-8504.95104	
28/03/2016	733,438	950.00	157.22	38.78	507.50	-5.0703	133.26	733,938	128360.78	40.53	6.53	-5.53	-8522.99084	
29/03/2016	733,938	950.00	157.35	38.77	507.50	-5.0903	133.37	734,438	128360.78	40.53	6.53	-5.53	-8522.99084	
30/03/2016	734,438	950.00	157.35	38.77	507.50	-5.0903	133.37	734,939	128463.04	40.54	6.54	-5.54	-8541.04016	
31/03/2016	734,939	950.00	157.47	38.77	507.50	-5.1103	133.47	735,439	128463.04	40.54	6.54	-5.54	-8541.04016	
01/04/2016	735,439	-	158.44	0.00	507.50	-5.1103	208.93	734,876	128463.04	40.54	6.54	-5.54	-8541.04016	
02/04/2016	734,876	-	158.44	0.00	507.50	-5.1103	208.93	734,312	128360.78	40.53	6.53	-5.53	-8522.99084	
03/04/2016	734,312	-	158.31	0.00	507.50	-5.0903	208.77	733,749	128360.78	40.53	6.53	-5.53	-8522.99084	
04/04/2016	733,749	-	158.31	0.00	507.50	-5.0903	208.77	733,186	128258.52	40.52	6.52	-5.52	-8504.95104	
05/04/2016	733,186	-	158.19	0.00	507.50	-5.0703	208.60	732,623	128258.52	40.52	6.52	-5.52	-8504.95104	
06/04/2016	732,623	-	158.19	0.00	507.50	-5.0703	208.60	732,060	128156.26	40.51	6.51	-5.51	-8486.92076	
07/04/2016	732,060	-	158.06	0.00	507.50	-5.0504	208.43	731,498	128156.26	40.51	6.51	-5.51	-8486.92076	
08/04/2016	731,498	-	158.06	0.00	507.50	-5.0504	208.43	730,935	128156.26	40.51	6.51	-5.51	-8486.92076	
09/04/2016	730,935	-	158.06	0.00	507.50	-5.0504	208.43	730,372	128054	40.5	6.5	-5.5	-8468.9	
10/04/2016	730,372	-	157.93	0.00	507.50	-5.0305	208.27	729,809	128054	40.5	6.5	-5.5	-8468.9	
11/04/2016	729,809	-	157.93	0.00	507.50	-5.0305	208.27	729,246	127957.2	40.49	6.49	-5.49	-8450.88876	
12/04/2016	729,246	-	157.81	0.00	507.50	-5.0107	208.11	728,683	127957.2	40.49	6.49	-5.49	-8450.88876	
13/04/2016	728,683	-	157.81	0.00	507.50	-5.0107	208.11	728,120	127860.4	40.48	6.48	-5.48	-8432.88704	
14/04/2016	728,120	-	157.69	0.00	507.50	-4.9909	207.95	727,558	127860.4	40.48	6.48	-5.48	-8432.88704	
15/04/2016	727,558	-	157.69	0.00	507.50	-4.9909	207.95	726,995	127763.6	40.47	6.47	-5.47	-8414.89484	
16/04/2016	726,995	-	157.58	0.00	507.50	-4.9712	207.79	726,432	127763.6	40.47	6.47	-5.47	-8414.89484	
17/04/2016	726,432	-	157.58	0.00	507.50	-4.9712	207.79	725,869	127763.6	40.47	6.47	-5.47	-8414.89484	
18/04/2016	725,869	-	157.58	0.00	507.50	-4.9712	207.79	725,307	127666.8	40.46	6.46	-5.46	-8396.91216	
19/04/2016	725,307	-	157.46	0.00	507.50	-4.9515	207.64	724,744	127666.8	40.46	6.46	-5.46	-8396.91216	
20/04/2016	724,744	-	157.46	0.00	507.50	-4.9515	207.64	724,181	127570	40.45	6.45	-5.45	-8378.939	
21/04/2016	724,181	-	157.34	0.00	507.50	-4.9318	207.48	723,619	127570	40.45	6.45	-5.45	-8378.939	
22/04/2016	723,619	-	157.34	0.00	507.50	-4.9318	207.48	723,056	127473.2	40.44	6.44	-5.44	-8360.97536	
23/04/2016	723,056	-	157.22	0.00	507.50	-4.9122	207.32	722,494	127473.2	40.44	6.44	-5.44	-8360.97536	
24/04/2016	722,494	-	157.22	0.00	507.50	-4.9122	207.32	721,931	127376.4	40.43	6.43	-5.43	-8343.02124	
25/04/2016	721,931	-	157.10	0.00	507.50	-4.8927	207.16	721,369	127376.4	40.43	6.43	-5.43	-8343.02124	
26/04/2016	721,369	-	157.10	0.00	507.50	-4.8927	207.16	720,806	127376.4	40.43	6.43	-5.43	-8343.02124	
27/04/2016	720,806	-	157.10	0.00	507.50	-4.8927	207.16	720,244	127279.6	40.42	6.42	-5.42	-8325.07664	
28/04/2016	720,244	-	156.98	0.00	507.50	-4.8732	207.01	719,682	127279.6	40.42	6.42	-5.42	-8325.07664	
29/04/2016	719,682	-	156.98	0.00	507.50	-4.8732	207.01	719,119	127182.8	40.41	6.41	-5.41	-8307.14156	
30/04/2016	719,119	-	156.86	0.00	507.50	-4.8537	206.85	718,557	127182.8	40.41	6.41	-5.41	-8307.14156	
01/05/2016	718,557	-	180.52	0.00	507.50	-4.8537	290.01	717,935	127086	40.4	6.4	-5.4	-8289.216	
02/05/2016	717,935	-	180.38	0.00	507.50	-4.8343	289.79	7						

Date	Inflows				Outflows				Calculations				Groundwater Calcs	
	Volume of Water In Lagoon	Abstraction from R Blackwater	Direct Rainfall Inflow	SW Run-Off	Abstraction from Lagoon to Process	Loss / Make to Lagoon From Groundwater	Evaporative Losses	Net Volume of Water In Lagoon	Lagoon Area	Water Level	Water Depth	Groundwater head	cross-section Area	
	m3	m3/d	m3/d	m3/d	m3/d	m3/d	m3/d	m2	mAOD	m Above Base	m	m2		
14/05/2016	710,477	-	179.56	0.00	507.50	-4.7186	288.47	709,856	126505.2	40.34	6.34	-5.34	-8181.86256	
15/05/2016	709,856	-	179.56	0.00	507.50	-4.7186	288.47	709,235	126408.4	40.33	6.33	-5.33	-8164.00364	
16/05/2016	709,235	-	179.42	0.00	507.50	-4.6995	288.25	708,614	126408.4	40.33	6.33	-5.33	-8164.00364	
17/05/2016	708,614	-	179.42	0.00	507.50	-4.6995	288.25	707,993	126408.4	40.33	6.33	-5.33	-8164.00364	
18/05/2016	707,993	-	179.42	0.00	507.50	-4.6995	288.25	707,372	126311.6	40.32	6.32	-5.32	-8146.15424	
19/05/2016	707,372	-	179.28	0.00	507.50	-4.6805	288.03	706,751	126311.6	40.32	6.32	-5.32	-8146.15424	
20/05/2016	706,751	-	179.28	0.00	507.50	-4.6805	288.03	706,130	126214.8	40.31	6.31	-5.31	-8128.31436	
21/05/2016	706,130	-	179.14	0.00	507.50	-4.6614	287.81	705,509	126214.8	40.31	6.31	-5.31	-8128.31436	
22/05/2016	705,509	-	179.14	0.00	507.50	-4.6614	287.81	704,888	126118	40.3	6.3	-5.3	-8110.484	
23/05/2016	704,888	-	179.01	0.00	507.50	-4.6424	287.58	704,267	126118	40.3	6.3	-5.3	-8110.484	
24/05/2016	704,267	-	179.01	0.00	507.50	-4.6424	287.58	703,647	126021.2	40.29	6.29	-5.29	-8092.66316	
25/05/2016	703,647	-	178.87	0.00	507.50	-4.6235	287.36	703,026	126021.2	40.29	6.29	-5.29	-8092.66316	
26/05/2016	703,026	-	178.73	0.00	507.50	-4.6235	287.36	702,406	125924.4	40.28	6.28	-5.28	-8074.85184	
27/05/2016	702,406	-	178.73	0.00	507.50	-4.6046	287.14	701,785	125924.4	40.28	6.28	-5.28	-8074.85184	
28/05/2016	701,785	-	178.73	0.00	507.50	-4.6046	287.14	701,164	125827.6	40.27	6.27	-5.27	-8057.05004	
29/05/2016	701,164	-	178.59	0.00	507.50	-4.5858	286.92	700,544	125827.6	40.27	6.27	-5.27	-8057.05004	
30/05/2016	700,544	-	178.59	0.00	507.50	-4.5858	286.92	699,924	125730.8	40.26	6.26	-5.26	-8039.25776	
31/05/2016	699,924	-	178.46	0.00	507.50	-4.5669	286.70	699,303	125730.8	40.26	6.26	-5.26	-8039.25776	
01/06/2016	699,303	-	196.98	0.00	507.50	-4.5669	363.70	698,625	125634	40.25	6.25	-5.25	-8021.475	
02/06/2016	698,625	-	196.83	0.00	507.50	-4.5482	363.42	697,946	125634	40.25	6.25	-5.25	-8021.475	
03/06/2016	697,946	-	196.83	0.00	507.50	-4.5482	363.42	697,267	125537.2	40.24	6.24	-5.24	-8003.70176	
04/06/2016	697,267	-	196.67	0.00	507.50	-4.5295	363.14	696,589	125440.4	40.23	6.23	-5.23	-7985.93804	
05/06/2016	696,589	-	196.52	0.00	507.50	-4.5108	362.86	695,910	125440.4	40.23	6.23	-5.23	-7985.93804	
06/06/2016	695,910	-	196.52	0.00	507.50	-4.5108	362.86	695,232	125343.6	40.22	6.22	-5.22	-7968.18384	
07/06/2016	695,232	-	196.37	0.00	507.50	-4.4921	362.58	694,554	125343.6	40.22	6.22	-5.22	-7968.18384	
08/06/2016	694,554	-	196.37	0.00	507.50	-4.4921	362.58	693,876	125246.8	40.21	6.21	-5.21	-7950.43916	
09/06/2016	693,876	-	196.22	0.00	507.50	-4.4736	362.30	693,198	125246.8	40.21	6.21	-5.21	-7950.43916	
10/06/2016	693,198	-	196.22	0.00	507.50	-4.4736	362.30	692,520	125150	40.2	6.2	-5.2	-7932.704	
11/06/2016	692,520	-	196.07	0.00	507.50	-4.4550	362.02	691,842	125150	40.2	6.2	-5.2	-7932.704	
12/06/2016	691,842	-	196.07	0.00	507.50	-4.4550	362.02	691,164	125053.2	40.19	6.19	-5.19	-7914.97836	
13/06/2016	691,164	-	195.92	0.00	507.50	-4.4365	361.74	690,486	125053.2	40.19	6.19	-5.19	-7914.97836	
14/06/2016	690,486	-	195.92	0.00	507.50	-4.4365	361.74	689,808	124956.4	40.18	6.18	-5.18	-7897.26224	
15/06/2016	689,808	-	195.77	0.00	507.50	-4.4180	361.46	689,131	124956.4	40.18	6.18	-5.18	-7897.26224	
16/06/2016	689,131	-	195.77	0.00	507.50	-4.4180	361.46	688,453	124859.6	40.17	6.17	-5.17	-7879.55564	
17/06/2016	688,453	-	195.61	0.00	507.50	-4.3996	361.18	687,775	124762.8	40.16	6.16	-5.16	-7861.85856	
18/06/2016	687,775	-	195.46	0.00	507.50	-4.3813	360.90	687,098	124762.8	40.16	6.16	-5.16	-7861.85856	
19/06/2016	687,098	-	195.46	0.00	507.50	-4.3813	360.90	686,421	124666	40.15	6.15	-5.15	-7844.171	
20/06/2016	686,421	-	195.31	0.00	507.50	-4.3629	360.62	685,744	124666	40.15	6.15	-5.15	-7844.171	
21/06/2016	685,744	-	195.31	0.00	507.50	-4.3629	360.62	685,066	124569.2	40.14	6.14	-5.14	-7826.49296	
22/06/2016	685,066	-	195.16	0.00	507.50	-4.3446	360.34	684,389	124569.2	40.14	6.14	-5.14	-7826.49296	
23/06/2016	684,389	-	195.16	0.00	507.50	-4.3446	360.34	683,712	124472.4	40.13	6.13	-5.13	-7808.82444	
24/06/2016	683,712	-	195.01	0.00	507.50	-4.3264	360.06	683,036	124472.4	40.13	6.13	-5.13	-7808.82444	
25/06/2016	683,036	-	195.01	0.00	507.50	-4.3264	360.06	682,359	124375.6	40.12	6.12	-5.12	-7791.16544	
26/06/2016	682,359	-	194.86	0.00	507.50	-4.3082	359.78	681,682	124375.6	40.12	6.12	-5.12	-7791.16544	
27/06/2016	681,682	-	194.86	0.00	507.50	-4.3082	359.78	681,005	124278.8	40.11	6.11	-5.11	-7773.51596	
28/06/2016	681,005	-	194.70	0.00	507.50	-4.2900	359.50	680,329	124182	40.1	6.1	-5.1	-7755.876	
29/06/2016	680,329	-	194.55	0.00	507.50	-4.2719	359.22	679,652	124182	40.1	6.1	-5.1	-7755.876	
30/06/2016	679,652	-	194.55	0.00	507.50	-4.2719	359.22	678,976	124085.2	40.09	6.09	-5.09	-7738.24556	
01/07/2016	678,976	-	220.15	0.00	507.50	-4.2539	467.30	678,217	124085.2	40.09	6.09	-5.09	-7738.24556	
02/07/2016	678,217	-	220.15	0.00	507.50	-4.2539	467.30	677,458	123988.4	40.08	6.08	-5.08	-7720.62464	
03/07/2016	677,458	-	219.98	0.00	507.50	-4.2358	466.94	676,699	123988.4	40.08	6.08	-5.08	-7720.62464	
04/07/2016	676,699	-	219.98	0.00	507.50	-4.2358	466.94	675,940	123891.6	40.07	6.07	-5.07	-7703.01324	
05/07/2016	675,940	-	219.81	0.00	507.50	-4.2179	466.58	675,182	123794.8	40.06	6.06	-5.06	-7685.41136	
06/07/2016	675,182	-	219.64	0.00	507.50	-4.1999	466.21	674,424	123794.8	40.06	6.06	-5.06	-7685.41136	
07/07/2016	674,424	-	219.64	0.00	507.50	-4.1999	466.21	673,665	123698	40.05	6.05	-5.05	-7667.819	
08/07/2016	673,665	-	219.46	0.00	507.50	-4.1820	465.85	672,907	123601.2	40.04	6.04	-5.04	-7650.23616	
09/07/2016	672,907	-	219.29	0.00	507.50	-4.1642	465.48	672,150	123601.2	40.04	6.04	-5.04	-7650.23616	
10/07/2016	672,150	-	219.29	0.00	507.50	-4.1642	465.48	671,392	123504.4	40.03	6.03	-5.03	-7632.66284	
11/07/2016	671,392	-	219.12	0.00	507.50	-4.1464	465.12	670,634	123504.4	40.03	6.03	-5.03	-7632.66284	
12/07/2016	670,634	-	219.12	0.00	507.50	-4.1464	465.12	669,876	123407.6	40.02	6.02	-5.02	-7615.09904	
13/07/2016	669,876	-	218.95	0.00	507.50	-4.1286	464.75	669,119	123310.8	40.01	6.01	-5.01	-7597.54476	
14/07/2016	669,119	-	218.78	0.00	507.50	-4.1109	464.39	668,362	123310.8	40.01	6.01	-5.01	-7597.54476	
15/07/2016	668,362	-	218.78	0.00	507.50	-4.1109	464.39	667,605	123214	40	6	-5	-7580	
16/07/2016	667,605	-	218.61	0.00	507.50	-4.0932	464.02	666,848	123214	40	6	-5	-7580	
17/07/2016	666,848	-	218.45	0.00	507.50	-4.0759	463.68	666,090	123123.64	39.99	5.99	-4.99	-7563.00368	
18/07/2016	666,090	-	218.45	0.00	507.50	-4.0759	463.68	665,334	123123.64	39.99	5.99	-4.99	-7563.00368	
19/07/2016	665,334	-	218.45	0.00	507.50	-4.0759	463.68	664,577	123123.64	39.99	5.99	-4.99	-7563.00368	
20/07/2016	664,577	-	218.45	0.00	507.50	-4.0759	463.68	663,820	123123.64	39.99	5.99	-4.99	-7563.00368	
21/07/2016	663,820	-	218.45	0.00	507.50	-4.0759	463.68	663,063	123123.64	39.99	5.99	-4.99	-7563.00368	
22/07/2016	663,063	-	218.45	0.00	507.50	-4.0759	463.68	662,306	123123.64	39.99	5.99	-4.99	-7563.00368	
23/07/2016	662,306	-	218.45	0.00	507.50	-4.0759	463.68	661,550	123123.64	39.99	5.99	-4.99	-7563.00368	
24/07/2016	661,550	-	218.45	0.00	507.50	-4.0759	463.68	660,793	123033.28	39.98	5.98	-4.98	-7546.01472	
25/07/2016	660,793	-	218.28	0.00	507.50	-4.0585	463.34	660,036	123033.28	39.98	5.98	-4.98	-7546.01472	
26/07/2016	660,036	-	218.28	0.00	507.50	-4.0585	463.34	659,280	122942.92	39.97	5.97	-4.97	-7529.03312	
27/07/2016	659,280	-	218.12	0.00	507.50	-4.0413	463.00	658,523	122852.56	39.96	5.96	-4.96	-7512.05888	
