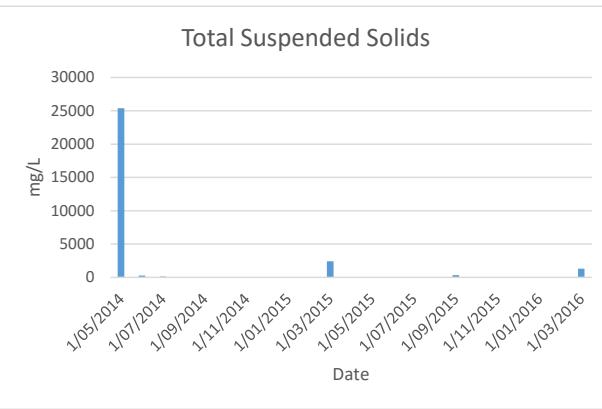
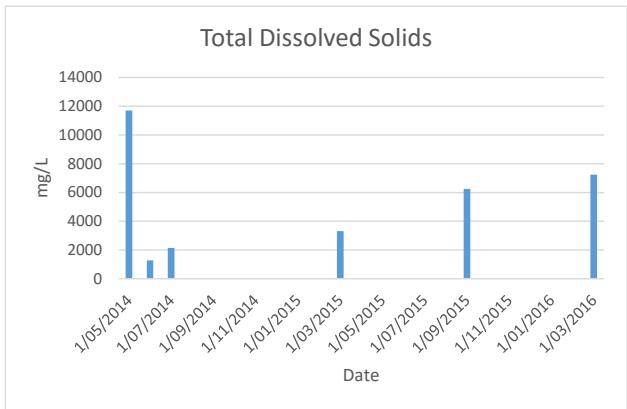
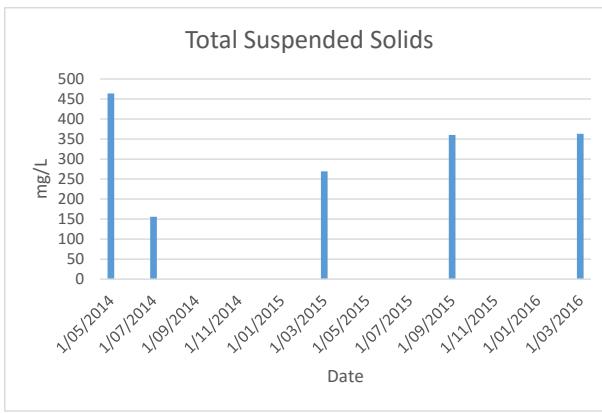
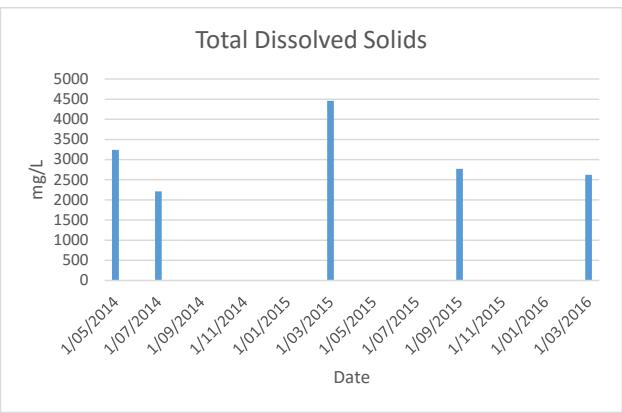




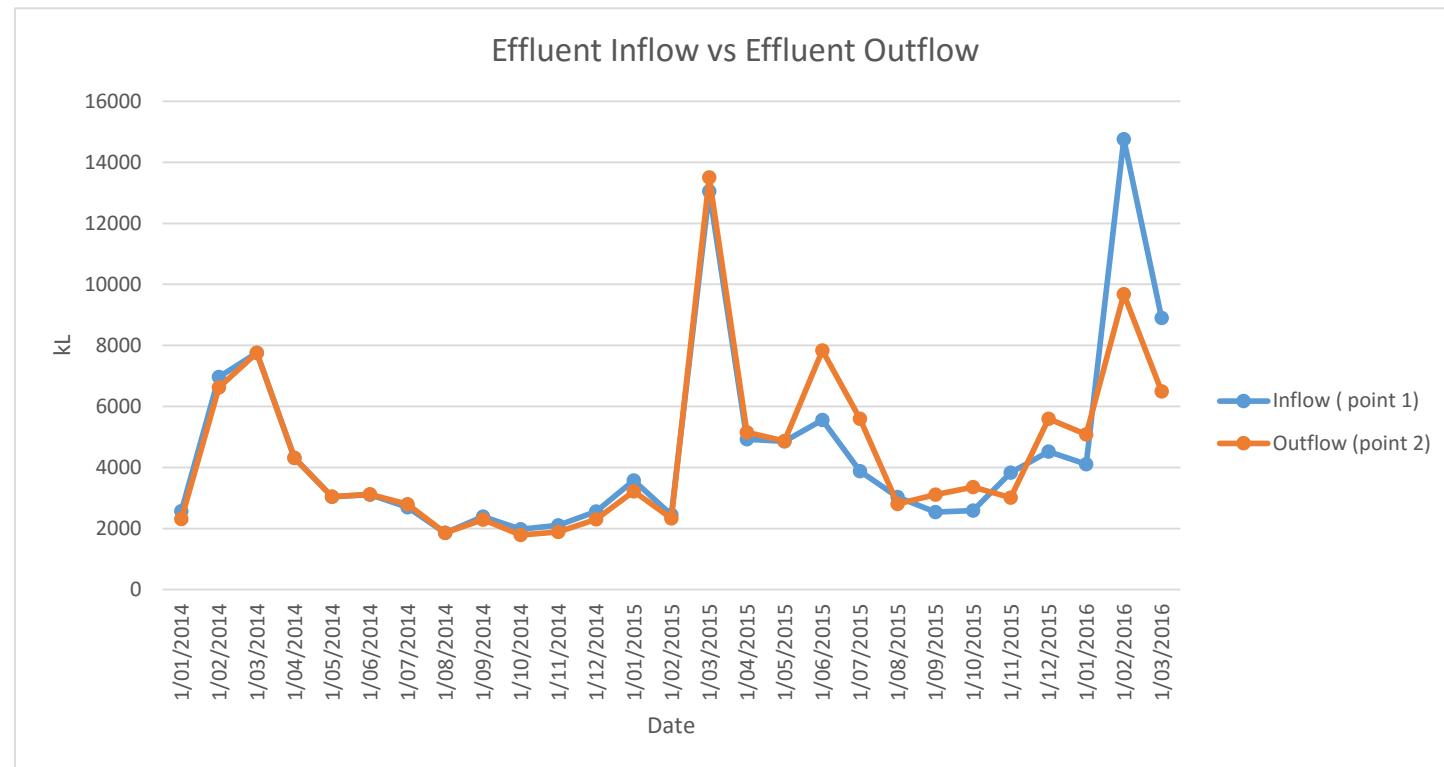
EPA ENVIRONMENTAL MONITORING

EPA Identification point number	Type of Monitoring Point	Type of Discharge Point	How Monitored	Location Description	Detail	Pollutant												
						EC μs/cm	Exch. Ca cmol(+)/kg	Exch. Mg cmol(+)/kg	Exch. K cmol(+)/kg	Exch. Na cmol(+)/kg	Nitrate mg/kg	N (total) mg/kg	pH	P (total) pH	K mg/kg	SAR	P sorption capacity mg/kg	
Point 11	Soil quality monitoring	Soil sample.	Soil control point "EPA 25" on site map.	Test unit of measure frequency sampling method														yearly composite sample
