Project Name: Lake Disappointment
Location: Cory Borefield - Water Analyses

			Sample date:	8/7/2017	17/6/2017		20/10/2016	13/05/2016	13/05/2016	2/05/2016	18/10/2016	13/05/2016	13/05/2016
			Client sample ID (1st):	LDRC1602	LDRC1601		LDRC1601	LDRC 1603	COREY BORE	LDRC 1602	LDRC 1602	RO FEED	LDRC 1604
			Client sample ID (2nd):	PE117954A	PE117558A		PE111594	EP1604303	EP1604303	EP1604303	PE111594	EP1604303	EP1604303
Analyte grouping / Analyte	**CAS Nu**	**Units**	**LOR**			**LOR**							
pH Value		pH Unit	0.1	8.0			8.0	8.09	7.93	8.1	8.0	8.12	8.06
Electrical Conductivity @25C		uS/cm	2	4000			4400	4290	4350	4320	4200	4410	5460
Total Dissolved Solids @ 180C		mg/L	10	2100			2500	2450	2500	2440	2400	2540	3150
Colour (True)		PCU	1					<1	<1	<1		<1	<1
pH Colour		pH Unit	0.01					7.84	7.7	7.96		8	7.86
Turbidity		NTU	0.1					3.8	0.6	2.4		1.5	7.7
Turbidity - Filtered		NTU	0.1					<0.1	<0.1	<0.1		0.2	<0.1
Total Hardness as CaCO3		mg/L	1					364	368	349		377	412
Hydroxide Alkalinity as CaCO3		mg/L	1					<1	<1	<1		<1	<1
Carbonate Alkalinity as CaCO3		mg/L	1	<1			<1	<1	<1	<1	<1	<1	<1
Bicarbonate Alkalinity as CaCO3		mg/L	5	240			290	195	204	204	250	210	218
Total Alkalinity as CaCO3		mg/L	5	200			230	195	204	204	210	210	218
Silicon as SiO2		mg/L	0.1					69.1	72.9	72.4		70.7	72.7
Sulphate as SO4 - Turbidimetric		mg/L	1	200			280	210	254	247	230	273	242
Chloride		mg/L	1	1100			1100	1010	1020	1040	1100	1040	1320
Fluoride		mg/L	0.1					1	1.1	1.1		1.1	1.1
Ammonia as N		mg/L	0.01					<0.01	0.11	0.03		<0.01	0.09
Nitrite as N		mg/L	0.01					0.07	<0.01	<0.01		<0.01	0.05
Nitrate as N		mg/L	0.01					7.26	9.49	7.94		9.4	7.77
Nitrite + Nitrate as N		mg/L	0.01					7.33	9.49	7.94		9.4	7.82
Total Anions		meq/L	0.01					36.8	38.1	38.6		39.2	46.6
Total Cations		meq/L	0.01					42.8	44.5	44.5		45.6	56.4
Ionic Balance		%	0.01					7.6	7.72	7.17		7.5	9.46
Calcium, Ca		mg/L	0.2	59	84	1	94	75	78	74	72	80	86
Magnesium, Mg		mg/L	0.1	33	43	1	45	43	42	40	37	43	48
Sodium, Na		mg/L	0.5	680	770	1	780	793	829	839	790	848	1080
Potassium, K		mg/L	0.1	32	40	1	38	41	44	41	33	46	46
Aluminium, Al		mg/L	0.005	<0.005	<0.005								
Arsenic, As		mg/L	0.001	0.000	0.003	0.001		0.002	0.002	0.002		0.002	0.002
Barium		mg/L	0.001			0.001		0.066	0.04	0.063		0.038	0.043
Boron, B		mg/L	0.005	0.680	0.840	0.05		0.74	0.9	0.75		0.88	0.8
Beryllium, Be		mg/L	0.001	<0.001	<0.001								
Cadmium, Cd		mg/L	0.0001	<0.0001	<0.0001	0.0001		<0.0001	<0.0001	<0.0001		<0.0001	<0.0001
Cobalt, Co		mg/L	0.001	<0.001	<0.001	0.001		0.001	0.001	<0.001		0.001	0.001
Chromium, Cr		mg/L	0.001	<0.001	<0.001	0.001		<0.001	0.001	<0.001		<0.001	0.001
Copper, Cu		mg/L	0.001	<0.001	<0.001	0.001		<0.001	0.001	<0.001		<0.001	<0.001
Iron, Fe		mg/L	0.005	<0.005	<0.005	0.05		<0.05	<0.05	<0.05		<0.05	<0.05
Manganese, Mn		mg/L	0.001	<0.001	0.009	0.001		0.006	<0.001	<0.001		<0.001	<0.001
Molybdenum, Mo		mg/L	0.001	<0.001	<0.001	0.001		<0.001	<0.001	<0.001		<0.001	<0.001
Nickel, Ni		mg/L	0.001	<0.001	<0.001								
Lead, Pb		mg/L	0.001	<0.001	<0.001	0.001		<0.001	<0.001	<0.001		<0.001	<0.001
Antimony, Sb		mg/L	0.001	<0.001	<0.001								
Selenium, Se		mg/L	0.001	0.002	0.003								
Strontium		mg/L	0.001			0.001		0.982	1.05	0.898		1.05	1.11
Thorium, Th		mg/L	0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, U		mg/L	0.001	0.007	0.012	0.001	0.003	0.007	0.008	0.007	0.007	0.009	0.009
Zinc, Zn		mg/L	0.005		<0.005								