28/07/2016	658,523	-	217.96	0.00	507.50	-4.0241	462.66	657,767	122852.56	39.96	5.96	-4.96	-7512.05888	
29/07/2016	657,767	-	217.96	0.00	507.50	-4.0241	462.66	657,011	12					

Date	Inflows				Outflows				Calculations				Groundwater Calcs	
	Volume of Water In Lagoon	Abstraction from R Blackwater	Direct Rainfall Inflow	SW Run-Off	Abstraction from Lagoon to Process	Loss / Make to Lagoon From Groundwater	Evaporative Losses	Net Volume of Water In Lagoon	Lagoon Area	Water Level	Water Depth	Groundwater head	cross-section Area	
	m3	m3/d	m3/d	m3/d	m3/d	m3/d	m3/d	m2	mAOD	m Above Base	m	m2		
08/08/2016	650,537	-	236.73	0.00	507.50	-3.9216	433.83	649,828	122220.04	39.89	5.89	-4.89	-7393.44528	
09/08/2016	649,828	-	236.55	0.00	507.50	-3.9046	433.51	649,120	122220.04	39.89	5.89	-4.89	-7393.44528	
10/08/2016	649,120	-	236.55	0.00	507.50	-3.9046	433.51	648,411	122129.68	39.88	5.88	-4.88	-7376.52992	
11/08/2016	648,411	-	236.38	0.00	507.50	-3.8877	433.19	647,703	122129.68	39.88	5.88	-4.88	-7376.52992	
12/08/2016	647,703	-	236.38	0.00	507.50	-3.8877	433.19	646,995	122039.32	39.87	5.87	-4.87	-7359.62192	
13/08/2016	646,995	-	236.21	0.00	507.50	-3.8709	432.87	646,287	121948.96	39.86	5.86	-4.86	-7342.72128	
14/08/2016	646,287	-	236.03	0.00	507.50	-3.8540	432.55	645,579	121948.96	39.86	5.86	-4.86	-7342.72128	
15/08/2016	645,579	-	236.03	0.00	507.50	-3.8540	432.55	644,871	121858.6	39.85	5.85	-4.85	-7325.828	
16/08/2016	644,871	-	235.86	0.00	507.50	-3.8373	432.23	644,163	121858.6	39.85	5.85	-4.85	-7325.828	
17/08/2016	644,163	-	235.86	0.00	507.50	-3.8373	432.23	643,456	121768.24	39.84	5.84	-4.84	-7308.94208	
18/08/2016	643,456	-	235.68	0.00	507.50	-3.8205	431.91	642,748	121768.24	39.84	5.84	-4.84	-7308.94208	
19/08/2016	642,748	-	235.68	0.00	507.50	-3.8205	431.91	642,041	121677.88	39.83	5.83	-4.83	-7292.06352	
20/08/2016	642,041	-	235.51	0.00	507.50	-3.8038	431.59	641,333	121587.52	39.82	5.82	-4.82	-7275.19232	
21/08/2016	641,333	-	235.33	0.00	507.50	-3.7872	431.27	640,626	121587.52	39.82	5.82	-4.82	-7275.19232	
22/08/2016	640,626	-	235.33	0.00	507.50	-3.7872	431.27	639,919	121497.16	39.81	5.81	-4.81	-7258.32848	
23/08/2016	639,919	-	235.16	0.00	507.50	-3.7706	430.95	639,212	121497.16	39.81	5.81	-4.81	-7258.32848	
24/08/2016	639,212	-	235.16	0.00	507.50	-3.7706	430.95	638,505	121406.8	39.8	5.8	-4.8	-7241.472	
25/08/2016	638,505	-	234.98	0.00	507.50	-3.7540	430.63	637,798	121316.44	39.79	5.79	-4.79	-7224.62288	
26/08/2016	637,798	-	234.81	0.00	507.50	-3.7374	430.31	637,091	121316.44	39.79	5.79	-4.79	-7224.62288	
27/08/2016	637,091	-	234.81	0.00	507.50	-3.7374	430.31	636,384	121226.08	39.78	5.78	-4.78	-7207.78112	
28/08/2016	636,384	-	234.63	0.00	507.50	-3.7209	429.99	635,678	121226.08	39.78	5.78	-4.78	-7207.78112	
29/08/2016	635,678	-	234.63	0.00	507.50	-3.7209	429.99	634,971	121135.72	39.77	5.77	-4.77	-7190.94672	
30/08/2016	634,971	-	234.46	0.00	507.50	-3.7043	429.67	634,265	121135.72	39.77	5.77	-4.77	-7190.94672	
31/08/2016	634,265	-	234.46	0.00	507.50	-3.7043	429.67	633,558	121045.36	39.76	5.76	-4.76	-7174.11968	
01/09/2016	633,558	-	197.71	0.00	507.50	-3.6881	310.44	632,934	120955	39.75	5.75	-4.75	-7157.3	
02/09/2016	632,934	-	197.56	0.00	507.50	-3.6717	310.21	632,311	120955	39.75	5.75	-4.75	-7157.3	
03/09/2016	632,311	-	197.56	0.00	507.50	-3.6717	310.21	631,687	120864.64	39.74	5.74	-4.74	-7140.48768	
04/09/2016	631,687	-	197.41	0.00	507.50	-3.6554	309.98	631,063	120864.64	39.74	5.74	-4.74	-7140.48768	
05/09/2016	631,063	-	197.41	0.00	507.50	-3.6554	309.98	630,439	120774.28	39.73	5.73	-4.73	-7123.68272	
06/09/2016	630,439	-	197.26	0.00	507.50	-3.6391	309.74	629,816	120774.28	39.73	5.73	-4.73	-7123.68272	
07/09/2016	629,816	-	197.26	0.00	507.50	-3.6391	309.74	629,192	120683.92	39.72	5.72	-4.72	-7106.88512	
08/09/2016	629,192	-	197.12	0.00	507.50	-3.6228	309.51	628,569	120683.92	39.72	5.72	-4.72	-7106.88512	
09/09/2016	628,569	-	197.12	0.00	507.50	-3.6228	309.51	627,945	120593.56	39.71	5.71	-4.71	-7090.09488	
10/09/2016	627,945	-	196.97	0.00	507.50	-3.6066	309.28	627,322	120593.56	39.71	5.71	-4.71	-7090.09488	
11/09/2016	627,322	-	196.97	0.00	507.50	-3.6066	309.28	626,698	120503.2	39.7	5.7	-4.7	-7073.312	
12/09/2016	626,698	-	196.82	0.00	507.50	-3.5904	309.05	626,075	120503.2	39.7	5.7	-4.7	-7073.312	
13/09/2016	626,075	-	196.82	0.00	507.50	-3.5904	309.05	625,452	120412.84	39.69	5.69	-4.69	-7056.53648	
14/09/2016	625,452	-	196.67	0.00	507.50	-3.5743	308.82	624,828	120412.84	39.69	5.69	-4.69	-7056.53648	
15/09/2016	624,828	-	196.67	0.00	507.50	-3.5743	308.82	624,205	120322.48	39.68	5.68	-4.68	-7039.76832	
16/09/2016	624,205	-	196.53	0.00	507.50	-3.5582	308.59	623,582	120322.48	39.68	5.68	-4.68	-7039.76832	
17/09/2016	623,582	-	196.53	0.00	507.50	-3.5582	308.59	622,959	120232.12	39.67	5.67	-4.67	-7023.00752	
18/09/2016	622,959	-	196.38	0.00	507.50	-3.5421	308.35	622,336	120232.12	39.67	5.67	-4.67	-7023.00752	
19/09/2016	622,336	-	196.38	0.00	507.50	-3.5421	308.35	621,713	120141.76	39.66	5.66	-4.66	-7006.25408	
20/09/2016	621,713	-	196.23	0.00	507.50	-3.5261	308.12	621,090	120141.76	39.66	5.66	-4.66	-7006.25408	
21/09/2016	621,090	-	196.23	0.00	507.50	-3.5261	308.12	620,467	120051.4	39.65	5.65	-4.65	-6989.508	
22/09/2016	620,467	-	196.08	0.00	507.50	-3.5101	307.89	619,844	120051.4	39.65	5.65	-4.65	-6989.508	
23/09/2016	619,844	-	196.08	0.00	507.50	-3.5101	307.89	619,221	119961.04	39.64	5.64	-4.64	-6972.76928	
24/09/2016	619,221	-	195.94	0.00	507.50	-3.4942	307.66	618,599	119961.04	39.64	5.64	-4.64	-6972.76928	
25/09/2016	618,599	-	195.94	0.00	507.50	-3.4942	307.66	617,976	119870.68	39.63	5.63	-4.63	-6956.03792	
26/09/2016	617,976	-	195.79	0.00	507.50	-3.4783	307.43	617,353	119870.68	39.63	5.63	-4.63	-6956.03792	
27/09/2016	617,353	-	195.79	0.00	507.50	-3.4783	307.43	616,731	119780.32	39.62	5.62	-4.62	-6939.31392	
28/09/2016	616,731	-	195.64	0.00	507.50	-3.4624	307.20	616,108	119689.96	39.61	5.61	-4.61	-6922.59728	
29/09/2016	616,108	-	195.49	0.00	507.50	-3.4466	306.96	615,486	119689.96	39.61	5.61	-4.61	-6922.59728	
30/09/2016	615,486	-	195.49	0.00	507.50	-3.4466	306.96	614,863	119599.6	39.6	5.6	-4.6	-6905.888	
01/10/2016	614,863	-	192.90	222.56	507.50	-3.4308	253.67	614,514	119599.6	39.6	5.6	-4.6	-6905.888	
02/10/2016	614,514	-	192.90	222.56	507.50	-3.4308	253.67	614,165	119599.6	39.6	5.6	-4.6	-6905.888	
03/10/2016	614,165	-	192.90	222.56	507.50	-3.4308	253.67	613,816	119509.24	39.59	5.59	-4.59	-6889.18608	
04/10/2016	613,816	-	192.90	222.56	507.50	-3.4308	253.67	613,467	119509.24	39.59	5.59	-4.59	-6889.18608	
05/10/2016	613,467	-	192.76	222.59	507.50	-3.4151	253.47	613,118	119509.24	39.59	5.59	-4.59	-6889.18608	
06/10/2016	613,118	-	192.76	222.59	507.50	-3.4151	253.47	612,769	119418.88	39.58	5.58	-4.58	-6872.49152	
07/10/2016	612,769	-	192.76	222.59	507.50	-3.4151	253.47	612,420	119418.88	39.58	5.58	-4.58	-6872.49152	
08/10/2016	612,420	-	192.61	222.62	507.50	-3.3994	253.28	612,071	119418.88	39.58	5.58	-4.58	-6872.49152	
09/10/2016	612,071	-	192.61	222.62	507.50	-3.3994	253.28	611,722	119418.88	39.58	5.58	-4.58	-6872.49152	
10/10/2016	611,722	-	192.61	222.62	507.50	-3.3994	253.28	611,373	119328.52	39.57	5.57	-4.57	-6855.80432	
11/10/2016	611,373	-	192.61	222.62	507.50	-3.3994	253.28	611,024	119328.52	39.57	5.57	-4.57	-6855.80432	
12/10/2016	611,024	-	192.47	222.64	507.50	-3.3838	253.09	610,675	119328.52	39.57	5.57	-4.57	-6855.80432	
13/10/2016	610,675	-	192.47	222.64	507.50	-3.3838	253.09	610,326	119238.16	39.56	5.56	-4.56	-6839.12448	
14/10/2016	610,326	-	192.47	222.64	507.50	-3.3838	253.09	609,977	119238.16	39.56	5.56	-4.56	-6839.12448	
15/10/2016	609,977	-	192.32	222.67	507.50	-3.3681	252.90	609,629	119147.8	39.55	5.55	-4.55	-6822.452	
16/10/2016	609,629	-	192.32	222.67	507.50	-3.3681	252.90	609,280	119147.8	39.55	5.55	-4.55	-6822.452	
17/10/2016	609,280	-	192.32	222.67	507.50	-3.3681	252.90	608,931	119147.8	39.55	5.55	-4.55	-6822.452	
18/10/2016	608,931	-	192.17	222.70	507.50	-3.3526	252.71	608,582	119147.8	39.55	5.55	-4.55	-6822.452	
19/10/2016	608,582	-	192.17	222.70	507.50	-3.3526	252.71	608,234	119147.8	39.55	5.55	-4.55	-6822.452	
20/10/2016	608,234	-	192.17	222.70	507.50	-3.3526	252.71	607,885	119147.8	39.55	5.55	-4.55	-6822.452	
21/10/2016	607,885	-	192.17	222.70	507.50	-3.3526	252.71	607,536	119057.44	39.54	5.54	-4.54	-6805.78688	
22/10/2016	607,536	-	192.03	222.73	507.50	-3.3370	252.52	607,188	119057.44	39.54	5.54	-4.54		

Date	Inflows				Outflows				Calculations				Groundwater Calcs	
	Volume of Water In Lagoon	Abstraction from R Blackwater	Direct Rainfall Inflow	SW Run-Off	Abstraction from Lagoon to Process	Loss / Make to Lagoon From Groundwater	Evaporative Losses	Net Volume of Water In Lagoon	Lagoon Area	Water Level	Water Depth	Groundwater head	cross-section Area	
	m3	m3/d	m3/d	m3/d	m3/d	m3/d	m3/d	m2	mAOD	m Above Base	m	m2		
02/11/2016	605,094	950.00	233.79	542.67	507.50	-3.3061	172.59	606,137	118967.08	39.53	5.53	-4.53	-6789.12912	
03/11/2016	606,137	950.00	233.97	542.60	507.50	-3.3215	172.72	607,180	119057.44	39.54	5.54	-4.54	-6805.78688	
04/11/2016	607,180	950.00	234.15	542.54	507.50	-3.3370	172.85	608,223	119147.8	39.55	5.55	-4.55	-6822.452	
05/11/2016	608,223	950.00	234.32	542.47	507.50	-3.3526	172.99	609,266	119238.16	39.56	5.56	-4.56	-6839.12448	
06/11/2016	609,266	950.00	234.50	542.40	507.50	-3.3681	173.12	610,309	119328.52	39.57	5.57	-4.57	-6855.80432	
07/11/2016	610,309	950.00	234.68	542.34	507.50	-3.3838	173.25	611,352	119328.52	39.57	5.57	-4.57	-6855.80432	
08/11/2016	611,352	950.00	234.68	542.34	507.50	-3.3838	173.25	612,395	119418.88	39.58	5.58	-4.58	-6872.49152	
09/11/2016	612,395	950.00	234.86	542.27	507.50	-3.3994	173.38	613,438	119509.24	39.59	5.59	-4.59	-6889.18608	
10/11/2016	613,438	950.00	235.03	542.21	507.50	-3.4151	173.51	614,481	119599.6	39.6	5.6	-4.6	-6905.888	
11/11/2016	614,481	950.00	235.21	542.14	507.50	-3.4308	173.64	615,523	119689.96	39.61	5.61	-4.61	-6922.59728	
12/11/2016	615,523	950.00	235.39	542.07	507.50	-3.4466	173.77	616,566	119780.32	39.62	5.62	-4.62	-6939.31392	
13/11/2016	616,566	950.00	235.57	542.01	507.50	-3.4624	173.90	617,609	119870.68	39.63	5.63	-4.63	-6956.0392	
14/11/2016	617,609	950.00	235.75	541.94	507.50	-3.4783	174.04	618,652	119961.04	39.64	5.64	-4.64	-6972.76928	
15/11/2016	618,652	950.00	235.92	541.87	507.50	-3.4942	174.17	619,694	119961.04	39.64	5.64	-4.64	-6972.76928	
16/11/2016	619,694	950.00	235.92	541.87	507.50	-3.4942	174.17	620,737	120051.4	39.65	5.65	-4.65	-6989.508	
17/11/2016	620,737	950.00	236.10	541.81	507.50	-3.5101	174.30	621,779	120141.76	39.66	5.66	-4.66	-7006.25408	
18/11/2016	621,779	950.00	236.28	541.74	507.50	-3.5261	174.43	622,822	120232.12	39.67	5.67	-4.67	-7023.0052	
19/11/2016	622,822	950.00	236.46	541.68	507.50	-3.5421	174.56	623,864	120322.48	39.68	5.68	-4.68	-7039.76832	
20/11/2016	623,864	950.00	236.63	541.61	507.50	-3.5582	174.69	624,907	120412.84	39.69	5.69	-4.69	-7056.53648	
21/11/2016	624,907	950.00	236.81	541.54	507.50	-3.5743	174.82	625,949	120503.2	39.7	5.7	-4.7	-7073.312	
22/11/2016	625,949	950.00	236.99	541.48	507.50	-3.5904	174.95	626,992	120593.56	39.71	5.71	-4.71	-7090.09488	
23/11/2016	626,992	950.00	237.17	541.41	507.50	-3.6066	175.08	628,034	120593.56	39.71	5.71	-4.71	-7090.09488	
24/11/2016	628,034	950.00	237.17	541.41	507.50	-3.6066	175.08	629,077	120683.92	39.72	5.72	-4.72	-7106.88512	
25/11/2016	629,077	950.00	237.35	541.34	507.50	-3.6228	175.22	630,119	120774.28	39.73	5.73	-4.73	-7123.68272	
26/11/2016	630,119	950.00	237.52	541.28	507.50	-3.6391	175.35	631,161	120864.64	39.74	5.74	-4.74	-7140.48768	