						ammonia mg/L	Ca mg/L	EC μs/cm	Mg mg/L	Nitrate N mg/L	N (total) mg/L	pH pH	P (total) mg/L	K mg/L	Na mg/L			spec. freq 1
Point 7	Groundwater quality monitoring. Standing water level monitoring	Groundwater sample. Groundwater level m'mnt.	Soil control point "EPA 3" on site map.	Test unit of measure frequency sampling method	Standing Water Level	metres every 6 months inspection	ammonia mg/L	Ca mg/L	EC μs/cm	Mg mg/L	Nitrate N mg/L	N (total) mg/L	pH pH	P (total) mg/L	K mg/L	Na mg/L		
																		representative sample
Point 8	Groundwater quality monitoring. Standing water level monitoring	Groundwater sample. Groundwater level m'mnt.	Soil control point "EPA 4" on site map.	Test unit of measure frequency sampling method	Standing Water Level	metres every 6 months inspection	ammonia mg/L	Ca mg/L	EC μs/cm	Mg mg/L	Nitrate N mg/L	N (total) mg/L	pH pH	P (total) mg/L	K mg/L	Na mg/L		
																		representative sample
Point 9	Groundwater quality monitoring. Standing water level monitoring	Groundwater sample. Groundwater level m'mnt.	Soil control point "EPA 5" on site map.	Test unit of measure frequency sampling method	Standing Water Level	metres every 6 months inspection	ammonia mg/L	Ca mg/L	EC μs/cm	Mg mg/L	Nitrate N mg/L	N (total) mg/L	pH pH	P (total) mg/L	K mg/L	Na mg/L		
																		representative sample
Point 10	Groundwater quality monitoring. Standing water level monitoring	Groundwater sample. Groundwater level m'mnt.	Soil control point "EPA 2" on site map.	Test unit of measure frequency sampling method	Standing Water Level	metres every 6 months inspection	ammonia mg/L	Ca mg/L	EC μs/cm	Mg mg/L	Nitrate N mg/L	N (total) mg/L	pH pH	P (total) mg/L	K mg/L	Na mg/L		