27/11/2016	631,161	950.00	237.70	541.21	507.50	-3.6554	175.48	632,204	120955	39.75	5.75	-4.75	-7157.3	
28/11/2016	632,204	950.00	237.88	541.15	507.50	-3.6717	175.61	633,246	121045.36	39.76	5.76	-4.76	-7174.11968	
29/11/2016	633,246	950.00	238.06	541.08	507.50	-3.6881	175.74	634,288	121135.72	39.77	5.77	-4.77	-7190.94672	
30/11/2016	634,288	950.00	238.23	541.01	507.50	-3.7045	175.87	635,330	121135.72	39.77	5.77	-4.77	-7190.94672	
01/12/2016	635,330	950.00	199.29	470.39	507.50	-3.7045	114.91	636,324	121226.08	39.78	5.78	-4.78	-7207.78112	
02/12/2016	636,324	950.00	199.44	470.34	507.50	-3.7209	114.99	637,317	121316.44	39.79	5.79	-4.79	-7224.62288	
03/12/2016	637,317	950.00	199.59	470.28	507.50	-3.7374	115.08	638,311	121406.8	39.8	5.8	-4.8	-7241.472	
04/12/2016	638,311	950.00	199.73	470.22	507.50	-3.7540	115.16	639,304	121497.16	39.81	5.81	-4.81	-7258.32848	
05/12/2016	639,304	950.00	199.88	470.16	507.50	-3.7706	115.25	640,298	121587.52	39.82	5.82	-4.82	-7275.19232	
06/12/2016	640,298	950.00	200.03	470.11	507.50	-3.7872	115.34	641,291	121587.52	39.82	5.82	-4.82	-7275.19232	
07/12/2016	641,291	950.00	200.03	470.11	507.50	-3.7872	115.34	642,285	121677.88	39.83	5.83	-4.83	-7292.06352	
08/12/2016	642,285	950.00	200.18	470.05	507.50	-3.8038	115.42	643,278	121768.24	39.84	5.84	-4.84	-7308.94208	
09/12/2016	643,278	950.00	200.33	469.99	507.50	-3.8205	115.51	644,272	121858.6	39.85	5.85	-4.85	-7325.828	
10/12/2016	644,272	950.00	200.48	469.93	507.50	-3.8373	115.59	645,265	121948.96	39.86	5.86	-4.86	-7342.72128	
11/12/2016	645,265	950.00	200.63	469.87	507.50	-3.8540	115.68	646,259	121948.96	39.86	5.86	-4.86	-7342.72128	
12/12/2016	646,259	950.00	200.63	469.87	507.50	-3.8540	115.68	647,252	122039.32	39.87	5.87	-4.87	-7359.62192	
13/12/2016	647,252	950.00	200.77	469.82	507.50	-3.8709	115.76	648,246	122129.68	39.88	5.88	-4.88	-7376.52992	
14/12/2016	648,246	950.00	200.92	469.76	507.50	-3.8877	115.85	649,239	122220.04	39.89	5.89	-4.89	-7393.44528	
15/12/2016	649,239	950.00	201.07	469.70	507.50	-3.9046	115.94	650,233	122310.4	39.9	5.9	-4.9	-7410.368	
16/12/2016	650,233	950.00	201.22	469.64	507.50	-3.9216	116.02	651,226	122310.4	39.9	5.9	-4.9	-7410.368	
17/12/2016	651,226	950.00	201.22	469.64	507.50	-3.9216	116.02	652,220	122400.76	39.91	5.91	-4.91	-7427.29808	
18/12/2016	652,220	950.00	201.37	469.59	507.50	-3.9385	116.11	653,213	122491.12	39.92	5.92	-4.92	-7444.23552	
19/12/2016	653,213	950.00	201.52	469.53	507.50	-3.9556	116.19	654,206	122581.48	39.93	5.93	-4.93	-7461.18032	
20/12/2016	654,206	950.00	201.67	469.47	507.50	-3.9726	116.28	655,200	122671.84	39.94	5.94	-4.94	-7478.13248	
21/12/2016	655,200	950.00	201.81	469.41	507.50	-3.9897	116.36	656,193	122762.2	39.95	5.95	-4.95	-7495.092	
22/12/2016	656,193	950.00	201.96	469.36	507.50	-4.0069	116.45	657,186	122762.2	39.95	5.95	-4.95	-7495.092	
23/12/2016	657,186	950.00	201.96	469.36	507.50	-4.0069	116.45	658,180	122852.56	39.96	5.96	-4.96	-7512.05888	
24/12/2016	658,180	950.00	202.11	469.30	507.50	-4.0241	116.54	659,173	122942.92	39.97	5.97	-4.97	-7529.03312	
25/12/2016	659,173	950.00	202.26	469.24	507.50	-4.0413	116.62	660,167	123033.28	39.98	5.98	-4.98	-7546.01472	
26/12/2016	660,167	950.00	202.41	469.18	507.50	-4.0585	116.71	661,160	123123.64	39.99	5.99	-4.99	-7563.00368	
27/12/2016	661,160	950.00	202.56	469.13	507.50	-4.0759	116.79	662,153	123123.64	39.99	5.99	-4.99	-7563.00368	
28/12/2016	662,153	950.00	202.56	469.13	507.50	-4.0759	116.79	663,146	123123.64	39.99	5.99	-4.99	-7563.00368	
29/12/2016	663,146	950.00	202.56	469.13	507.50	-4.0759	116.79	664,140	123123.64	39.99	5.99	-4.99	-7563.00368	
30/12/2016	664,140	950.00	202.56	469.13	507.50	-4.0759	116.79	665,133	123123.64	39.99	5.99	-4.99	-7563.00368	
31/12/2016	665,133	950.00	202.56	469.13	507.50	-4.0759	116.79	666,126	123123.64	39.99	5.99	-4.99	-7563.00368	
01/01/2017	666,126	950.00	194.61	439.35	507.50	-4.0759	87.24	667,112	123214	40	6	-5	-7580	
02/01/2017	667,112	950.00	194.76	439.29	507.50	-4.0932	87.30	668,097	123310.8	40.01	6.01	-5.01	-7597.54476	
03/01/2017	668,097	950.00	194.91	439.24	507.50	-4.1109	87.37	669,082	123310.8	40.01	6.01	-5.01	-7597.54476	
04/01/2017	669,082	950.00	194.91	439.24	507.50	-4.1109	87.37	670,067	123407.6	40.02	6.02	-5.02	-7615.09904	
05/01/2017	670,067	950.00	195.06	439.18	507.50	-4.1286	87.44	671,052	123504.4	40.03	6.03	-5.03	-7632.66284	
06/01/2017	671,052	950.00	195.22	439.12	507.50	-4.1464	87.51	672,037	123601.2	40.04	6.04	-5.04	-7650.23616	
07/01/2017	672,037	950.00	195.37	439.06	507.50	-4.1642	87.58	673,023	123698	40.05	6.05	-5.05	-7667.819	
08/01/2017	673,023	950.00	195.52	439.01	507.50	-4.1820	87.65	674,008	123698	40.05	6.05	-5.05	-7667.819	
09/01/2017	674,008	950.00	195.52	439.01	507.50	-4.1820	87.65	674,993	123794.8	40.06	6.06	-5.06	-7685.41136	
10/01/2017	674,993	950.00	195.68	438.95	507.50	-4.1999	87.71	675,978	123891.6	40.07	6.07	-5.07	-7703.01324	
11/01/2017	675,978	950.00	195.83	438.89	507.50	-4.2179	87.78	676,963	123988.4	40.08	6.08	-5.08	-7720.62464	
12/01/2017	676,963	950.00	195.98	438.83	507.50	-4.2358	87.85	677,949	124085.2	40.09	6.09	-5.09	-7738.24556	
13/01/2017	677,949	950.00	196.13	438.77	507.50	-4.2539	87.92	678,934						

Date	Inflows				Outflows				Calculations				Groundwater Calcs	
	Volume of Water In Lagoon	Abstraction from R Blackwater	Direct Rainfall Inflow	SW Run-Off	Abstraction from Lagoon to Process	Loss / Make to Lagoon From Groundwater	Evaporative Losses	Net Volume of Water In Lagoon	Lagoon Area	Water Level	Water Depth	Groundwater head	cross-section Area	
	m3	m3/d	m3/d	m3/d	m3/d	m3/d	m3/d	m2	mAOD	m Above Base	m	m2		
27/01/2017	691,743	950.00	197.82	438.14	507.50	-4.4550	88.67	692,728	125150	40.2	6.2	-5.2	-7932.704	
28/01/2017	692,728	950.00	197.82	438.14	507.50	-4.4550	88.67	693,713	125246.8	40.21	6.21	-5.21	-7950.43916	
29/01/2017	693,713	950.00	197.97	438.08	507.50	-4.4736	88.74	694,699	125343.6	40.22	6.22	-5.22	-7968.18384	
30/01/2017	694,699	950.00	198.12	438.02	507.50	-4.4921	88.81	695,684	125440.4	40.23	6.23	-5.23	-7985.93804	
31/01/2017	695,684	950.00	198.28	437.97	507.50	-4.5108	88.88	696,669	125537.2	40.24	6.24	-5.24	-8003.70176	
01/02/2017	696,669	950.00	170.37	281.47	507.50	-4.5295	94.40	697,465	125537.2	40.24	6.24	-5.24	-8003.70176	
02/02/2017	697,465	950.00	170.37	281.47	507.50	-4.5295	94.40	698,260	125634	40.25	6.25	-5.25	-8021.475	
03/02/2017	698,260	950.00	170.50	281.43	507.50	-4.5482	94.48	699,055	125634	40.25	6.25	-5.25	-8021.475	
04/02/2017	699,055	950.00	170.50	281.43	507.50	-4.5482	94.48	699,851	125730.8	40.26	6.26	-5.26	-8039.25776	
05/02/2017	699,851	950.00	170.63	281.40	507.50	-4.5669	94.55	700,646	125827.6	40.27	6.27	-5.27	-8057.05004	
06/02/2017	700,646	950.00	170.77	281.36	507.50	-4.5858	94.62	701,442	125827.6	40.27	6.27	-5.27	-8057.05004	
07/02/2017	701,442	950.00	170.77	281.36	507.50	-4.5858	94.62	702,237	125924.4	40.28	6.28	-5.28	-8074.85184	
08/02/2017	702,237	950.00	170.90	281.32	507.50	-4.6046	94.69	703,033	126021.2	40.29	6.29	-5.29	-8092.66316	
09/02/2017	703,033	950.00	171.03	281.28	507.50	-4.6235	94.77	703,828	126021.2	40.29	6.29	-5.29	-8092.66316	
10/02/2017	703,828	950.00	171.03	281.28	507.50	-4.6235	94.77	704,623	126118	40.3	6.3	-5.3	-8110.484	
11/02/2017	704,623	950.00	171.16	281.25	507.50	-4.6424	94.84	705,419	126118	40.3	6.3	-5.3	-8110.484	
12/02/2017	705,419	950.00	171.16	281.25	507.50	-4.6424	94.84	706,214	126214.8	40.31	6.31	-5.31	-8128.31436	
13/02/2017	706,214	950.00	171.29	281.21	507.50	-4.6614	94.91	707,010	126311.6	40.32	6.32	-5.32	-8146.15424	
14/02/2017	707,010	950.00	171.42	281.17	507.50	-4.6805	94.99	707,805	126311.6	40.32	6.32	-5.32	-8146.15424	
15/02/2017	707,805	950.00	171.42	281.17	507.50	-4.6805	94.99	708,601	126408.4	40.33	6.33	-5.33	-8164.00364	
16/02/2017	708,601	950.00	171.55	281.14	507.50	-4.6995	95.06	709,396	126505.2	40.34	6.34	-5.34	-8181.86256	
17/02/2017	709,396	950.00	171.69	281.10	507.50	-4.7186	95.13	710,191	126505.2	40.34	6.34	-5.34	-8181.86256	
18/02/2017	710,191	950.00	171.82	281.06	507.50	-4.7378	95.20	710,987	126602	40.35	6.35	-5.35	-8199.731	
19/02/2017	710,987	950.00	171.82	281.06	507.50	-4.7378	95.20	711,782	126698.8	40.36	6.36	-5.36	-8217.60896	
20/02/2017	711,782	950.00	171.95	281.02	507.50	-4.7570	95.28	712,578	126698.8	40.36	6.36	-5.36	-8217.60896	
21/02/2017	712,578	950.00	171.95	281.02	507.50	-4.7570	95.28	713,373	126795.6	40.37	6.37	-5.37	-8235.49644	
22/02/2017	713,373	950.00	172.08	280.99	507.50	-4.7763	95.35	714,169	126795.6	40.37	6.37	-5.37	-8235.49644	
23/02/2017	714,169	950.00	172.08	280.99	507.50	-4.7763	95.35	714,964	126892.4	40.38	6.38	-5.38	-8253.39344	
24/02/2017	714,964	950.00	172.21	280.95	507.50	-4.7956	95.42	715,759	126989.2	40.39	6.39	-5.39	-8271.29996	
25/02/2017	715,759	950.00	172.34	280.91	507.50	-4.8149	95.49	716,555	126989.2	40.39	6.39	-5.39	-8271.29996	
26/02/2017	716,555	950.00	172.34	280.91	507.50	-4.8149	95.49	717,350	127086	40.4	6.4	-5.4	-8289.216	
27/02/2017	717,350	950.00	172.47	280.88	507.50	-4.8343	95.57	718,146	127182.8	40.41	6.41	-5.41	-8307.14156	
28/02/2017	718,146	950.00	172.61	280.84	507.50	-4.8537	95.64	718,941	127182.8	40.41	6.41	-5.41	-8307.14156	
01/03/2017	718,941	950.00	155.90	38.83	507.50	-4.8537	132.14	719,442	127279.6	40.42	6.42	-5.42	-8325.07664	
02/03/2017	719,442	950.00	156.02	38.83	507.50	-4.8732	132.24	719,942	127279.6	40.42	6.42	-5.42	-8325.07664	
03/03/2017	719,942	950.00	156.02	38.83	507.50	-4.8732	132.24	720,442	127279.6	40.42	6.42	-5.42	-8325.07664	
04/03/2017	720,442	950.00	156.02	38.83	507.50	-4.8732	132.24	720,942	127376.4	40.43	6.43	-5.43	-8343.02124	
05/03/2017	720,942	950.00	156.14	38.82	507.50	-4.8927	132.34	721,442	127376.4	40.43	6.43	-5.43	-8343.02124	
06/03/2017	721,442	950.00	156.14	38.82	507.50	-4.8927	132.34	721,943	127376.4	40.43	6.43	-5.43	-8343.02124	
07/03/2017	721,943	950.00	156.14	38.82	507.50	-4.8927	132.34	722,443	127473.2	40.44	6.44	-5.44	-8360.97536	
08/03/2017	722,443	950.00	156.26	38.82	507.50	-4.9122	132.45	722,943	127473.2	40.44	6.44	-5.44	-8360.97536	
09/03/2017	722,943	950.00	156.26	38.82	507.50	-4.9122	132.45	723,443	127570	40.45	6.45	-5.45	-8378.939	
10/03/2017	723,443	950.00	156.38	38.81	507.50	-4.9318	132.55	723,944	127570	40.45	6.45	-5.45	-8378.939	
11/03/2017	723,944	950.00	156.38	38.81	507.50	-4.9318	132.55	724,444	127570	40.45	6.45	-5.45	-8378.939	
12/03/2017	724,444	950.00	156.38	38.81	507.50	-4.9318	132.55	724,944	127666.8	40.46	6.46	-5.46	-8396.91216	
13/03/2017	724,944	950.00	156.49	38.81	507.50	-4.9515	132.65	725,444	127666.8	40.46	6.46	-5.46	-8396.91216	
14/03/2017	725,444	950.00	156.49	38.81	507.50	-4.9515	132.65	725,944	127763.6	40.47	6.47	-5.47	-8414.89484	
15/03/2017	725,944	950.00	156.61	38.80	507.50	-4.9712	132.75	726,445	127763.6	40.47	6.47	-5.47	-8414.89484	
16/03/2017	726,445	950.00	156.61	38.80	507.50	-4.9712	132.75	726,945	127763.6	40.47	6.47	-5.47	-8414.89484	
17/03/2017	726,945	950.00	156.61	38.80	507.50	-4.9712	132.75	727,445	127860.4	40.48	6.48	-5.48	-8432.88704	
18/03/2017	727,445	950.00	156.73	38.80	507.50	-4.9909	132.85	727,945	127860.4	40.48	6.48	-5.48	-8432.88704	
19/03/2017	727,945	950.00	156.73	38.80	507.50	-4.9909	132.85	728,445	127957.2	40.49	6.49	-5.49	-8450.88876	
20/03/2017	728,445	950.00	156.85	38.79	507.50	-5.0107	132.95	728,946	127957.2	40.49	6.49	-5.49	-8450.88876	
21/03/2017	728,946	950.00	156.85	38.79	507.50	-5.0107	132.95	729,446	127957.2	40.49	6.49	-5.49	-8450.88876	
22/03/2017	729,446	950.00	156.85	38.79	507.50	-5.0107	132.95	729,946	128054	40.5	6.5	-5.5	-8468.9	
23/03/2017	729,946	950.00	156.97	38.79	507.50	-5.0305	133.05	730,446	128054	40.5	6.5	-5.5	-8468.9	
24/03/2017	730,446	950.00	156.97	38.79	507.50	-5.0305	133.05	730,946	128156.26	40.51	6.51	-5.51	-8486.92076	
25/03/2017	730,946	950.00	157.09	38.78	507.50	-5.0504	133.16	731,446	128156.26	40.51	6.51	-5.51	-8486.92076	
26/03/2017	731,446	950.00	157.09	38.78	507.50	-5.0504	133.16	731,947	128156.26	40.51	6.51	-5.51	-8486.92076	
27/03/2017	731,947	950.00	157.09	38.78	507.50	-5.0504	133.16	732,447	128258.52	40.52	6.52	-5.52	-8504.95104	
28/03/2017	732,447	950.00	157.22	38.78	507.50	-5.0703	133.26	732,947	128258.52	40.52	6.52	-5.52	-8504.95104	
29/03/2017	732,947	950.00	157.22	38.78	507.50	-5.0703	133.26	733,447	128258.52	40.52	6.52	-5.52	-8504.95104	
30/03/2017	733,447	950.00	157.22	38.78	507.50	-5.0703	133.26	733,947	128360.78	40.53	6.53	-5.53	-8522.99084	
31/03/2017	733,947	950.00	157.35	38.77	507.50	-5.0903	133.37	734,447	128360.78	40.53	6.53	-5.53	-8522.99084	
01/04/2017	734,447	-	158.31	0.00	507.50	-5.0903	208.77	733,884	128360.78	40.53	6.53	-5.53	-8522.99084	
02/04/2017	733,884	-	158.31	0.00	507.50	-5.0903	208.77	733,321	128258.52	40.52	6.52	-5.52	-8504.95104	
03/04/2017	733,321	-	158.19	0.00	507.50	-5.0703	208.60	732,758	128258.52	40.52	6.52	-5.52	-8504.95104	
04/04/2017	732,758	-	158.19	0.00	507.50	-5.0703	208.60	732,195	128258.52	40.52	6.52	-5.52	-8504.95104	
05/04/2017	732,195	-	158.19	0.00	507.50	-5.0703	208.60	731,632	128156.26	40.51	6.51	-5.51	-8486.92076	
06/04/2017	731,632	-	158.06	0.00	507.50	-5.0504	208.43	731,069	128156.26	40.51	6.51	-5.51	-8486.92076	
07/04/2017	731,069	-	158.06	0.00	507.50	-5.0504	208.43	730,507	128054	40.5	6.5	-5.5	-8468.9	
08/04/2017	730,507	-	157.93	0.00	507.50	-5.0305	208.27	729,944	128054	40.5	6.5	-5.5	-8468.9	
09/04/2017	729,944	-	157.93	0.00	507.50	-5.0305	208.27	729,381	127957.2	40.49	6.49	-5.49	-8450.88876	
10/04/2017	729,381	-	157.81	0.00	507.50	-5.0107	208.11	728,818	127957.2	40.49				

Date	Inflows				Outflows				Calculations				Groundwater Calcs	
	Volume of Water In Lagoon	Abstraction from R Blackwater	Direct Rainfall Inflow	SW Run-Off	Abstraction from Lagoon to Process	Loss / Make to Lagoon From Groundwater	Evaporative Losses	Net Volume of Water In Lagoon	Lagoon Area	Water Level	Water Depth	Groundwater head	cross-section Area	
	m3	m3/d	m3/d	m3/d	m3/d	m3/d	m3/d	m2	mAOD	m Above Base	m	m2		
23/04/2017	722,066	-	157.22	0.00	507.50	-4.9122	207.32	721,504	127376.4	40.43	6.43	-5.43	-8343.02124	
24/04/2017	721,504	-	157.10	0.00	507.50	-4.8927	207.16	720,941	127376.4	40.43	6.43	-5.43	-8343.02124	
25/04/2017	720,941	-	157.10	0.00	507.50	-4.8927	207.16	720,379	127279.6	40.42	6.42	-5.42	-8325.07664	
26/04/2017	720,379	-	156.98	0.00	507.50	-4.8732	207.01	719,816	127279.6	40.42	6.42	-5.42	-8325.07664	
27/04/2017	719,816	-	156.98	0.00	507.50	-4.8732	207.01	719,254	127182.8	40.41	6.41	-5.41	-8307.14156	
28/04/2017	719,254	-	156.86	0.00	507.50	-4.8537	206.85	718,692	127182.8	40.41	6.41	-5.41	-8307.14156	
29/04/2017	718,692	-	156.86	0.00	507.50	-4.8537	206.85	718,129	127182.8	40.41	6.41	-5.41	-8307.14156	
30/04/2017	718,129	-	156.86	0.00	507.50	-4.8537	206.85	717,567	127086	40.4	6.4	-5.4	-8289.216	
01/05/2017	717,567	-	180.38	0.00	507.50	-4.8343	289.79	716,945	127086	40.4	6.4	-5.4	-8289.216	
02/05/2017	716,945	-	180.38	0.00	507.50	-4.8343	289.79	716,323	126989.2	40.39	6.39	-5.39	-8271.29996	
03/05/2017	716,323	-	180.24	0.00	507.50	-4.8149	289.57	715,702	126989.2	40.39	6.39	-5.39	-8271.29996	
04/05/2017	715,702	-	180.24	0.00	507.50	-4.8149	289.57	715,080	126892.4	40.38	6.38	-5.38	-8253.39344	
05/05/2017	715,080	-	180.11	0.00	507.50	-4.7956	289.35	714,459	126892.4	40.38	6.38	-5.38	-8253.39344	
06/05/2017	714,459	-	180.11	0.00	507.50	-4.7956	289.35	713,837	126795.6	40.37	6.37	-5.37	-8235.49644	
07/05/2017	713,837	-	179.97	0.00	507.50	-4.7763	289.13	713,216	126795.6	40.37	6.37	-5.37	-8235.49644	
08/05/2017	713,216	-	179.97	0.00	507.50	-4.7763	289.13	712,594	126698.8	40.36	6.36	-5.36	-8217.60896	
09/05/2017	712,594	-	179.83	0.00	507.50	-4.7570	288.91	711,973	126698.8	40.36	6.36	-5.36	-8217.60896	
10/05/2017	711,973	-	179.83	0.00	507.50	-4.7570	288.91	711,351	126602	40.35	6.35	-5.35	-8199.731	
11/05/2017	711,351	-	179.69	0.00	507.50	-4.7378	288.69	710,730	126602	40.35	6.35	-5.35	-8199.731	
12/05/2017	710,730	-	179.69	0.00	507.50	-4.7378	288.69	710,109	126505.2	40.34	6.34	-5.34	-8181.86256	
13/05/2017	710,109	-	179.56	0.00	507.50	-4.7186	288.47	709,488	126505.2	40.34	6.34	-5.34	-8181.86256	
14/05/2017	709,488	-	179.56	0.00	507.50	-4.7186	288.47	708,867	126408.4	40.33	6.33	-5.33	-8164.00364	
15/05/2017	708,867	-	179.42	0.00	507.50	-4.6995	288.25	708,246	126408.4	40.33	6.33	-5.33	-8164.00364	
16/05/2017	708,246	-	179.42	0.00	507.50	-4.6995	288.25	707,625	126311.6	40.32	6.32	-5.32	-8146.15424	
17/05/2017	707,625	-	179.28	0.00	507.50	-4.6805	288.03	707,004	126311.6	40.32	6.32	-5.32	-8146.15424	
18/05/2017	707,004	-	179.28	0.00	507.50	-4.6805	288.03	706,383	126214.8	40.31	6.31	-5.31	-8128.31436	
19/05/2017	706,383	-	179.14	0.00	507.50	-4.6614	287.81	705,762	126214.8	40.31	6.31	-5.31	-8128.31436	
20/05/2017	705,762	-	179.14	0.00	507.50	-4.6614	287.81	705,141	126118	40.3	6.3	-5.3	-8110.484	
21/05/2017	705,141	-	179.01	0.00	507.50	-4.6424	287.58	704,520	126118	40.3	6.3	-5.3	-8110.484	
22/05/2017	704,520	-	179.01	0.00	507.50	-4.6424	287.58	703,900	126021.2	40.29	6.29	-5.29	-8092.66316	
23/05/2017	703,900	-	178.87	0.00	507.50	-4.6235	287.36	703,279	126021.2	40.29	6.29	-5.29	-8092.66316	
24/05/2017	703,279	-	178.73	0.00	507.50	-4.6046	287.14	702,658	125924.4	40.28	6.28	-5.28	-8074.85184	
25/05/2017	702,658	-	178.73	0.00	507.50	-4.6046	287.14	702,038	125924.4	40.28	6.28	-5.28	-8074.85184	
26/05/2017	702,038	-	178.59	0.00	507.50	-4.5858	286.92	701,417	125827.6	40.27	6.27	-5.27	-8057.05004	
27/05/2017	701,417	-	178.59	0.00	507.50	-4.5858	286.92	700,797	125827.6	40.27	6.27	-5.27	-8057.05004	
28/05/2017	700,797	-	178.46	0.00	507.50	-4.5669	286.70	700,177	125730.8	40.26	6.26	-5.26	-8039.25776	
29/05/2017	700,177	-	178.46	0.00	507.50	-4.5669	286.70	699,556	125730.8	40.26	6.26	-5.26	-8039.25776	
30/05/2017	699,556	-	178.32	0.00	507.50	-4.5482	286.48	698,936	125634	40.25	6.25	-5.25	-8021.475	
31/05/2017	698,936	-	196.83	0.00	507.50	-4.5295	363.14	698,316	125634	40.25	6.25	-5.25	-8021.475	
01/06/2017	698,316	-	196.67	0.00	507.50	-4.5108	362.86	697,697	125537.2	40.24	6.24	-5.24	-8003.70176	
02/06/2017	697,697	-	196.52	0.00	507.50	-4.4921	362.58	697,077	125537.2	40.24	6.24	-5.24	-8003.70176	
03/06/2017	696,959	-	196.37	0.00	507.50	-4.4736	362.30	696,458	125440.4	40.23	6.23	-5.23	-7985.93804	
04/06/2017	696,280	-	196.22	0.00	507.50	-4.4550	362.02	695,839	125440.4	40.23	6.23	-5.23	-7985.93804	
05/06/2017	695,602	-	196.07	0.00	507.50	-4.4365	361.74	695,220	125343.6	40.22	6.22	-5.22	-7968.18384	
06/06/2017	694,923	-	195.92	0.00	507.50	-4.4180	361.46	694,601	125343.6	40.22	6.22	-5.22	-7968.18384	
07/06/2017	694,245	-	195.77	0.00	507.50	-4.4000	361.18	693,982	125246.8	40.21	6.21	-5.21	-7950.43916	
08/06/2017	693,567	-	195.61	0.00	507.50	-4.3813	360.90	693,363	125246.8	40.21	6.21	-5.21	-7950.43916	
09/06/2017	692,889	-	195.46	0.00	507.50	-4.3629	360.62	692,744	125150	40.2	6.2	-5.2	-7932.704	
10/06/2017	692,211	-	195.31	0.00	507.50	-4.3446	360.34	692,125	125053.2	40.19	6.19	-5.19	-7914.97836	
11/06/2017	691,533	-	195.16	0.00	507.50	-4.3264	360.06	691,506	125053.2	40.19	6.19	-5.19	-7914.97836	
12/06/2017	690,855	-	195.01	0.00	507.50	-4.3082	359.78	690,887	124956.4	40.18	6.18	-5.18	-7897.26224	
13/06/2017	690,177	-	194.86	0.00	507.50	-4.2900	359.50	690,318	124956.4	40.18	6.18	-5.18	-7897.26224	
14/06/2017	689,500	-	194.70	0.00	507.50	-4.2719	359.22	689,749	124859.6	40.17	6.17	-5.17	-7879.55564	
15/06/2017	688,822	-	194.55	0.00	507.50	-4.2539	358.94	689,180	124859.6	40.17	6.17	-5.17	-7879.55564	
16/06/2017	688,145	-	194.40	0.00	507.50	-4.2358	358.66	688,611	124762.8	40.16	6.16	-5.16	-7861.85856	
17/06/2017	687,467	-	194.25	0.00	507.50	-4.2179	358.38	688,042	124762.8	40.16	6.16	-5.16	-7861.85856	
18/06/2017	686,790	-	194.10	0.00	507.50	-4.1999	358.10	687,473	124666	40.15	6.15	-5.15	-7844.171	
19/06/2017	686,113	-	193.95	0.00	507.50	-4.1820	357.82	686,904	124666	40.15	6.15	-5.15	-7844.171	
20/06/2017	685,435	-	193.80	0.00	507.50	-4.1642	357.54	686,335	124569.2	40.14	6.14	-5.14	-7826.49296	
21/06/2017	684,758	-	193.65	0.00	507.50	-4.1464	357.26	685,766	124569.2	40.14	6.14	-5.14	-7826.49296	
22/06/2017	684,081	-	193.50	0.00	507.50	-4.1286	356.98	685,197	124472.4	40.13	6.13	-5.13	-7808.82444	
23/06/2017	683,404	-	193.35	0.00	507.50	-4.1109	356.70	684,628	124472.4	40.13	6.13	-5.13	-7808.82444	
24/06/2017	682,728	-	193.20	0.00	507.50	-4.0932	356.42	684,059	124375.6	40.12	6.12	-5.12	-7791.16544	
25/06/2017	682,051	-	193.05	0.00	507.50	-4.0754	356.14	683,490	124375.6	40.12	6.12	-5.12	-7791.16544	
26/06/2017	681,374	-	192.90	0.00	507.50	-4.0577	355.86	682,921	124278.8	40.11	6.11	-5.11	-7773.51596	
27/06/2017	680,697	-	192.75	0.00	507.50	-4.0400	355.58	682,352	124278.8	40.11	6.11	-5.11	-7773.51596	
28/06/2017	680,021	-	192.60	0.00	507.50	-4.0223	355.30	681,783	124182	40.1	6.1	-5.1	-7755.876	
29/06/2017	679,344	-	192.45	0.00	507.50	-4.0046	355.02	681,214	124182	40.1	6.1	-5.1	-7755.876	
30/06/2017	678,668	-	192.30	0.00	507.50	-3.9869	354.74	680,645	124085.2	40.09	6.09	-5.09	-7738.24556	
01/07/2017	677,992	-	192.15	0.00	507.50	-3.9692	354.46	680,076	124085.2	40.09	6.09	-5.09	-7738.24556	
02/07/2017	677,233	-	192.00	0.00	507.50	-3.9515	354.18	679,507	123988.4	40.08	6.08	-5.08	-7720.62464	
03/07/2017	676,474	-	191.85	0.00	507.50	-3.9338	353.90	678,938	123988.4	40.07	6.07	-5.07	-7703.01324	
04/07/2017	675,716	-	191.70	0.00	507.50	-3.9161	353.62	678,369	123891.6	40.07	6.07	-5.07	-7703.01324	
05/07/2017	674,957	-	191.55	0.00	507.50	-3.8984	353.34	677,800	123794.8	40.06	6.06	-5.06	-7685.41136	
06/07/2017	674,199	-	191.40	0.00	507.50	-3.8807	353.06	677,231	123698	40.05	6.05	-5.05	-7667.819	
07/07/2017	673,441	-	191.25	0.00	507.50	-3.8630	352.78	676,662	123698	40.05	6.05	-5.05	-7667.819	
08/07/2017	672,683	-	191.10	0.00	507.50	-3.8453	352.50	676,093						

Date	Inflows				Outflows				Calculations				Groundwater Calcs	
	Volume of Water In Lagoon	Abstraction from R Blackwater	Direct Rainfall Inflow	SW Run-Off	Abstraction from Lagoon to Process	Loss / Make to Lagoon From Groundwater	Evaporative Losses	Net Volume of Water In Lagoon	Lagoon Area	Water Level	Water Depth	Groundwater head	cross-section Area	
	m3	m3/d	m3/d	m3/d	m3/d	m3/d	m3/d	m2	mAOD	m Above Base	m	m2		
18/07/2017	665,109	-	218.45	0.00	507.50	-4.0759	463.68	664,353	123123.64	39.99	5.99	-4.99	-7563.00368	
19/07/2017	664,353	-	218.45	0.00	507.50	-4.0759	463.68	663,596	123123.64	39.99	5.99	-4.99	-7563.00368	
20/07/2017	663,596	-	218.45	0.00	507.50	-4.0759	463.68	662,839	123123.64	39.99	5.99	-4.99	-7563.00368	
21/07/2017	662,839	-	218.45	0.00	507.50	-4.0759	463.68	662,082	123123.64	39.99	5.99	-4.99	-7563.00368	
22/07/2017	662,082	-	218.45	0.00	507.50	-4.0759	463.68	661,325	123123.64	39.99	5.99	-4.99	-7563.00368	
23/07/2017	661,325	-	218.45	0.00	507.50	-4.0759	463.68	660,568	123033.28	39.98	5.98	-4.98	-7546.01472	
24/07/2017	660,568	-	218.28	0.00	507.50	-4.0585	463.34	659,812	122942.92	39.97	5.97	-4.97	-7529.03312	
25/07/2017	659,812	-	218.12	0.00	507.50	-4.0413	463.00	659,055	122942.92	39.97	5.97	-4.97	-7529.03312	
26/07/2017	659,055	-	218.12	0.00	507.50	-4.0413	463.00	658,299	122852.56	39.96	5.96	-4.96	-7512.05888	
27/07/2017	658,299	-	217.96	0.00	507.50	-4.0241	462.66	657,543	122852.56	39.96	5.96	-4.96	-7512.05888	
28/07/2017	657,543	-	217.96	0.00	507.50	-4.0241	462.66	656,787	122762.2	39.95	5.95	-4.95	-7495.092	
29/07/2017	656,787	-	217.80	0.00	507.50	-4.0069	462.32	656,031	122671.84	39.94	5.94	-4.94	-7478.13248	