																		representative sample



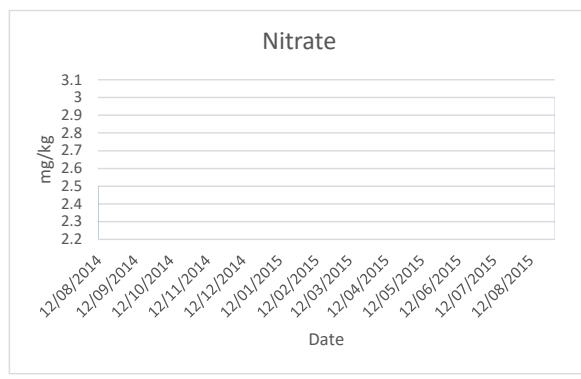
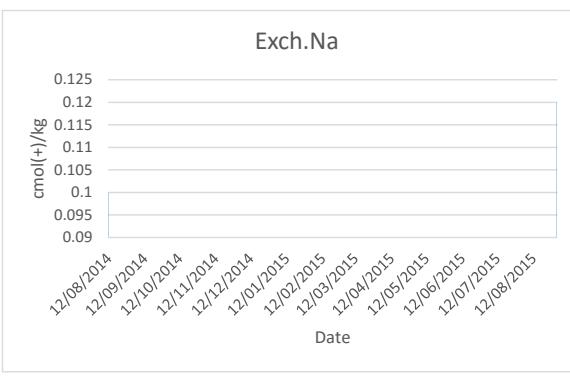
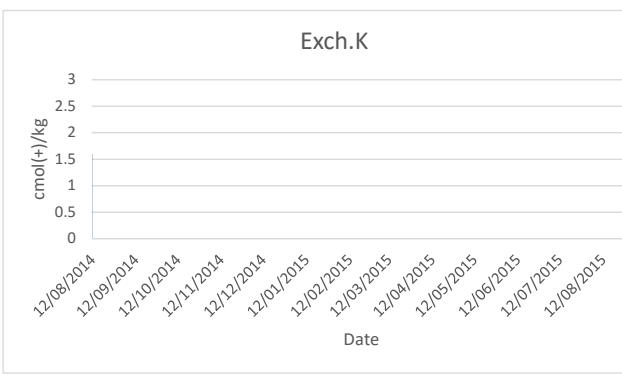
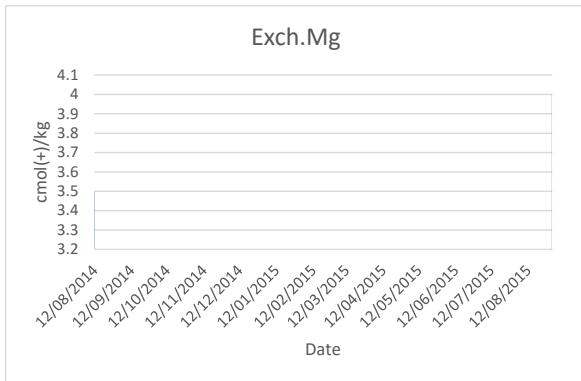
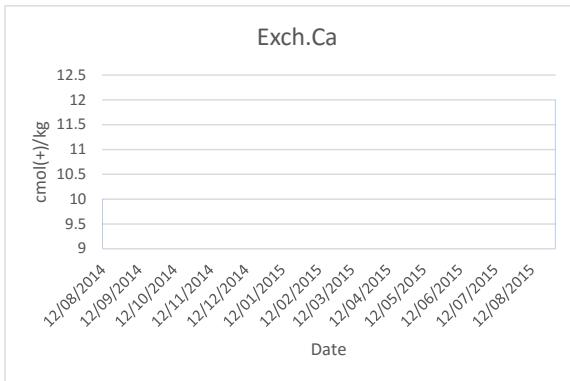
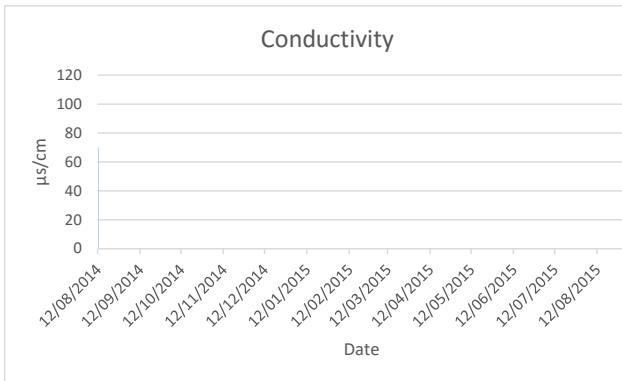


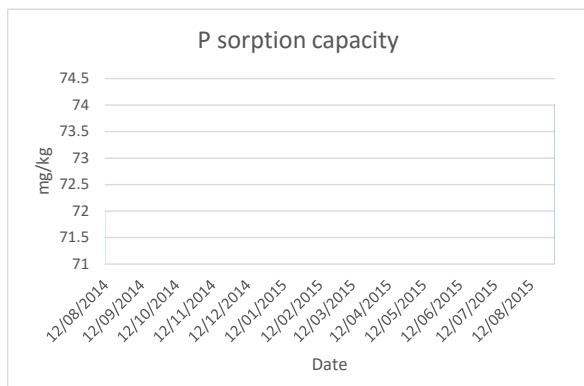
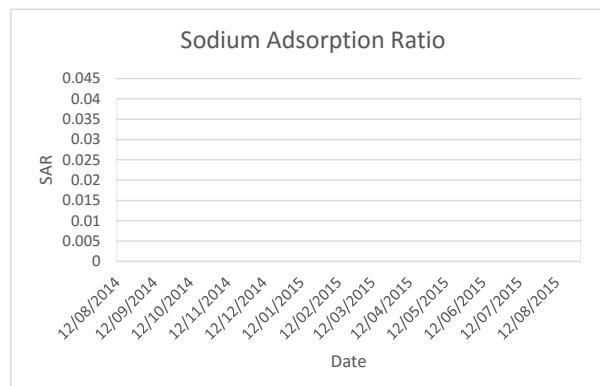
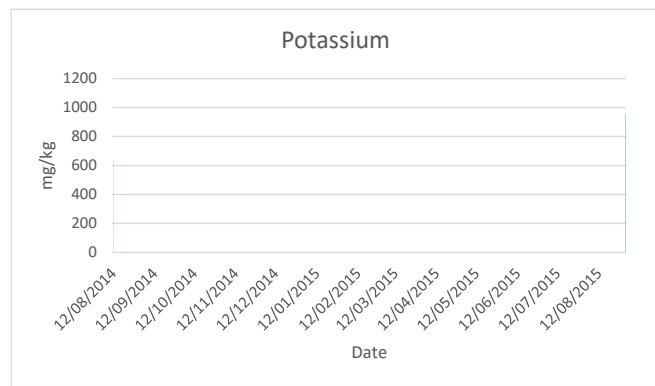
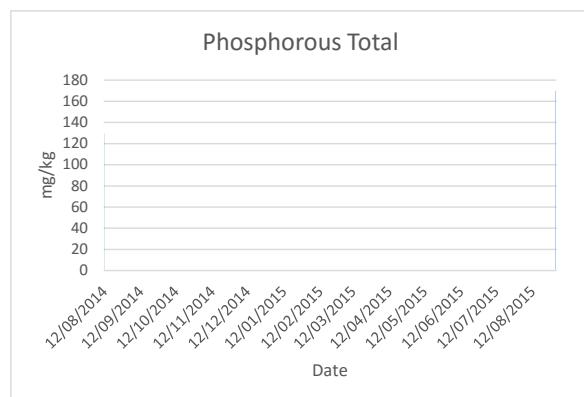
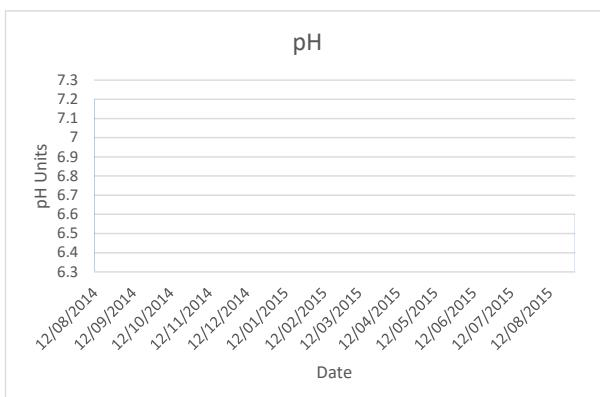
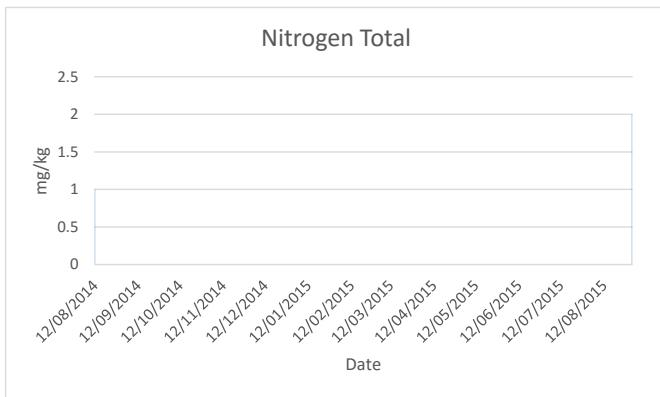
Date	Inflow (point 1)	Outflow (point 2)
27/01/2014	2566	2309
24/02/2014	6970	6622
31/03/2014	7760	7760
28/04/2014	4315	4316
26/05/2014	3043	3044
30/06/2014	3110	3122