30/07/2017	656,031	-	217.64	0.00	507.50	-3.9897	461.98	655,275	122671.84	39.94	5.94	-4.94	-7478.13248	
31/07/2017	655,275	-	217.64	0.00	507.50	-3.9897	461.98	654,519	122581.48	39.93	5.93	-4.93	-7461.18032	
01/08/2017	654,519	-	237.25	0.00	507.50	-3.9726	434.79	653,810	122581.48	39.93	5.93	-4.93	-7461.18032	
02/08/2017	653,810	-	237.25	0.00	507.50	-3.9726	434.79	653,101	122491.12	39.92	5.92	-4.92	-7444.23552	
03/08/2017	653,101	-	237.08	0.00	507.50	-3.9556	434.47	652,392	122400.76	39.91	5.91	-4.91	-7427.29808	
04/08/2017	652,392	-	236.90	0.00	507.50	-3.9385	434.15	651,683	122400.76	39.91	5.91	-4.91	-7427.29808	
05/08/2017	651,683	-	236.90	0.00	507.50	-3.9385	434.15	650,975	122310.4	39.9	5.9	-4.9	-7410.368	
06/08/2017	650,975	-	236.73	0.00	507.50	-3.9216	433.83	650,266	122310.4	39.9	5.9	-4.9	-7410.368	
07/08/2017	650,266	-	236.73	0.00	507.50	-3.9216	433.83	649,558	122220.04	39.89	5.89	-4.89	-7393.44528	
08/08/2017	649,558	-	236.55	0.00	507.50	-3.9046	433.51	648,849	122220.04	39.89	5.89	-4.89	-7393.44528	
09/08/2017	648,849	-	236.55	0.00	507.50	-3.9046	433.51	648,141	122129.68	39.88	5.88	-4.88	-7376.52992	
10/08/2017	648,141	-	236.38	0.00	507.50	-3.8877	433.19	647,433	122039.32	39.87	5.87	-4.87	-7359.62192	
11/08/2017	647,433	-	236.21	0.00	507.50	-3.8709	432.87	646,725	122039.32	39.87	5.87	-4.87	-7359.62192	
12/08/2017	646,725	-	236.21	0.00	507.50	-3.8709	432.87	646,017	121948.96	39.86	5.86	-4.86	-7342.72128	
13/08/2017	646,017	-	236.03	0.00	507.50	-3.8540	432.55	645,309	121948.96	39.86	5.86	-4.86	-7342.72128	
14/08/2017	645,309	-	236.03	0.00	507.50	-3.8540	432.55	644,601	121858.6	39.85	5.85	-4.85	-7325.828	
15/08/2017	644,601	-	235.86	0.00	507.50	-3.8373	432.23	643,893	121768.24	39.84	5.84	-4.84	-7308.94208	
16/08/2017	643,893	-	235.68	0.00	507.50	-3.8205	431.91	643,186	121768.24	39.84	5.84	-4.84	-7308.94208	
17/08/2017	643,186	-	235.68	0.00	507.50	-3.8205	431.91	642,478	121677.88	39.83	5.83	-4.83	-7292.06352	
18/08/2017	642,478	-	235.51	0.00	507.50	-3.8038	431.59	641,771	121677.88	39.83	5.83	-4.83	-7292.06352	
19/08/2017	641,771	-	235.51	0.00	507.50	-3.8038	431.59	641,063	121587.52	39.82	5.82	-4.82	-7275.19232	
20/08/2017	641,063	-	235.33	0.00	507.50	-3.7872	431.27	640,356	121587.52	39.82	5.82	-4.82	-7275.19232	
21/08/2017	640,356	-	235.33	0.00	507.50	-3.7872	431.27	639,649	121497.16	39.81	5.81	-4.81	-7258.32848	
22/08/2017	639,649	-	235.16	0.00	507.50	-3.7706	430.95	638,942	121406.8	39.8	5.8	-4.8	-7241.472	
23/08/2017	638,942	-	234.98	0.00	507.50	-3.7540	430.63	638,235	121406.8	39.8	5.8	-4.8	-7241.472	
24/08/2017	638,235	-	234.98	0.00	507.50	-3.7540	430.63	637,528	121316.44	39.79	5.79	-4.79	-7224.62288	
25/08/2017	637,528	-	234.81	0.00	507.50	-3.7374	430.31	636,821	121316.44	39.79	5.79	-4.79	-7224.62288	
26/08/2017	636,821	-	234.81	0.00	507.50	-3.7374	430.31	636,115	121226.08	39.78	5.78	-4.78	-7207.78112	
27/08/2017	636,115	-	234.63	0.00	507.50	-3.7209	429.99	635,408	121135.72	39.77	5.77	-4.77	-7190.94672	
28/08/2017	635,408	-	234.46	0.00	507.50	-3.7045	429.67	634,702	121135.72	39.77	5.77	-4.77	-7190.94672	
29/08/2017	634,702	-	234.46	0.00	507.50	-3.7045	429.67	633,995	121045.36	39.76	5.76	-4.76	-7174.11968	
30/08/2017	633,995	-	234.28	0.00	507.50	-3.6881	429.34	633,289	121045.36	39.76	5.76	-4.76	-7174.11968	
31/08/2017	633,289	-	234.28	0.00	507.50	-3.6881	429.34	632,583	120955	39.75	5.75	-4.75	-7157.3	
01/09/2017	632,583	-	197.56	0.00	507.50	-3.6717	310.21	631,959	120955	39.75	5.75	-4.75	-7157.3	
02/09/2017	631,959	-	197.56	0.00	507.50	-3.6717	310.21	631,335	120864.64	39.74	5.74	-4.74	-7140.48768	
03/09/2017	631,335	-	197.41	0.00	507.50	-3.6554	309.98	630,711	120864.64	39.74	5.74	-4.74	-7140.48768	
04/09/2017	630,711	-	197.41	0.00	507.50	-3.6554	309.98	630,088	120774.28	39.73	5.73	-4.73	-7123.68272	
05/09/2017	630,088	-	197.26	0.00	507.50	-3.6391	309.74	629,464	120774.28	39.73	5.73	-4.73	-7123.68272	
06/09/2017	629,464	-	197.26	0.00	507.50	-3.6391	309.74	628,840	120683.92	39.72	5.72	-4.72	-7106.88512	
07/09/2017	628,840	-	197.12	0.00	507.50	-3.6228	309.51	628,217	120683.92	39.72	5.72	-4.72	-7106.88512	
08/09/2017	628,217	-	197.12	0.00	507.50	-3.6228	309.51	627,593	120593.56	39.71	5.71	-4.71	-7090.09488	
09/09/2017	627,593	-	196.97	0.00	507.50	-3.6066	309.28	626,970	120593.56	39.71	5.71	-4.71	-7090.09488	
10/09/2017	626,970	-	196.97	0.00	507.50	-3.6066	309.28	626,346	120503.2	39.7	5.7	-4.7	-7073.312	
11/09/2017	626,346	-	196.82	0.00	507.50	-3.5904	309.05	625,723	120412.84	39.69	5.69	-4.69	-7056.53648	
12/09/2017	625,723	-	196.67	0.00	507.50	-3.5743	308.82	625,100	120412.84	39.69	5.69	-4.69	-7056.53648	
13/09/2017	625,100	-	196.67	0.00	507.50	-3.5743	308.82	624,477	120322.48	39.68	5.68	-4.68	-7039.76832	
14/09/2017	624,477	-	196.53	0.00	507.50	-3.5582	308.59	623,854	120322.48	39.68	5.68	-4.68	-7039.76832	
15/09/2017	623,854	-	196.53	0.00	507.50	-3.5582	308.59	623,230	120232.12	39.67	5.67	-4.67	-7023.00752	
16/09/2017	623,230	-	196.38	0.00	507.50	-3.5421	308.35	622,607	120232.12	39.67	5.67	-4.67	-7023.00752	
17/09/2017	622,607	-	196.38	0.00	507.50	-3.5421	308.35	621,984	120141.76	39.66	5.66	-4.66	-7006.25408	
18/09/2017	621,984	-	196.23	0.00	507.50	-3.5261	308.12	621,361	120141.76	39.66	5.66	-4.66	-7006.25408	
19/09/2017	621,361	-	196.23	0.00	507.50	-3.5261	308.12	620,739	120051.4	39.65	5.65	-4.65	-6989.508	
20/09/2017	620,739	-	196.08	0.00	507.50	-3.5101	307.89	620,116	120051.4	39.65	5.65	-4.65	-6989.508	
21/09/2017	620,116	-	196.08	0.00	507.50	-3.5101	307.89	619,493	119961.04	39.64	5.64	-4.64	-6972.76928	
22/09/2017	619,493	-	195.94	0.00	507.50	-3.4942	307.66	618,870	119961.04	39.64	5.64	-4.64	-6972.76928	
23/09/2017	618,870	-	195.94	0.00	507.50	-3.4942	307.66	618,247	119870.68	39.63	5.63	-4.63	-6956.03792	
24/09/2017	618,247	-	195.79	0.00	507.50	-3.4783	307.43	617,625	119870.68	39.63	5.63	-4.63	-6956.03792	
25/09/2017	617,625	-	195.79	0.00	507.50	-3.4783	307.43	617,002	119780.32	39.62	5.62	-4.62	-6939.31392	
26/09/2017	617,002	-	195.64	0.00	507.50	-3.4624	307.20	616,380	119780.32	39.62	5.62	-4.62	-6939.31392	
27/09/2017	616,380	-	195.64	0.00	507.50	-3.4624	307.20	615,757	119689.96	39.61	5.61	-4.61	-6922.59728	
28/09/2017	615,757	-	195.49	0.00	507.50	-3.4466	306.96	615,135	119689.96	39.61	5.61	-4.61	-6922.59728	
29/09/2017	615,135	-	195.49	0.00	507.50	-3.4466	306.96	614,512	119599.6	39.6	5.6	-4.6	-6905.888	
30/09/2017	614,512	-	195.35	0.00	507.50	-3.4308	306.73	613,890	119599.6	39.6	5.6	-4.6	-6905.888	
01/10/2017	613,890	-	192.90	222.56	507.50	-3.4308	253.67	613,541	119509.24	39.59	5.59	-4.59	-6889.18608	
02/10														

Date	Inflows				Outflows				Calculations				Groundwater Calcs	
	Volume of Water In Lagoon	Abstraction from R Blackwater	Direct Rainfall Inflow	SW Run-Off	Abstraction from Lagoon to Process	Loss / Make to Lagoon From Groundwater	Evaporative Losses	Net Volume of Water In Lagoon	Lagoon Area	Water Level	Water Depth	Groundwater head	cross-section Area	
	m3	m3/d	m3/d	m3/d	m3/d	m3/d	m3/d	m2	mAOD	m Above Base	m	m2		
12/10/2017	610,051	-	192.32	222.67	507.50	-3.3681	252.90	609,703	119238.16	39.56	5.56	-4.56	-6839.12448	
13/10/2017	609,703	-	192.32	222.67	507.50	-3.3681	252.90	609,354	119238.16	39.56	5.56	-4.56	-6839.12448	
14/10/2017	609,354	-	192.32	222.67	507.50	-3.3681	252.90	609,005	119238.16	39.56	5.56	-4.56	-6839.12448	
15/10/2017	609,005	-	192.32	222.67	507.50	-3.3681	252.90	608,656	119147.8	39.55	5.55	-4.55	-6822.452	
16/10/2017	608,656	-	192.17	222.70	507.50	-3.3526	252.71	608,308	119147.8	39.55	5.55	-4.55	-6822.452	
17/10/2017	608,308	-	192.17	222.70	507.50	-3.3526	252.71	607,959	119147.8	39.55	5.55	-4.55	-6822.452	
18/10/2017	607,959	-	192.17	222.70	507.50	-3.3526	252.71	607,610	119057.44	39.54	5.54	-4.54	-6805.78688	
19/10/2017	607,610	-	192.03	222.73	507.50	-3.3370	252.52	607,262	119057.44	39.54	5.54	-4.54	-6805.78688	
20/10/2017	607,262	-	192.03	222.73	507.50	-3.3370	252.52	606,913	119057.44	39.54	5.54	-4.54	-6805.78688	
21/10/2017	606,913	-	192.03	222.73	507.50	-3.3370	252.52	606,564	118967.08	39.53	5.53	-4.53	-6789.12912	
22/10/2017	606,564	-	191.88	222.75	507.50	-3.3215	252.32	606,216	118967.08	39.53	5.53	-4.53	-6789.12912	
23/10/2017	606,216	-	191.88	222.75	507.50	-3.3215	252.32	605,867	118967.08	39.53	5.53	-4.53	-6789.12912	
24/10/2017	605,867	-	191.88	222.75	507.50	-3.3215	252.32	605,519	118967.08	39.53	5.53	-4.53	-6789.12912	
25/10/2017	605,519	-	191.88	222.75	507.50	-3.3215	252.32	605,170	118876.72	39.52	5.52	-4.52	-6772.47872	
26/10/2017	605,170	-	191.74	222.78	507.50	-3.3061	252.13	604,822	118876.72	39.52	5.52	-4.52	-6772.47872	
27/10/2017	604,822	-	191.74	222.78	507.50	-3.3061	252.13	604,474	118876.72	39.52	5.52	-4.52	-6772.47872	
28/10/2017	604,474	-	191.74	222.78	507.50	-3.3061	252.13	604,125	118786.36	39.51	5.51	-4.51	-6755.83568	
29/10/2017	604,125	-	191.59	222.81	507.50	-3.2906	251.94	603,777	118786.36	39.51	5.51	-4.51	-6755.83568	
30/10/2017	603,777	-	191.59	222.81	507.50	-3.2906	251.94	603,428	118786.36	39.51	5.51	-4.51	-6755.83568	
31/10/2017	603,428	-	191.59	222.81	507.50	-3.2906	251.94	603,080	118786.36	39.51	5.51	-4.51	-6755.83568	
01/11/2017	603,080	950.00	233.61	542.74	507.50	-3.2906	172.46	604,123	118786.36	39.51	5.51	-4.51	-6755.83568	
02/11/2017	604,123	950.00	233.61	542.74	507.50	-3.2906	172.46	605,166	118876.72	39.52	5.52	-4.52	-6772.47872	
03/11/2017	605,166	950.00	233.79	542.67	507.50	-3.3061	172.59	606,209	118967.08	39.53	5.53	-4.53	-6789.12912	
04/11/2017	606,209	950.00	233.97	542.60	507.50	-3.3215	172.72	607,252	119057.44	39.54	5.54	-4.54	-6805.78688	
05/11/2017	607,252	950.00	234.15	542.54	507.50	-3.3370	172.85	608,295	119147.8	39.55	5.55	-4.55	-6822.452	
06/11/2017	608,295	950.00	234.32	542.47	507.50	-3.3526	172.99	609,338	119238.16	39.56	5.56	-4.56	-6839.12448	
07/11/2017	609,338	950.00	234.50	542.40	507.50	-3.3681	173.12	610,381	119328.52	39.57	5.57	-4.57	-6855.80432	
08/11/2017	610,381	950.00	234.68	542.34	507.50	-3.3838	173.25	611,424	119418.88	39.58	5.58	-4.58	-6872.49152	
09/11/2017	611,424	950.00	234.86	542.27	507.50	-3.3994	173.38	612,467	119418.88	39.58	5.58	-4.58	-6872.49152	
10/11/2017	612,467	950.00	234.86	542.27	507.50	-3.3994	173.38	613,510	119509.24	39.59	5.59	-4.59	-6889.18608	
11/11/2017	613,510	950.00	235.03	542.21	507.50	-3.4151	173.51	614,553	119599.6	39.6	5.6	-4.6	-6905.888	
12/11/2017	614,553	950.00	235.21	542.14	507.50	-3.4308	173.64	615,595	119689.96	39.61	5.61	-4.61	-6922.59728	
13/11/2017	615,595	950.00	235.39	542.07	507.50	-3.4466	173.77	616,638	119780.32	39.62	5.62	-4.62	-6939.31392	
14/11/2017	616,638	950.00	235.57	542.01	507.50	-3.4624	173.90	617,681	119870.68	39.63	5.63	-4.63	-6956.0392	
15/11/2017	617,681	950.00	235.75	541.94	507.50	-3.4783	174.04	618,724	119961.04	39.64	5.64	-4.64	-6972.76928	
16/11/2017	618,724	950.00	235.92	541.87	507.50	-3.4942	174.17	619,766	120051.4	39.65	5.65	-4.65	-6989.508	
17/11/2017	619,766	950.00	236.10	541.81	507.50	-3.5101	174.30	620,809	120051.4	39.65	5.65	-4.65	-6989.508	
18/11/2017	620,809	950.00	236.10	541.81	507.50	-3.5101	174.30	621,851	120141.76	39.66	5.66	-4.66	-7006.25408	
19/11/2017	621,851	950.00	236.28	541.74	507.50	-3.5261	174.43	622,894	120232.12	39.67	5.67	-4.67	-7023.00752	
20/11/2017	622,894	950.00	236.46	541.68	507.50	-3.5421	174.56	623,937	120322.48	39.68	5.68	-4.68	-7039.76832	
21/11/2017	623,937	950.00	236.63	541.61	507.50	-3.5582	174.69	624,979	120412.84	39.69	5.69	-4.69	-7056.53648	
22/11/2017	624,979	950.00	236.81	541.54	507.50	-3.5743	174.82	626,021	120503.2	39.7	5.7	-4.7	-7073.312	
23/11/2017	626,021	950.00	236.99	541.48	507.50	-3.5904	174.95	627,064	120593.56	39.71	5.71	-4.71	-7090.09488	