28/07/2014	2698	2798
25/08/2014	1854	1854
29/09/2014	2391	2290
27/10/2014	1979	1787
24/11/2014	2100	1890
29/12/2014	2554	2300
26/01/2015	3578	3220
23/02/2015	2451	2330
30/03/2015	13047	13503
27/04/2015	4927	5155
25/05/2015	4858	4865
29/06/2015	5558	7839
27/07/2015	3882	5593
31/08/2015	3027	2800
28/09/2015	2543	3110
26/10/2015	2584	3360
30/11/2015	3826	3010
31/12/2015	4524	5600
31/01/2016	4110	5080
29/02/2016	14760	9680
31/03/2016	8900	6490



Point 3

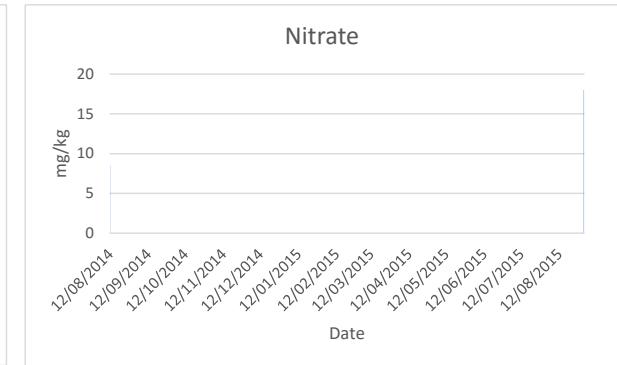
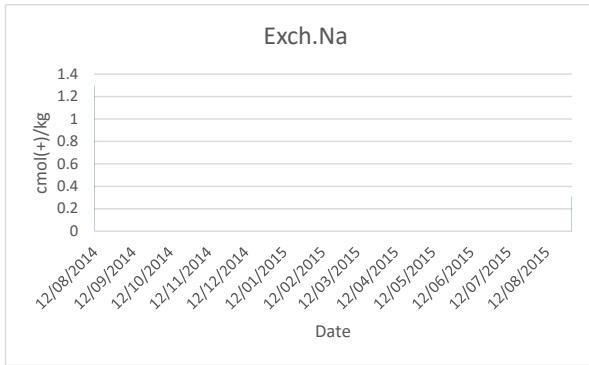
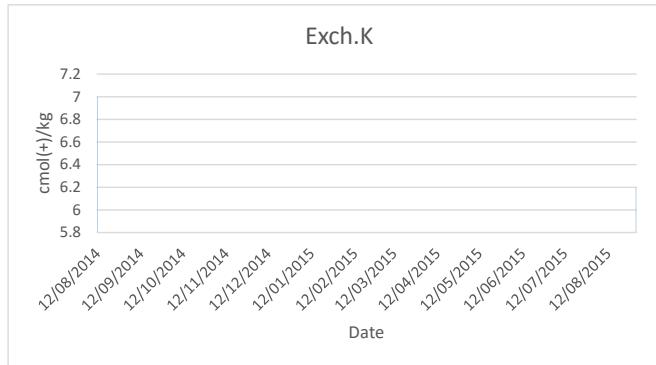
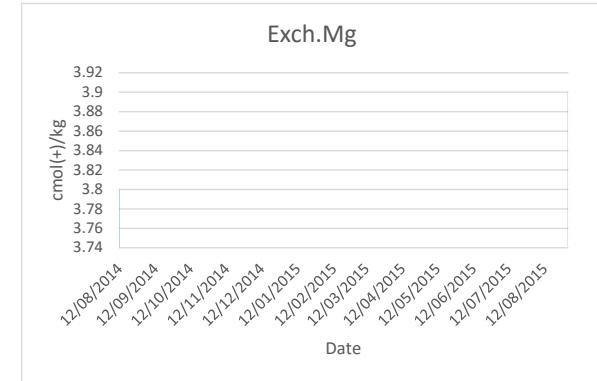
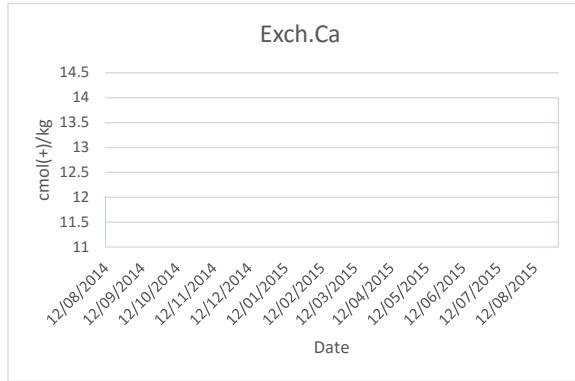
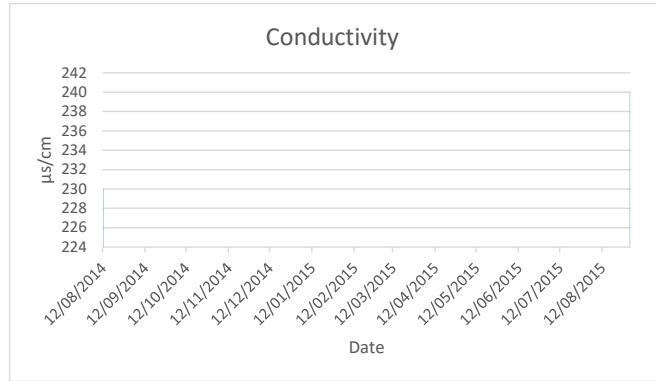
type	test	units	Date													
			12/08/2014	1/09/2015												
quality monitoring	EC	µs/cm	70	100												
quality monitoring	Exch. Ca	cmol(+)/kg	10	12												
quality monitoring	Exch. Mg	cmol(+)/kg	3.5	4												
quality monitoring	Exch. K	cmol(+)/kg	1.6	2.5												
quality monitoring	Exch. Na	cmol(+)/kg	0.1	0.12												
quality monitoring	Nitrate	mg/kg	2.5	3												
quality monitoring	N (total)	mg/kg	1	2												
quality monitoring	pH	pH	7.2	6.6												
quality monitoring	P (total)	mg/kg	130	170												
quality monitoring	K	mg/kg	640	960												
quality monitoring	SAR	SAR	0.04	0.04												
quality monitoring	P sorption capacity	mg/kg	72	74												

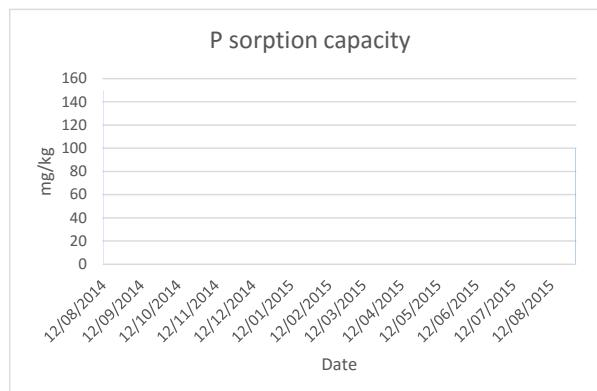
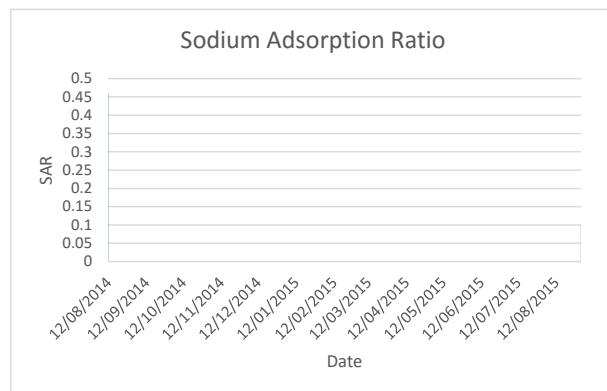
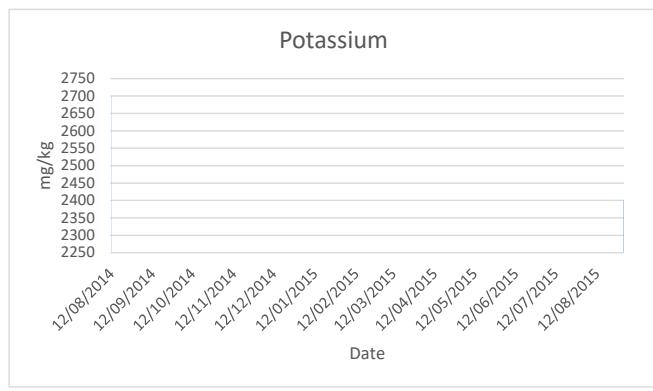
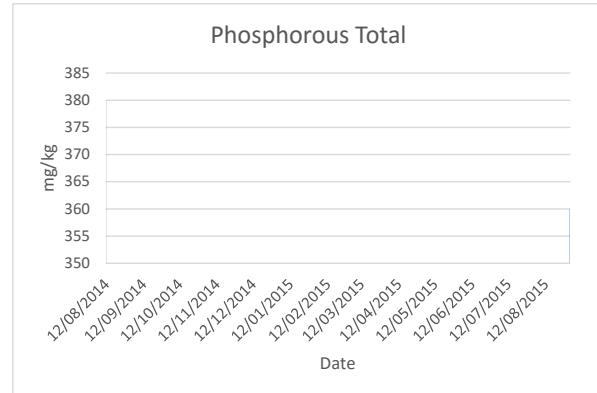