24/11/2017	627,064	950.00	237.17	541.41	507.50	-3.6066	175.08	628,106	120593.56	39.71	5.71	-4.71	-7090.09488	
25/11/2017	628,106	950.00	237.17	541.41	507.50	-3.6066	175.08	629,149	120683.92	39.72	5.72	-4.72	-7106.88512	
26/11/2017	629,149	950.00	237.35	541.34	507.50	-3.6228	175.22	630,191	120774.28	39.73	5.73	-4.73	-7123.68272	
27/11/2017	630,191	950.00	237.52	541.28	507.50	-3.6391	175.35	631,233	120864.64	39.74	5.74	-4.74	-7140.48768	
28/11/2017	631,233	950.00	237.70	541.21	507.50	-3.6554	175.48	632,276	120955	39.75	5.75	-4.75	-7157.3	
29/11/2017	632,276	950.00	237.88	541.15	507.50	-3.6717	175.61	633,318	121045.36	39.76	5.76	-4.76	-7174.11968	
30/11/2017	633,318	950.00	238.06	541.08	507.50	-3.6881	175.74	634,360	121135.72	39.77	5.77	-4.77	-7190.94672	
01/12/2017	634,360	950.00	199.29	470.39	507.50	-3.7045	114.91	635,354	121135.72	39.77	5.77	-4.77	-7190.94672	
02/12/2017	635,354	950.00	199.29	470.39	507.50	-3.7045	114.91	636,347	121226.08	39.78	5.78	-4.78	-7207.78112	
03/12/2017	636,347	950.00	199.44	470.34	507.50	-3.7209	114.99	637,341	121316.44	39.79	5.79	-4.79	-7224.62288	
04/12/2017	637,341	950.00	199.59	470.28	507.50	-3.7374	115.08	638,334	121406.8	39.8	5.8	-4.8	-7241.472	
05/12/2017	638,334	950.00	199.73	470.22	507.50	-3.7540	115.16	639,328	121497.16	39.81	5.81	-4.81	-7258.32848	
06/12/2017	639,328	950.00	199.88	470.16	507.50	-3.7706	115.25	640,321	121587.52	39.82	5.82	-4.82	-7275.19232	
07/12/2017	640,321	950.00	200.03	470.11	507.50	-3.7872	115.34	641,315	121587.52	39.82	5.82	-4.82	-7275.19232	
08/12/2017	641,315	950.00	200.03	470.11	507.50	-3.7872	115.34	642,308	121677.88	39.83	5.83	-4.83	-7292.06352	
09/12/2017	642,308	950.00	200.18	470.05	507.50	-3.8038	115.42	643,302	121768.24	39.84	5.84	-4.84	-7308.94208	
10/12/2017	643,302	950.00	200.33	469.99	507.50	-3.8205	115.51	644,295	121858.6	39.85	5.85	-4.85	-7325.828	
11/12/2017	644,295	950.00	200.48	469.93	507.50	-3.8373	115.59	645,289	121948.96	39.86	5.86	-4.86	-7342.72128	
12/12/2017	645,289	950.00	200.63	469.87	507.50	-3.8540	115.68	646,282	121948.96	39.86	5.86	-4.86	-7342.72128	
13/12/2017	646,282	950.00	200.63	469.87	507.50	-3.8540	115.68	647,276	122039.32	39.87	5.87	-4.87	-7359.62192	
14/12/2017	647,276	950.00	200.77	469.82	507.50	-3.8709	115.76	648,269	122129.68	39.88	5.88	-4.88	-7376.52992	
15/12/2017	648,269	950.00	200.92	469.76	507.50	-3.8877	115.85	649,263	122220.04	39.89	5.89	-4.89	-7393.44528	
16/12/2017	649,263	950.00	201.07	469.70	507.50	-3.9046	115.94	650,256	122310.4	39.9	5.9	-4.9	-7410.368	
17/12/2017	650,256	950.00	201.22	469.64	507.50	-3.9216	116.02	651,250	122310.4	39.9	5.9	-4.9	-7410.368	
18/12/2017	651,250	950.00	201.22	469.64	507.50	-3.9216	116.02	652,243	122400.76	39.91	5.91	-4.91	-7427.29808	
19/12/2017	652,243	950.00	201.37	469.59	507.50	-3.9385	116.11	653,236	122491.12	39.92	5.92	-4.92	-7444.23552	
20/12/2017	653,236	950.00	201.52	469.53	507.50	-3.9556	116.19	654,230	122581.48	39.93	5.93	-4.93	-7461.18032	
21/12/2017	654,230	950.00	201.67	469.47	507.50	-3.9726	116.28	655,223	122671.84	39.94	5.94	-4.94	-7478.13248	
22/12/2017	655,223	950.00	201.81	469.41	507.50	-3.9897	116.36	656,217	122762.2	39.95	5.95	-4.95	-7495.092	
23/12/2017	656,217	950.00	201.96	469.36	507.50	-4.0069	116.45	657,210	122762.2	39.95	5.95	-4.95	-7495.092	
24/12/2017	65													

Date	Inflows				Outflows				Calculations				Groundwater Calcs	
	Volume of Water In Lagoon	Abstraction from R Blackwater	Direct Rainfall Inflow	SW Run-Off	Abstraction from Lagoon to Process	Loss / Make to Lagoon From Groundwater	Evaporative Losses	Net Volume of Water In Lagoon	Lagoon Area	Water Level	Water Depth	Groundwater head	cross-section Area	
	m3	m3/d	m3/d	m3/d	m3/d	m3/d	m3/d	m2	mAOD	m Above Base	m	m2		
06/01/2018	670,082	950.00	195.06	439.18	507.50	-4.1286	87.44	671,068	123504.4	40.03	6.03	-5.03	-7632.66284	
07/01/2018	671,068	950.00	195.22	439.12	507.50	-4.1464	87.51	672,053	123601.2	40.04	6.04	-5.04	-7650.23616	
08/01/2018	672,053	950.00	195.37	439.06	507.50	-4.1642	87.58	673,038	123698	40.05	6.05	-5.05	-7667.819	
09/01/2018	673,038	950.00	195.52	439.01	507.50	-4.1820	87.65	674,023	123698	40.05	6.05	-5.05	-7667.819	
10/01/2018	674,023	950.00	195.52	439.01	507.50	-4.1820	87.65	675,008	123794.8	40.06	6.06	-5.06	-7685.41136	
11/01/2018	675,008	950.00	195.68	438.95	507.50	-4.1999	87.71	675,994	123891.6	40.07	6.07	-5.07	-7703.01324	
12/01/2018	675,994	950.00	195.83	438.89	507.50	-4.2179	87.78	676,979	123988.4	40.08	6.08	-5.08	-7720.62464	
13/01/2018	676,979	950.00	195.98	438.83	507.50	-4.2358	87.85	677,964	124085.2	40.09	6.09	-5.09	-7738.24556	
14/01/2018	677,964	950.00	196.13	438.77	507.50	-4.2539	87.92	678,949	124085.2	40.09	6.09	-5.09	-7738.24556	
15/01/2018	678,949	950.00	196.13	438.77	507.50	-4.2539	87.92	679,934	124182	40.1	6.1	-5.1	-7755.876	
16/01/2018	679,934	950.00	196.29	438.72	507.50	-4.2719	87.99	680,920	124278.8	40.11	6.11	-5.11	-7773.51596	
17/01/2018	680,920	950.00	196.44	438.66	507.50	-4.2900	88.06	681,905	124375.6	40.12	6.12	-5.12	-7791.16544	
18/01/2018	681,905	950.00	196.59	438.60	507.50	-4.3082	88.13	682,890	124375.6	40.12	6.12	-5.12	-7791.16544	
19/01/2018	682,890	950.00	196.59	438.60	507.50	-4.3082	88.13	683,875	124472.4	40.13	6.13	-5.13	-7808.82444	
20/01/2018	683,875	950.00	196.75	438.54	507.50	-4.3264	88.19	684,861	124569.2	40.14	6.14	-5.14	-7826.49296	
21/01/2018	684,861	950.00	196.90	438.49	507.50	-4.3446	88.26	685,846	124666	40.15	6.15	-5.15	-7844.171	
22/01/2018	685,846	950.00	197.05	438.43	507.50	-4.3629	88.33	686,831	124762.8	40.16	6.16	-5.16	-7861.85856	
23/01/2018	686,831	950.00	197.21	438.37	507.50	-4.3813	88.40	687,817	124762.8	40.16	6.16	-5.16	-7861.85856	
24/01/2018	687,817	950.00	197.21	438.37	507.50	-4.3813	88.40	688,802	124859.6	40.17	6.17	-5.17	-7879.55564	
25/01/2018	688,802	950.00	197.36	438.31	507.50	-4.3996	88.47	689,787	124956.4	40.18	6.18	-5.18	-7897.26224	
26/01/2018	689,787	950.00	197.51	438.25	507.50	-4.4180	88.54	690,773	125053.2	40.19	6.19	-5.19	-7914.97836	
27/01/2018	690,773	950.00	197.66	438.20	507.50	-4.4365	88.61	691,758	125150	40.2	6.2	-5.2	-7932.704	
28/01/2018	691,758	950.00	197.82	438.14	507.50	-4.4550	88.67	692,743	125150	40.2	6.2	-5.2	-7932.704	
29/01/2018	692,743	950.00	197.82	438.14	507.50	-4.4550	88.67	693,728	125246.8	40.21	6.21	-5.21	-7950.43916	
30/01/2018	693,728	950.00	197.97	438.08	507.50	-4.4736	88.74	694,714	125343.6	40.22	6.22	-5.22	-7968.18384	
31/01/2018	694,714	950.00	198.12	438.02	507.50	-4.4921	88.81	695,699	125440.4	40.23	6.23	-5.23	-7985.93804	
01/02/2018	695,699	950.00	170.24	281.51	507.50	-4.5108	94.33	696,495	125440.4	40.23	6.23	-5.23	-7985.93804	
02/02/2018	696,495	950.00	170.24	281.51	507.50	-4.5108	94.33	697,290	125537.2	40.24	6.24	-5.24	-8003.70176	
03/02/2018	697,290	950.00	170.37	281.47	507.50	-4.5295	94.40	698,085	125634	40.25	6.25	-5.25	-8021.475	
04/02/2018	698,085	950.00	170.50	281.43	507.50	-4.5482	94.48	698,881	125634	40.25	6.25	-5.25	-8021.475	
05/02/2018	698,881	950.00	170.50	281.43	507.50	-4.5482	94.48	699,676	125730.8	40.26	6.26	-5.26	-8039.25776	
06/02/2018	699,676	950.00	170.63	281.40	507.50	-4.5669	94.55	700,472	125827.6	40.27	6.27	-5.27	-8057.05004	
07/02/2018	700,472	950.00	170.77	281.36	507.50	-4.5858	94.62	701,267	125827.6	40.27	6.27	-5.27	-8057.05004	
08/02/2018	701,267	950.00	170.77	281.36	507.50	-4.5858	94.62	702,062	125924.4	40.28	6.28	-5.28	-8074.85184	
09/02/2018	702,062	950.00	170.90	281.32	507.50	-4.6046	94.69	702,858	125924.4	40.28	6.28	-5.28	-8074.85184	
10/02/2018	702,858	950.00	170.90	281.32	507.50	-4.6046	94.69	703,653	126021.2	40.29	6.29	-5.29	-8092.66316	
11/02/2018	703,653	950.00	171.03	281.28	507.50	-4.6235	94.77	704,449	126118	40.3	6.3	-5.3	-8110.484	
12/02/2018	704,449	950.00	171.16	281.25	507.50	-4.6424	94.84	705,244	126118	40.3	6.3	-5.3	-8110.484	
13/02/2018	705,244	950.00	171.16	281.25	507.50	-4.6424	94.84	706,040	126214.8	40.31	6.31	-5.31	-8128.31436	
14/02/2018	706,040	950.00	171.29	281.21	507.50	-4.6614	94.91	706,835	126311.6	40.32	6.32	-5.32	-8146.15424	
15/02/2018	706,835	950.00	171.42	281.17	507.50	-4.6805	94.99	707,630	126311.6	40.32	6.32	-5.32	-8146.15424	
16/02/2018	707,630	950.00	171.42	281.17	507.50	-4.6805	94.99	708,426	126408.4	40.33	6.33	-5.33	-8164.00364	
17/02/2018	708,426	950.00	171.55	281.14	507.50	-4.6995	95.06	709,221	126408.4	40.33	6.33	-5.33	-8164.00364	
18/02/2018	709,221	950.00	171.55	281.14	507.50	-4.6995	95.06	710,017	126505.2	40.34	6.34	-5.34	-8181.86256	
19/02/2018	710,017	950.00	171.69	281.10	507.50	-4.7186	95.13	710,812	126602	40.35	6.35	-5.35	-8199.731	
20/02/2018	710,812	950.00	171.82	281.06	507.50	-4.7378	95.20	711,608	126602	40.35	6.35	-5.35	-8199.731	
21/02/2018	711,608	950.00	171.82	281.06	507.50	-4.7378	95.20	712,403	126698.8	40.36	6.36	-5.36	-8217.60896	
22/02/2018	712,403	950.00	171.95	281.02	507.50	-4.7570	95.28	713,198	126795.6	40.37	6.37	-5.37	-8235.49644	
23/02/2018	713,198	950.00	172.08	280.99	507.50	-4.7763	95.35	713,994	126795.6	40.37	6.37	-5.37	-8235.49644	
24/02/2018	713,994	950.00	172.08	280.99	507.50	-4.7763	95.35	714,789	126892.4	40.38	6.38	-5.38	-8253.39344	
25/02/2018	714,789	950.00	172.21	280.95	507.50	-4.7956	95.42	715,585	126989.2	40.39	6.39	-5.39	-8271.29996	
26/02/2018	715,585	950.00	172.34	280.91	507.50	-4.8149	95.49	716,380	126989.2	40.39	6.39	-5.39	-8271.29996	
27/02/2018	716,380	950.00	172.34	280.91	507.50	-4.8149	95.49	717,176	127086	40.4	6.4	-5.4	-8289.216	
28/02/2018	717,176	950.00	172.47	280.88	507.50	-4.8343	95.57	717,971	127086	40.4	6.4	-5.4	-8289.216	
01/03/2018	717,971	950.00	155.78	38.84	507.50	-4.8343	132.04	718,771	127182.8	40.41	6.41	-5.41	-8307.14156	
02/03/2018	718,771	950.00	155.90	38.83	507.50	-4.8537	132.14	719,571	127182.8	40.41	6.41	-5.41	-8307.14156	
03/03/2018	719,571	950.00	156.02	38.83	507.50	-4.8732	132.24	720,371	127279.6	40.42	6.42	-5.42	-8325.07664	
04/03/2018	720,371	950.00	156.14	38.82	507.50	-4.8927	132.34	721,171	127279.6	40.42	6.42	-5.42	-8325.07664	
05/03/2018	721,171	950.00	156.26	38.82	507.50	-4.9122	132.45	721,971	127376.4	40.43	6.43	-5.43	-8343.02124	
06/03/2018	722,000	950.00	156.38	38.81	507.50	-4.9318	132.55	722,771	127376.4	40.43	6.43	-5.43	-8343.02124	
07/03/2018	722,900	950.00	156.50	38.80	507.50	-4.9515	132.65	723,571	127473.2	40.44	6.44	-5.44	-8360.97536	
08/03/2018	723,800	950.00	156.61	38.80	507.50	-4.9712	132.75	724,371	127473.2	40.44	6.44	-5.44	-8360.97536	
09/03/2018	724,700	950.00	156.73	38.80	507.50	-4.9909	132.85	725,171	127570	40.45	6.45	-5.45	-8378.939	
10/03/2018	725,600	950.00	156.85	38.79	507.50	-5.0107	132.95	725,971	127570	40.45	6.45	-5.45	-8378.939	
11/03/2018	726,500	950.00	156.97	38.79	507.50	-5.0305	133.05	726,771	127666.8	40.46	6.46	-5.46	-8396.91216	
12/03/2018	727,400	950.00	157.09	38.78	507.50	-5.0504	133.16	727,571	127666.8	40.46	6.46	-5.46	-8396.91216	
13/03/2018	728,300	950.00	157.22	38.78	507.50	-5.0703	133.26	728,371	127763.6	40.47	6.47	-5.47	-8414.89484	
14/03/2018	729,200	950.00	157.34	38.78	507.50	-5.0909	133.36	729,171	127763.6	40.47	6.47	-5.47	-8414.89484	
15/03/2018	730,100	950.00	157.46	38.78	507.50	-5.1117	133.46	730,000	127860.4	40.48	6.48	-5.48	-8432.88704	
16/03/2018	731,000	950.00	157.58	38.78	507.50	-5.1325	133.56	730,800	127860.4	40.48	6.48	-5.48	-8432.88704	
17/03/2018	731,900	950.00	157.70	38.78	507.50	-5.1533	133.66	731,600	127957.2	40.49	6.49	-5.49	-8450.88876	
18/03/2018	732,800	950.00	157.82	38.78	507.50	-5.1741	133.76	732,400	127957.2	40.49	6.49	-5.49	-8450.88876	
19/03/2018	733,700	950.00	157.94	38.78	507.50	-5.1949	133.86	733,200	128054	40.5	6.5	-5.5	-8468.9	
20/03/2018	734,600	950.00	158.06	38.78	507.50	-5.								