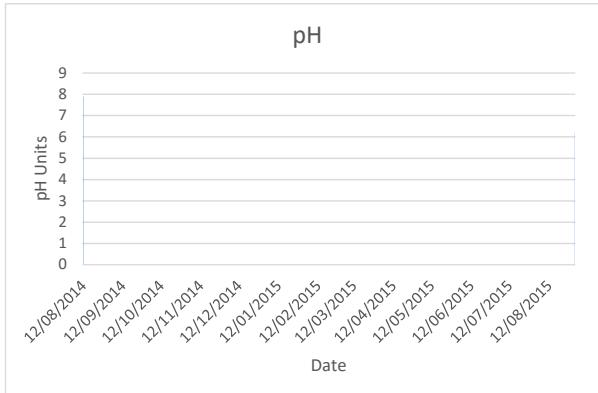
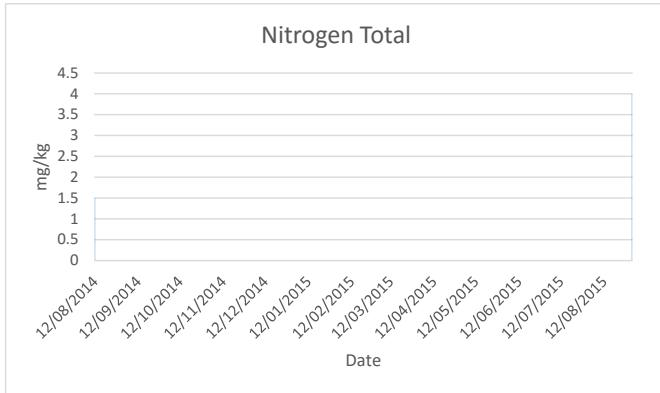




Point 4

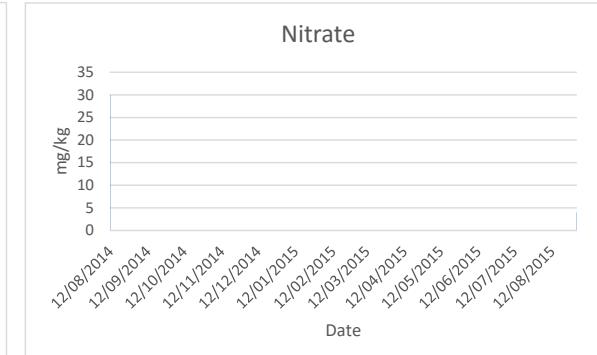
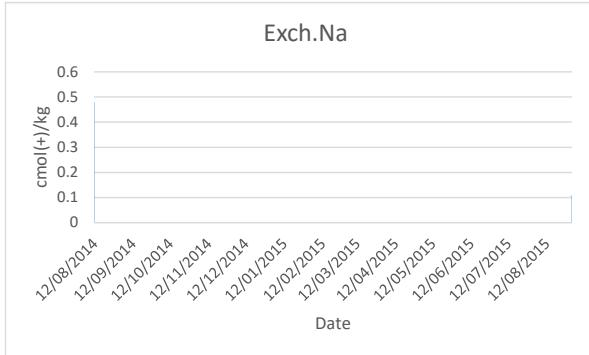
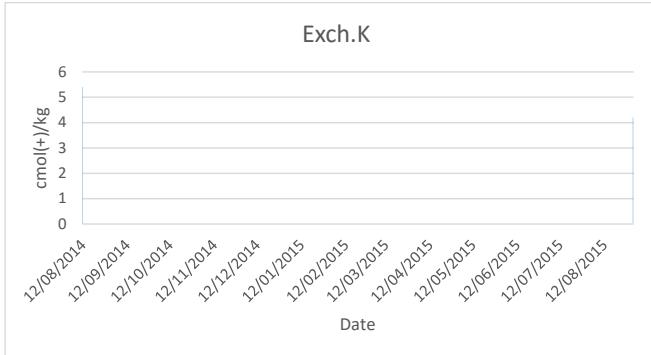
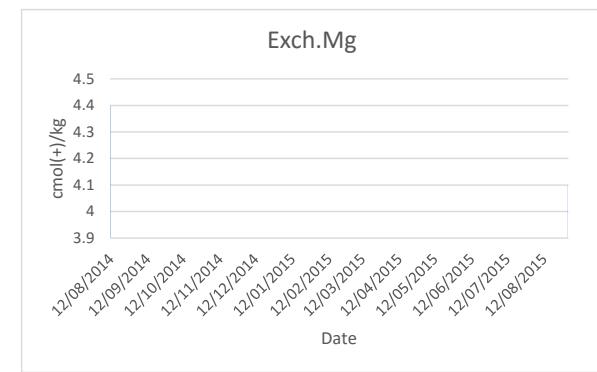
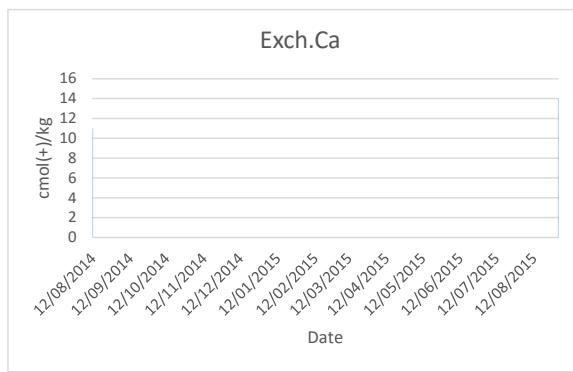
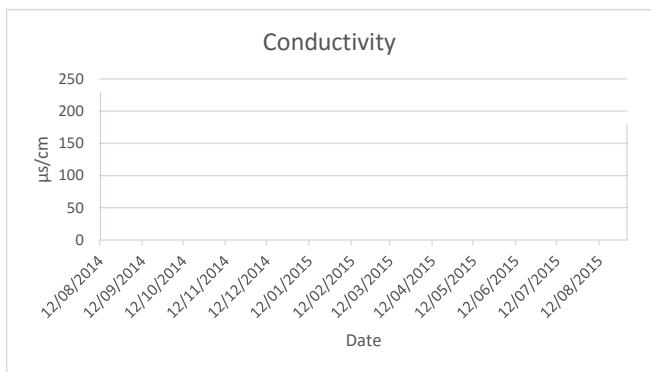
type	test	units	Date														
			12/08/2014	1/09/2015													
quality monitoring	EC	$\mu\text{s}/\text{cm}$	230	240													
quality monitoring	Exch. Ca	cmol(+)/kg	12	14													
quality monitoring	Exch. Mg	cmol(+)/kg	3.8	3.9													
quality monitoring	Exch. K	cmol(+)/kg	7	6.2													
quality monitoring	Exch. Na	cmol(+)/kg	1.3	0.31													
quality monitoring	Nitrate	mg/kg	8.5	18													