Date	Inflows				Outflows				Calculations				Groundwater Calcs	
	Volume of Water In Lagoon	Abstraction from R Blackwater	Direct Rainfall Inflow	SW Run-Off	Abstraction from Lagoon to Process	Loss / Make to Lagoon From Groundwater	Evaporative Losses	Net Volume of Water In Lagoon	Lagoon Area	Water Level	Water Depth	Groundwater head	cross-section Area	
	m3	m3/d	m3/d	m3/d	m3/d	m3/d	m3/d	m2	mAOD	m Above Base	m	m2		
02/04/2018	732,914	-	158.19	0.00	507.50	-5.0703	208.60	128258.52	40.52	6.52	-5.52	-8504.95104		
03/04/2018	732,351	-	158.19	0.00	507.50	-5.0703	208.60	128156.26	40.51	6.51	-5.51	-8486.92076		
04/04/2018	731,788	-	158.06	0.00	507.50	-5.0504	208.43	128156.26	40.51	6.51	-5.51	-8486.92076		
05/04/2018	731,226	-	158.06	0.00	507.50	-5.0504	208.43	128054	40.5	6.5	-5.5	-8468.9		
06/04/2018	730,663	-	157.93	0.00	507.50	-5.0305	208.27	128054	40.5	6.5	-5.5	-8468.9		
07/04/2018	730,100	-	157.93	0.00	507.50	-5.0305	208.27	127957.2	40.49	6.49	-5.49	-8450.88876		
08/04/2018	729,537	-	157.81	0.00	507.50	-5.0107	208.11	127957.2	40.49	6.49	-5.49	-8450.88876		
09/04/2018	728,974	-	157.81	0.00	507.50	-5.0107	208.11	127957.2	40.49	6.49	-5.49	-8450.88876		
10/04/2018	728,411	-	157.81	0.00	507.50	-5.0107	208.11	127860.4	40.48	6.48	-5.48	-8432.88704		
11/04/2018	727,848	-	157.69	0.00	507.50	-4.9909	207.95	127860.4	40.48	6.48	-5.48	-8432.88704		
12/04/2018	727,286	-	157.69	0.00	507.50	-4.9909	207.95	127763.6	40.47	6.47	-5.47	-8414.89484		
13/04/2018	726,723	-	157.58	0.00	507.50	-4.9712	207.79	127763.6	40.47	6.47	-5.47	-8414.89484		
14/04/2018	726,160	-	157.58	0.00	507.50	-4.9712	207.79	127666.8	40.46	6.46	-5.46	-8396.91216		
15/04/2018	725,598	-	157.46	0.00	507.50	-4.9515	207.64	127666.8	40.46	6.46	-5.46	-8396.91216		
16/04/2018	725,035	-	157.46	0.00	507.50	-4.9515	207.64	127570	40.45	6.45	-5.45	-8378.939		
17/04/2018	724,472	-	157.34	0.00	507.50	-4.9318	207.48	127570	40.45	6.45	-5.45	-8378.939		
18/04/2018	723,910	-	157.34	0.00	507.50	-4.9318	207.48	127570	40.45	6.45	-5.45	-8378.939		
19/04/2018	723,347	-	157.34	0.00	507.50	-4.9318	207.48	127473.2	40.44	6.44	-5.44	-8360.97536		
20/04/2018	722,785	-	157.22	0.00	507.50	-4.9122	207.32	127473.2	40.44	6.44	-5.44	-8360.97536		
21/04/2018	722,222	-	157.10	0.00	507.50	-4.8927	207.16	127376.4	40.43	6.43	-5.43	-8343.02124		
22/04/2018	721,660	-	157.10	0.00	507.50	-4.8927	207.16	127376.4	40.43	6.43	-5.43	-8343.02124		
23/04/2018	721,097	-	156.98	0.00	507.50	-4.8732	207.01	127279.6	40.42	6.42	-5.42	-8325.07664		
24/04/2018	720,535	-	156.98	0.00	507.50	-4.8732	207.01	127279.6	40.42	6.42	-5.42	-8325.07664		
25/04/2018	719,972	-	156.86	0.00	507.50	-4.8537	206.85	127182.8	40.41	6.41	-5.41	-8307.14156		
26/04/2018	719,410	-	156.86	0.00	507.50	-4.8537	206.85	127182.8	40.41	6.41	-5.41	-8307.14156		
27/04/2018	718,847	-	156.74	0.00	507.50	-4.8343	206.69	127086	40.4	6.4	-5.4	-8289.216		
28/04/2018	718,285	-	156.74	0.00	507.50	-4.8343	206.69	127086	40.4	6.4	-5.4	-8289.216		
29/04/2018	717,723	-	156.74	0.00	507.50	-4.8343	206.69	126989.2	40.39	6.39	-5.39	-8271.29996		
30/04/2018	717,160	-	156.74	0.00	507.50	-4.8343	206.69	126989.2	40.39	6.39	-5.39	-8271.29996		
01/05/2018	716,598	-	180.24	0.00	507.50	-4.8149	289.57	126892.4	40.38	6.38	-5.38	-8253.39344		
02/05/2018	715,977	-	180.24	0.00	507.50	-4.8149	289.57	126892.4	40.38	6.38	-5.38	-8253.39344		
03/05/2018	715,355	-	180.11	0.00	507.50	-4.7956	289.35	126892.4	40.38	6.38	-5.38	-8253.39344		
04/05/2018	714,733	-	180.11	0.00	507.50	-4.7956	289.35	126795.6	40.37	6.37	-5.37	-8235.49644		
05/05/2018	714,112	-	179.97	0.00	507.50	-4.7763	289.13	126795.6	40.37	6.37	-5.37	-8235.49644		
06/05/2018	713,490	-	179.83	0.00	507.50	-4.7570	288.91	126698.8	40.36	6.36	-5.36	-8217.60896		
07/05/2018	712,869	-	179.83	0.00	507.50	-4.7570	288.91	126698.8	40.36	6.36	-5.36	-8217.60896		
08/05/2018	712,248	-	179.69	0.00	507.50	-4.7378	288.69	126602	40.35	6.35	-5.35	-8199.731		
09/05/2018	711,626	-	179.69	0.00	507.50	-4.7378	288.69	126602	40.35	6.35	-5.35	-8199.731		
10/05/2018	711,005	-	179.56	0.00	507.50	-4.7186	288.47	126505.2	40.34	6.34	-5.34	-8181.86256		
11/05/2018	710,384	-	179.56	0.00	507.50	-4.7186	288.47	126505.2	40.34	6.34	-5.34	-8181.86256		
12/05/2018	709,763	-	179.42	0.00	507.50	-4.6995	288.25	126408.4	40.33	6.33	-5.33	-8164.00364		
13/05/2018	709,142	-	179.42	0.00	507.50	-4.6995	288.25	126408.4	40.33	6.33	-5.33	-8164.00364		
14/05/2018	708,521	-	179.28	0.00	507.50	-4.6805	288.03	126311.6	40.32	6.32	-5.32	-8146.15424		
15/05/2018	707,899	-	179.28	0.00	507.50	-4.6805	288.03	126311.6	40.32	6.32	-5.32	-8146.15424		
16/05/2018	707,279	-	179.14	0.00	507.50	-4.6614	287.81	126214.8	40.31	6.31	-5.31	-8128.31436		
17/05/2018	706,658	-	179.14	0.00	507.50	-4.6614	287.81	126214.8	40.31	6.31	-5.31	-8128.31436		
18/05/2018	706,037	-	179.01	0.00	507.50	-4.6424	287.58	126118	40.3	6.3	-5.3	-8110.484		
19/05/2018	705,416	-	179.01	0.00	507.50	-4.6424	287.58	126118	40.3	6.3	-5.3	-8110.484		
20/05/2018	704,795	-	178.87	0.00	507.50	-4.6235	287.36	126021.2	40.29	6.29	-5.29	-8092.66316		
21/05/2018	704,175	-	178.87	0.00	507.50	-4.6235	287.36	126021.2	40.29	6.29	-5.29	-8092.66316		
22/05/2018	703,554	-	178.73	0.00	507.50	-4.6046	287.14	125924.4	40.28	6.28	-5.28	-8074.85184		
23/05/2018	702,933	-	178.73	0.00	507.50	-4.6046	287.14	125924.4	40.28	6.28	-5.28	-8074.85184		
24/05/2018	702,313	-	178.59	0.00	507.50	-4.5858	286.92	125827.6	40.27	6.27	-5.27	-8057.05004		
25/05/2018	701,692	-	178.59	0.00	507.50	-4.5858	286.92	125827.6	40.27	6.27	-5.27	-8057.05004		
26/05/2018	701,072	-	178.46	0.00	507.50	-4.5669	286.70	125730.8	40.26	6.26	-5.26	-8039.25776		
27/05/2018	700,451	-	178.46	0.00	507.50	-4.5669	286.70	125730.8	40.26	6.26	-5.26	-8039.25776		
28/05/2018	699,831	-	178.32	0.00	507.50	-4.5482	286.48	125634	40.25	6.25	-5.25	-8021.475		
29/05/2018	699,211	-	178.32	0.00	507.50	-4.5482	286.48	125634	40.25	6.25	-5.25	-8021.475		
30/05/2018	698,590	-	196.67	0.00	507.50	-4.5295	363.14	125537.2	40.24	6.24	-5.24	-8003.70176		
31/05/2018	697,970	-	196.67	0.00	507.50	-4.5295	363.14	125537.2	40.24	6.24	-5.24	-8003.70176		
01/06/2018	697,350	-	196.52	0.00	507.50	-4.5108	362.86	125440.4	40.23	6.23	-5.23	-7985.93804		
02/06/2018	696,730	-	196.52	0.00	507.50	-4.5108	362.86	125440.4	40.23	6.23	-5.23	-7985.93804		
03/06/2018	695,993	-	196.37	0.00	507.50	-4.4921	362.58	125343.6	40.22	6.22	-5.22	-7968.18384		
04/06/2018	695,314	-	196.37	0.00	507.50	-4.4921	362.58	125343.6	40.22	6.22	-5.22	-7968.18384		
05/06/2018	694,636	-	196.22	0.00	507.50	-4.4736	362.30	125246.8	40.21	6.21	-5.21	-7950.43916		
06/06/2018	693,958	-	196.22	0.00	507.50	-4.4736	362.30	125246.8	40.21	6.21	-5.21	-7950.43916		
07/06/2018	693,280	-	196.07	0.00	507.50	-4.4550	362.02	125150	40.2	6.2	-5.2	-7932.704		
08/06/2018	692,602	-	196.07	0.00	507.50	-4.4550	362.02	125150	40.2	6.2	-5.2	-7932.704		
09/06/2018	691,924	-	195.92	0.00	507.50	-4.4365	361.74	125053.2	40.19	6.19	-5.19	-7914.97836		
10/06/2018	691,246	-	195.92	0.00	507.50	-4.4365	361.74	125053.2	40.19	6.19	-5.19	-7914.97836		
11/06/2018	690,568	-	195.77	0.00	507.50	-4.4180	361.46	124956.4	40.18	6.18	-5.18	-7897.26224		
12/06/2018	689,891	-	195.77	0.00	507.50	-4.4180	361.46	124956.4	40.18	6.18	-5.18	-7897.26224		
13/06/2018	689,213	-	195.61	0.00	507.50	-4.3996	361.18	124859.6	40.17	6.17	-5.17	-7879.55564		
14/06/2018	688,535	-	195.61	0.00	507.50	-4.3996	361.18	124859.6	40.17	6.17	-5.17	-7879.55564		
15/06/2018	687,858	-	195.46	0.00	507.50	-4.3813	360.90	124762.8	40.16	6.16	-5.16	-7861.85856		
16/06/2018	687,181	-	195.46	0.00	507.50	-4.3813	360.90	124762.8	40.16	6.16	-5.16	-7861.85856		
17/06/2018	686,503	-	195.31	0.00	507.50	-4.3629	360.62	124666	40.15	6.15	-5.15	-7844.171		
18/06/2018	685,826	-	195.31	0.00	507.50	-4.3629	360.62	124666	40.15	6.15	-5.15	-7844.171		
19/06/2018	685,149	-	195.16	0.00	507.50	-4.3446	360.34	124569.2	40.14	6.14	-5.14	-7826.49296		
20/06/2018	684,472	-	195.16	0.00	507.50	-4.3446	360.34	124569.2	40.14	6.14	-5.14	-7826.49296		
21/06/2018	683,795	-	195.01	0.00	507.50	-4.3264	360.06	124472.4	40.13	6.13	-5.13	-7808.82444		
22/06/2018	683,118	-	195.01	0.00	507.50	-4.3264	360.06	124472.4	40.13	6.13	-5.13	-7808.82444		
23/06/2018	682,441	-	194.86	0.00	507.50	-4.3082	359.78	124375.6	40.12	6.12	-5.12	-7791.16544		

Date	Inflows				Outflows				Calculations				Groundwater Calcs	
	Volume of Water In Lagoon	Abstraction from R Blackwater	Direct Rainfall Inflow	SW Run-Off	Abstraction from Lagoon to Process	Loss / Make to Lagoon From Groundwater	Evaporative Losses	Net Volume of Water In Lagoon	Lagoon Area	Water Level	Water Depth	Groundwater head	cross-section Area	
	m3	m3/d	m3/d	m3/d	m3/d	m3/d	m3/d	m2	mAOD	m Above Base	m	m2		
27/06/2018	679,734	-	194.55	0.00	507.50	-4.2719	359.22	679,058	124085.2	40.09	6.09	-5.09	-7738.24556	
28/06/2018	679,058	-	194.40	0.00	507.50	-4.2539	358.94	678,382	124085.2	40.09	6.09	-5.09	-7738.24556	
29/06/2018	678,382	-	194.40	0.00	507.50	-4.2539	358.94	677,705	123988.4	40.08	6.08	-5.08	-7720.62464	
30/06/2018	677,705	-	194.25	0.00	507.50	-4.2358	358.66	677,029	123988.4	40.08	6.08	-5.08	-7720.62464	
01/07/2018	677,029	-	219.98	0.00	507.50	-4.2358	466.94	676,270	123891.6	40.07	6.07	-5.07	-7703.01324	
02/07/2018	676,270	-	219.81	0.00	507.50	-4.2179	466.58	675,512	123891.6	40.07	6.07	-5.07	-7703.01324	
03/07/2018	675,512	-	219.81	0.00	507.50	-4.2179	466.58	674,754	123794.8	40.06	6.06	-5.06	-7685.41136	
04/07/2018	674,754	-	219.64	0.00	507.50	-4.1999	466.21	673,995	123698	40.05	6.05	-5.05	-7667.819	
05/07/2018	673,995	-	219.46	0.00	507.50	-4.1820	465.85	673,237	123698	40.05	6.05	-5.05	-7667.819	
06/07/2018	673,237	-	219.46	0.00	507.50	-4.1820	465.85	672,479	123601.2	40.04	6.04	-5.04	-7650.23616	
07/07/2018	672,479	-	219.29	0.00	507.50	-4.1642	465.48	671,721	123504.4	40.03	6.03	-5.03	-7632.66284	
08/07/2018	671,721	-	219.12	0.00	507.50	-4.1464	465.12	670,964	123504.4	40.03	6.03	-5.03	-7632.66284	
09/07/2018	670,964	-	219.12	0.00	507.50	-4.1464	465.12	670,206	123407.6	40.02	6.02	-5.02	-7615.09904	
10/07/2018	670,206	-	218.95	0.00	507.50	-4.1286	464.75	669,449	123407.6	40.02	6.02	-5.02	-7615.09904	
11/07/2018	669,449	-	218.95	0.00	507.50	-4.1286	464.75	668,691	123310.8	40.01	6.01	-5.01	-7597.54476	
12/07/2018	668,691	-	218.78	0.00	507.50	-4.1109	464.39	667,934	123214	40	6	-5	-7580	
13/07/2018	667,934	-	218.61	0.00	507.50	-4.0932	464.02	667,177	123214	40	6	-5	-7580	
14/07/2018	667,177	-	218.61	0.00	507.50	-4.0932	464.02	666,420	123123.64	39.99	5.99	-4.99	-7563.00368	
15/07/2018	666,420	-	218.45	0.00	507.50	-4.0759	463.68	665,663	123123.64	39.99	5.99	-4.99	-7563.00368	
16/07/2018	665,663	-	218.45	0.00	507.50	-4.0759	463.68	664,906	123123.64	39.99	5.99	-4.99	-7563.00368	
17/07/2018	664,906	-	218.45	0.00	507.50	-4.0759	463.68	664,149	123123.64	39.99	5.99	-4.99	-7563.00368	
18/07/2018	664,149	-	218.45	0.00	507.50	-4.0759	463.68	663,393	123123.64	39.99	5.99	-4.99	-7563.00368	
19/07/2018	663,393	-	218.45	0.00	507.50	-4.0759	463.68	662,636	123123.64	39.99	5.99	-4.99	-7563.00368	
20/07/2018	662,636	-	218.45	0.00	507.50	-4.0759	463.68	661,879	123123.64	39.99	5.99	-4.99	-7563.00368	
21/07/2018	661,879	-	218.45	0.00	507.50	-4.0759	463.68	661,122	123123.64	39.99	5.99	-4.99	-7563.00368	
22/07/2018	661,122	-	218.45	0.00	507.50	-4.0759	463.68	660,365	123033.28	39.98	5.98	-4.98	-7546.01472	
23/07/2018	660,365	-	218.28	0.00	507.50	-4.0585	463.34	659,609	122942.92	39.97	5.97	-4.97	-7529.03312	
24/07/2018	659,609	-	218.12	0.00	507.50	-4.0413	463.00	658,852	122942.92	39.97	5.97	-4.97	-7529.03312	
25/07/2018	658,852	-	218.12	0.00	507.50	-4.0413	463.00	658,096	122852.56	39.96	5.96	-4.96	-7512.05888	
26/07/2018	658,096	-	217.96	0.00	507.50	-4.0241	462.66	657,340	122762.2	39.95	5.95	-4.95	-7495.092	
27/07/2018	657,340	-	217.80	0.00	507.50	-4.0069	462.32	656,584	122762.2	39.95	5.95	-4.95	-7495.092	
28/07/2018	656,584	-	217.80	0.00	507.50	-4.0069	462.32	655,828	122671.84	39.94	5.94	-4.94	-7478.13248	
29/07/2018	655,828	-	217.64	0.00	507.50	-3.9897	461.98	655,072	122671.84	39.94	5.94	-4.94	-7478.13248	
30/07/2018	655,072	-	217.64	0.00	507.50	-3.9897	461.98	654,316	122581.48	39.93	5.93	-4.93	-7461.18032	
31/07/2018	654,316	-	217.48	0.00	507.50	-3.9726	461.64	653,560	122491.12	39.92	5.92	-4.92	-7444.23552	
01/08/2018	653,560	-	237.08	0.00	507.50	-3.9556	434.47	652,804	122491.12	39.92	5.92	-4.92	-7444.23552	
02/08/2018	652,804	-	237.08	0.00	507.50	-3.9556	434.47	652,048	122400.76	39.91	5.91	-4.91	-7427.29808	
03/08/2018	652,048	-	236.90	0.00	507.50	-3.9385	434.15	651,292	122400.76	39.91	5.91	-4.91	-7427.29808	
04/08/2018	651,292	-	236.90	0.00	507.50	-3.9385	434.15	650,536	122310.4	39.9	5.9	-4.9	-7410.368	
05/08/2018	650,536	-	236.73	0.00	507.50	-3.9216	433.83	650,017	122220.04	39.89	5.89	-4.89	-7393.44528	
06/08/2018	650,017	-	236.55	0.00	507.50	-3.9046	433.51	649,308	122220.04	39.89	5.89	-4.89	-7393.44528	
07/08/2018	649,308	-	236.55	0.00	507.50	-3.9046	433.51	648,600	122129.68	39.88	5.88	-4.88	-7376.52992	
08/08/2018	648,600	-	236.38	0.00	507.50	-3.8877	433.19	647,892	122129.68	39.88	5.88	-4.88	-7376.52992	
09/08/2018	647,892	-	236.38	0.00	507.50	-3.8877	433.19	647,184	122039.32	39.87	5.87	-4.87	-7359.62192	
10/08/2018	647,184	-	236.21	0.00	507.50	-3.8709	432.87	646,476	122039.32	39.87	5.87	-4.87	-7359.62192	
11/08/2018	646,476	-	236.21	0.00	507.50	-3.8709	432.87	645,768	121948.96	39.86	5.86	-4.86	-7342.72128	
12/08/2018	645,768	-	236.03	0.00	507.50	-3.8540	432.55	645,060	121858.6	39.85	5.85	-4.85	-7325.828	
13/08/2018	645,060	-	235.86	0.00	507.50	-3.8373	432.23	644,352	121858.6	39.85	5.85	-4.85	-7325.828	
14/08/2018	644,352	-	235.86	0.00	507.50	-3.8373	432.23	643,644	121768.24	39.84	5.84	-4.84	-7308.94208	
15/08/2018	643,644	-	235.68	0.00	507.50	-3.8205	431.91	642,937	121768.24	39.84	5.84	-4.84	-7308.94208	
16/08/2018	642,937	-	235.68	0.00	507.50	-3.8205	431.91	642,229	121677.88	39.83	5.83	-4.83	-7292.06352	
17/08/2018	642,229	-	235.51	0.00	507.50	-3.8038	431.59	641,522	121677.88	39.83	5.83	-4.83	-7292.06352	
18/08/2018	641,522	-	235.51	0.00	507.50	-3.8038	431.59	640,814	121587.52	39.82	5.82	-4.82	-7275.19232	
19/08/2018	640,814	-	235.33	0.00	507.50	-3.7872	431.27	640,107	121497.16	39.81	5.81	-4.81	-7258.32848	
20/08/2018	640,107	-	235.16	0.00	507.50	-3.7706	430.95	639,400	121497.16	39.81	5.81	-4.81	-7258.32848	
21/08/2018	639,400	-	235.16	0.00	507.50	-3.7706	430.95	638,693	121406.8	39.8	5.8	-4.8	-7241.472	
22/08/2018	638,693	-	234.98	0.00	507.50	-3.7540	430.63	637,986	121406.8	39.8	5.8	-4.8	-7241.472	
23/08/2018	637,986	-	234.98	0.00	507.50	-3.7540	430.63	637,279	121316.44	39.79	5.79	-4.79	-7224.62288	
24/08/2018	637,279	-	234.81	0.00	507.50	-3.7374	430.31	636,572	121226.08	39.78	5.78	-4.78	-7207.78112	
25/08/2018	636,572	-	234.63	0.00	507.50	-3.7209	429.99	635,866	121226.08	39.78	5.78	-4.78	-7207.78112	
26/08/2018	635,866	-	234.63	0.00	507.50	-3.7209	429.99	635,159	121135.72	39.77	5.77	-4.77	-7190.94672	
27/08/2018	635,159	-	234.46	0.00	507.50	-3.7045	429.67	634,453	121135.72	39.77	5.77	-4.77	-7190.94672	
28/08/2018	634,453	-	234.46	0.00	507.50	-3.7045	429.67	633,747	121045.36	39.76	5.76	-4.76	-7174.11968	
29/08/2018	633,747	-	234.28	0.00	507.50	-3.6881	429.34	633,040	121045.36	39.76	5.76	-4.76	-7174.11968	
30/08/2018	633,040	-	234.28	0.00	507.50	-3.6881	429.34	632,334	120955	39.75	5.75	-4.75	-7157.3	
31/08/2018	632,334	-	234.11	0.00	507.50	-3.6717	429.02	631,628	120864.64	39.74	5.74	-4.74	-7140.48768	
01/09/2018	631,628	-	197.41	0.00	507.50	-3.6554	309.98	631,004	120864.64	39.74	5.74	-4.74	-7140.48768	
02/09/2018	631,004	-	197.41	0.00	507.50	-3.6554	309.98	630,380	120774.28	39.73	5.73	-4.73	-7123.68272	
03/09/2018	630,380	-	197.26	0.00	507.50	-3.6391	309.74	629,757	120774.28	39.73	5.73	-4.73	-7123.68272	
04/09/2018	629,757	-	197.26	0.00	507.50	-3.6391	309.74	629,133	120683.92	39.72	5.72	-4.72	-7106.88512	
05/09/2018	629,133	-	197.12	0.00	507.50	-3.6228	309.51	628,510	120683.92	39.72	5.72	-4.72	-7106.88512	
06/09/2018	628,510	-	197.12	0.00	507.50	-3.6228	309.51	627,886	120593.56	39.71	5.71	-4.71	-7090.09488	
07/09/2018	627,886	-	196.97	0.00	507.50	-3.6066	309.28	627,263	120593.56	39.71	5.71	-4.71	-7090.09488	
08/09/2018	627,263	-	196.97	0.00	507.50	-3.6066	309.28	626,639	120503.2	39.7	5.7	-4.7	-7073.312	
09/09/2018	626,639	-	196.82	0.00	507.50	-3.5904	309.05	626,016	120503.2	39.7	5.7	-4.7	-7073.312	
10/09/2018	626,016	-	196.82	0.00	507.50	-3.5904	309.05	625,393	120412.84	39.69	5.69	-4.69	-7056.53648	
11/09/2018	625,393	-	196.67	0.00										

Date	Inflows				Outflows				Calculations				Groundwater Calcs	
	Volume of Water In Lagoon	Abstraction from R Blackwater	Direct Rainfall Inflow	SW Run-Off	Abstraction from Lagoon to Process	Loss / Make to Lagoon From Groundwater	Evaporative Losses	Net Volume of Water In Lagoon	Lagoon Area	Water Level	Water Depth	Groundwater head	cross-section Area	
	m3	m3/d	m3/d	m3/d	m3/d	m3/d	m3/d	m2	mAOD	m Above Base	m	m2		
21/09/2018	619,163	-	195.94	0.00	507.50	-3.4942	307.66	618,540	119961.04	39.64	5.64	-4.64	-6972.76928	
22/09/2018	618,540	-	195.94	0.00	507.50	-3.4942	307.66	617,917	119870.68	39.63	5.63	-4.63	-6956.03792	
23/09/2018	617,917	-	195.79	0.00	507.50	-3.4783	307.43	617,294	119780.32	39.62	5.62	-4.62	-6939.31392	
24/09/2018	617,294	-	195.64	0.00	507.50	-3.4624	307.20	616,672	119780.32	39.62	5.62	-4.62	-6939.31392	
25/09/2018	616,672	-	195.64	0.00	507.50	-3.4624	307.20	616,049	119689.96	39.61	5.61	-4.61	-6922.59728	
26/09/2018	616,049	-	195.49	0.00	507.50	-3.4466	306.96	615,427	119689.96	39.61	5.61	-4.61	-6922.59728	
27/09/2018	615,427	-	195.49	0.00	507.50	-3.4466	306.96	614,805	119599.6	39.6	5.6	-4.6	-6905.888	
28/09/2018	614,805	-	195.35	0.00	507.50	-3.4308	306.73	614,182	119599.6	39.6	5.6	-4.6	-6905.888	
29/09/2018	614,182	-	195.35	0.00	507.50	-3.4308	306.73	613,560	119509.24	39.59	5.59	-4.59	-6889.18608	
30/09/2018	613,560	-	195.20	0.00	507.50	-3.4151	306.50	612,938	119509.24	39.59	5.59	-4.59	-6889.18608	
01/10/2018	612,938	-	192.76	222.59	507.50	-3.4151	253.47	612,589	119509.24	39.59	5.59	-4.59	-6889.18608	
02/10/2018	612,589	-	192.76	222.59	507.50	-3.4151	253.47	612,240	119418.88	39.58	5.58	-4.58	-6872.49152	
03/10/2018	612,240	-	192.61	222.62	507.50	-3.3994	253.28	611,891	119418.88	39.58	5.58	-4.58	-6872.49152	
04/10/2018	611,891	-	192.61	222.62	507.50	-3.3994	253.28	611,542	119418.88	39.58	5.58	-4.58	-6872.49152	
05/10/2018	611,542	-	192.61	222.62	507.50	-3.3994	253.28	611,193	119328.52	39.57	5.57	-4.57	-6855.80432	
06/10/2018	611,193	-	192.47	222.64	507.50	-3.3838	253.09	610,844	119328.52	39.57	5.57	-4.57	-6855.80432	
07/10/2018	610,844	-	192.47	222.64	507.50	-3.3838	253.09	610,495	119328.52	39.57	5.57	-4.57	-6855.80432	
08/10/2018	610,495	-	192.47	222.64	507.50	-3.3838	253.09	610,146	119238.16	39.56	5.56	-4.56	-6839.12448	
09/10/2018	610,146	-	192.32	222.67	507.50	-3.3681	252.90	609,797	119238.16	39.56	5.56	-4.56	-6839.12448	
10/10/2018	609,797	-	192.32	222.67	507.50	-3.3681	252.90	609,449	119238.16	39.56	5.56	-4.56	-6839.12448	
11/10/2018	609,449	-	192.32	222.67	507.50	-3.3681	252.90	609,100	119238.16	39.56	5.56	-4.56	-6839.12448	
12/10/2018	609,100	-	192.32	222.67	507.50	-3.3681	252.90	608,751	119147.8	39.55	5.55	-4.55	-6822.452	
13/10/2018	608,751	-	192.17	222.70	507.50	-3.3526	252.71	608,402	119147.8	39.55	5.55	-4.55	-6822.452	
14/10/2018	608,402	-	192.17	222.70	507.50	-3.3526	252.71	608,054	119147.8	39.55	5.55	-4.55	-6822.452	
15/10/2018	608,054	-	192.17	222.70	507.50	-3.3526	252.71	607,705	119057.44	39.54	5.54	-4.54	-6805.78688	
16/10/2018	607,705	-	192.03	222.73	507.50	-3.3370	252.52	607,356	119057.44	39.54	5.54	-4.54	-6805.78688	
17/10/2018	607,356	-	192.03	222.73	507.50	-3.3370	252.52	607,008	119057.44	39.54	5.54	-4.54	-6805.78688	
18/10/2018	607,008	-	192.03	222.73	507.50	-3.3370	252.52	606,659	119057.44	39.54	5.54	-4.54	-6805.78688	
19/10/2018	606,659	-	192.03	222.73	507.50	-3.3370	252.52	606,311	118967.08	39.53	5.53	-4.53	-6789.12912	
20/10/2018	606,311	-	191.88	222.75	507.50	-3.3215	252.32	605,962	118967.08	39.53	5.53	-4.53	-6789.12912	
21/10/2018	605,962	-	191.88	222.75	507.50	-3.3215	252.32	605,614	118967.08	39.53	5.53	-4.53	-6789.12912	
22/10/2018	605,614	-	191.88	222.75	507.50	-3.3215	252.32	605,265	118876.72	39.52	5.52	-4.52	-6772.47872	
23/10/2018	605,265	-	191.74	222.78	507.50	-3.3061	252.13	604,917	118876.72	39.52	5.52	-4.52	-6772.47872	
24/10/2018	604,917	-	191.74	222.78	507.50	-3.3061	252.13	604,568	118876.72	39.52	5.52	-4.52	-6772.47872	
25/10/2018	604,568	-	191.74	222.78	507.50	-3.3061	252.13	604,220	118876.72	39.52	5.52	-4.52	-6772.47872	
26/10/2018	604,220	-	191.74	222.78	507.50	-3.3061	252.13	603,871	118786.36	39.51	5.51	-4.51	-6755.83568	
27/10/2018	603,871	-	191.59	222.81	507.50	-3.2906	251.94	603,523	118786.36	39.51	5.51	-4.51	-6755.83568	
28/10/2018	603,523	-	191.59	222.81	507.50	-3.2906	251.94	603,175	118786.36	39.51	5.51	-4.51	-6755.83568	
29/10/2018	603,175	-	191.59	222.81	507.50	-3.2906	251.94	602,826	118696	39.5	5.5	-4.5	-6739.2	
30/10/2018	602,826	-	191.45	222.84	507.50	-3.2753	251.75	602,478	118696	39.5	5.5	-4.5	-6739.2	
31/10/2018	602,478	-	191.45	222.84	507.50	-3.2753	251.75	602,130	118696	39.5	5.5	-4.5	-6739.2	
01/11/2018	602,130	950.00	233.44	542.80	507.50	-3.2753	172.33	603,173	118786.36	39.51	5.51	-4.51	-6755.83568	
02/11/2018	603,173	950.00	233.61	542.74	507.50	-3.2906	172.46	604,216	118876.72	39.52	5.52	-4.52	-6772.47872	
03/11/2018	604,216	950.00	233.79	542.67	507.50	-3.3061	172.59	605,259	118876.72	39.52	5.52	-4.52	-6772.47872	
04/11/2018	605,259	950.00	233.79	542.67	507.50	-3.3061	172.59	606,302	118967.08	39.53	5.53	-4.53	-6789.12912	
05/11/2018	606,302	950.00	233.97	542.60	507.50	-3.3215	172.72	607,345	119057.44	39.54	5.54	-4.54	-6805.78688	
06/11/2018	607,345	950.00	234.15	542.54	507.50	-3.3370	172.85	608,388	119147.8	39.55	5.55	-4.55	-6822.452	
07/11/2018	608,388	950.00	234.32	542.47	507.50	-3.3526	172.99	609,431	119238.16	39.56	5.56	-4.56	-6839.12448	
08/11/2018	609,431	950.00	234.50	542.40	507.50	-3.3681	173.12	610,474	119328.52	39.57	5.57	-4.57	-6855.80432	
09/11/2018	610,474	950.00	234.68	542.34	507.50	-3.3838	173.25	611,517	119418.88	39.58	5.58	-4.58	-6872.49152	
10/11/2018	611,517	950.00	234.86	542.27	507.50	-3.3994	173.38	612,560	119509.24	39.59	5.59	-4.59	-6889.18608	
11/11/2018	612,560	950.00	235.03	542.21	507.50	-3.4151	173.51	613,603	119509.24	39.59	5.59	-4.59	-6889.18608	
12/11/2018	613,603	950.00	235.21	542.14	507.50	-3.4308	173.64	614,646	119599.6	39.6	5.6	-4.6	-6905.888	
13/11/2018	614,646	950.00	235.39	542.07	507.50	-3.4466	173.77	615,689	119689.96	39.61	5.61	-4.61	-6922.59728	
14/11/2018	615,689	950.00	235.57	542.01	507.50	-3.4624	173.90	616,731	119780.32	39.62	5.62	-4.62	-6939.31392	
15/11/2018	616,731	950.00	235.75	541.94	507.50	-3.4783	174.04	617,774	119870.68	39.63	5.63	-4.63	-6956.03792	
16/11/2018	617,774	950.00	235.92	541.87	507.50	-3.4942	174.17	618,817	119961.04	39.64	5.64	-4.64	-6972.76928	
17/11/2018	618,817	950.00	236.10	541.81	507.50	-3.5101	174.30	619,859	120051.4	39.65	5.65	-4.65	-6989.508	
18/11/2018	619,859	950.00	236.28	541.74	507.50	-3.5261	174.43	620,902	120051.4	39.65	5.65	-4.65	-6989.508	
19/11/2018	620,902	950.00	236.46	541.68	507.50	-3.5421	174.56	621,944	120141.76	39.66	5.66	-4.66	-7006.25408	
20/11/2018	621,944	950.00	236.63	541.61	507.50	-3.5582	174.69	622,987	120232.12	39.67	5.67	-4.67	-7023.00752	
21/11/2018	622,987	950.00	236.81	541.54	507.50	-3.5743	174.82	624,029	120322.48	39.68	5.68	-4.68	-7039.76832	
22/11/2018	624,029	950.00	236.99	541.48	507.50	-3.5904	174.95	625,072	120412.84	39.69	5.69	-4.69	-7056.53648	
23/11/2018	625,072	950.00	237.17	541.41	507.50	-3.6066	175.08	626,114	120503.2	39.7	5.7	-4.7	-7073.312	
24/11/2018	626,114	950.00	237.35	541.34	507.50	-3.6228	175.22	627,157	120593.56	39.71	5.71	-4.71	-7090.09488	
25/11/2018	627,157	950.00	237.52	541.28	507.50	-3.6391	175.35	628,199	120683.92	39.72	5.72	-4.72	-7106.88512	
26/11/2018	628,199	950.00	237.70	541.21	507.50	-3.6554	175.48	629,242	120683.92	39.72	5.72	-4.72	-7106.88512	
27/11/2018	629,242	950.00	237.88	541.15	507.50	-3.6717	175.61	630,284	120774.28	39.73	5.73	-4.73	-7123.68272	
28/11/2018	630,284	950.00	237.88	541.15	507.50	-3.6717	175.61	631,326	120864.64	39.74	5.74	-4.74	-7140.48768	
29/11/2018	631,326	950.00	237.88	541.15	507.50	-3.6717	175.61	632,368	120955	39.75	5.75	-4.75	-7157.3	
30/11/2018	632,368	950.00	199.14	470.45	507.50	-3.6881	114.82	633,411	121045.36	39.76	5.76	-4.76	-7174.11968	
01/12/2018	633,411	950.00	199.29	470.39	507.50	-3.7045	114.91	634,404	121135.72	39.77	5.77	-4.77	-7190.94672	
02/12/2018	634,404	950.00	199.44	470.34	507.50	-3.7209	114.99	635,398	121135.72	39.77	5.77	-4.77	-7190.94672	
03/12/2018	635,398	950.00	199.59	470.28	507.50	-3.7374	115.08	636,391	121226.08	39.78	5.78	-4.78	-7207.78112	
04/12/2018														

Date	Inflows				Outflows			Calculations				Groundwater Calcs	
	Volume of Water In Lagoon	Abstraction from R Blackwater	Direct Rainfall Inflow	SW Run-Off	Abstraction from Lagoon to Process	Loss / Make to Lagoon From Groundwater	Evaporative Losses	Net Volume of Water In Lagoon	Lagoon Area	Water Level	Water Depth	Groundwater head	cross-section Area
	m3	m3/d	m3/d	m3/d	m3/d	m3/d	m3/d	m3	m2	mAOD	m Above Base	m	m2
16/12/2018	648,314	950.00	200.92	469.76	507.50	-3.8877	115.85	649,307	122220.04	39.89	5.89	-4.89	-7393.44528
17/12/2018	649,307	950.00	201.07	469.70	507.50	-3.9046	115.94	650,300	122310.4	39.9	5.9	-4.9	-7410.368
18/12/2018	650,300	950.00	201.22	469.64	507.50	-3.9216	116.02	651,294	122400.76	39.91	5.91	-4.91	-7427.29808
19/12/2018	651,294	950.00	201.37	469.59	507.50	-3.9385	116.11	652,287	122400.76	39.91	5.91	-4.91	-7427.29808
20/12/2018	652,287	950.00	201.37	469.59	507.50	-3.9385	116.11	653,281	122491.12	39.92	5.92	-4.92	-7444.23552
21/12/2018	653,281	950.00	201.52	469.53	507.50	-3.9556	116.19	654,274	122581.48	39.93	5.93	-4.93	-7461.18032
22/12/2018	654,274	950.00	201.67	469.47	507.50	-3.9726	116.28	655,267	122671.84	39.94	5.94	-4.94	-7478.13248
23/12/2018	655,267	950.00	201.81	469.41	507.50	-3.9897	116.36	656,261	122762.2	39.95	5.95	-4.95	-7495.092
24/12/2018	656,261	950.00	201.96	469.36	507.50	-4.0069	116.45	657,254	122762.2	39.95	5.95	-4.95	-7495.092
25/12/2018	657,254	950.00	201.96	469.36	507.50	-4.0069	116.45	658,248	122852.56	39.96	5.96	-4.96	-7512.05888
26/12/2018	658,248	950.00	202.11	469.30	507.50	-4.0241	116.54	659,241	122942.92	39.97	5.97	-4.97	-7529.03312
27/12/2018	659,241	950.00	202.26	469.24	507.50	-4.0413	116.62	660,234	123033.28	39.98	5.98	-4.98	-7546.01472
28/12/2018	660,234	950.00	202.41	469.18	507.50	-4.0585	116.71	661,228	123123.64	39.99	5.99	-4.99	-7563.00368
29/12/2018	661,228	950.00	202.56	469.13	507.50	-4.0759	116.79	662,221	123123.64	39.99	5.99	-4.99	-7563.00368
30/12/2018	662,221	950.00	202.56	469.13	507.50	-4.0759	116.79	663,214	123123.64	39.99	5.99	-4.99	-7563.00368

144,400.00	71,293.94	60,234.26	185,745.00 -	1,533.22	89,317.55	89,317.55
				-	54,216.80	
				-	55,750.02	

Simulated Water Volume in New Field Lagoon