quality monitoring	N (total)	mg/kg	1.5	4													
quality monitoring	pH	pH	7.9	6.2													
quality monitoring	P (total)	mg/kg	380	360													
quality monitoring	K	mg/kg	2700	2400													
quality monitoring	SAR	SAR	0.46	0.1													
quality monitoring	P sorption capacity	mg/kg	150	100													

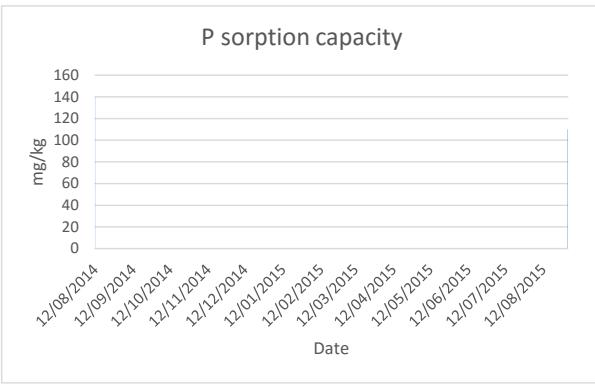
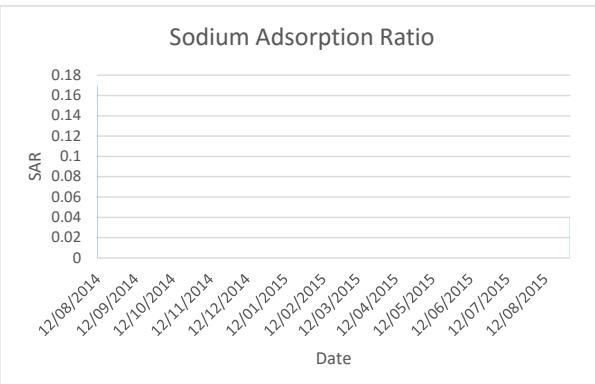
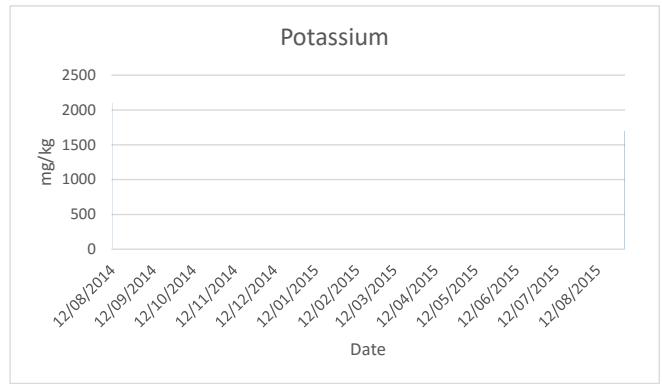
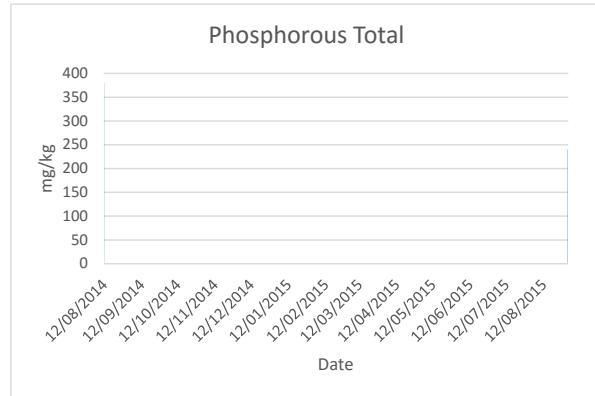
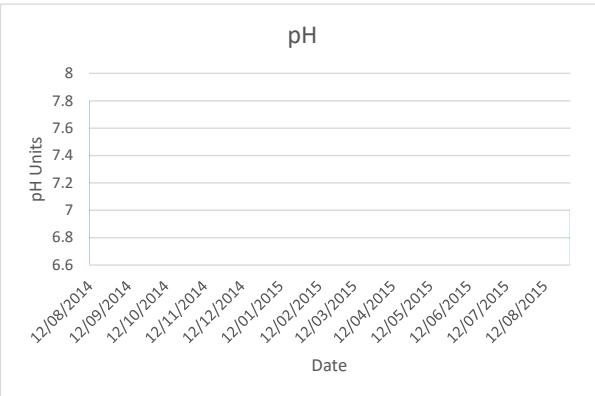
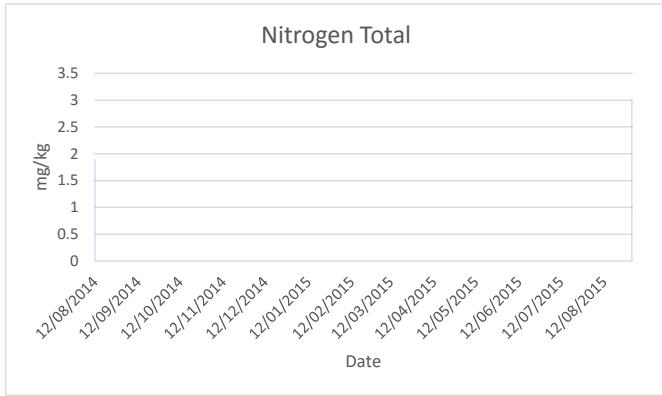




Point 5

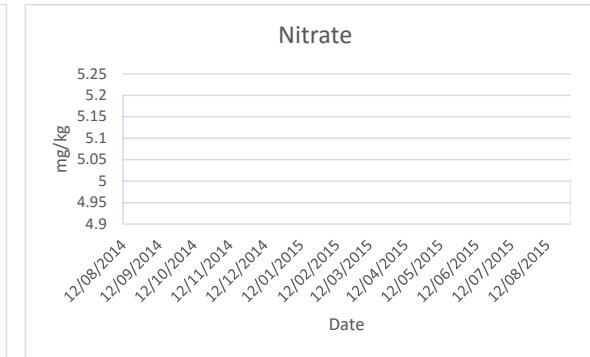
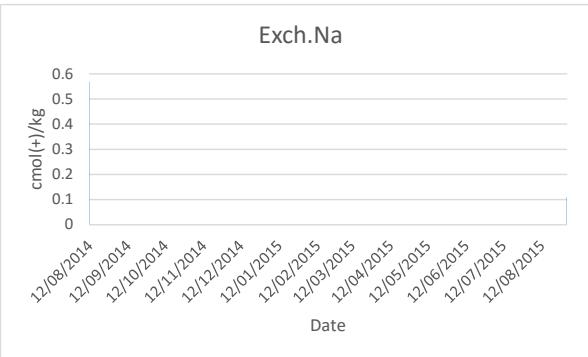
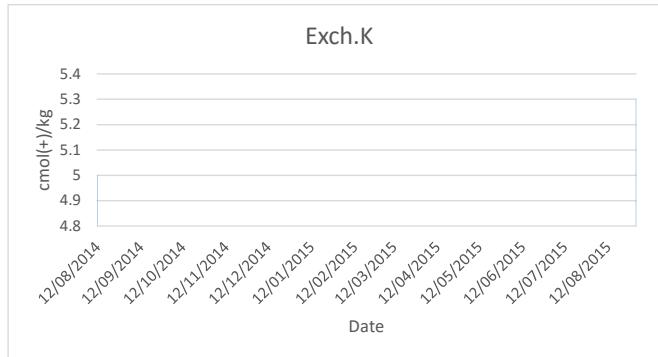
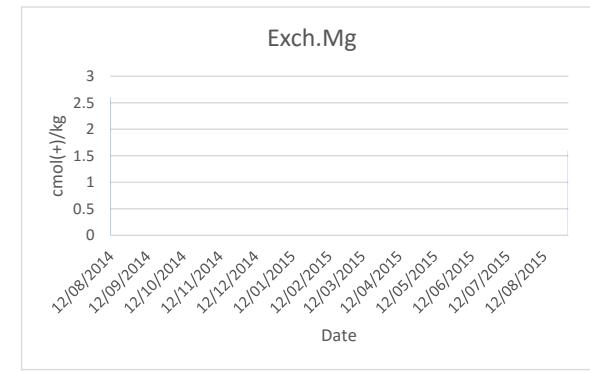
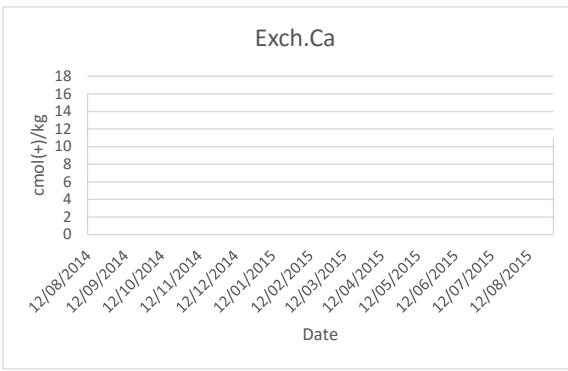
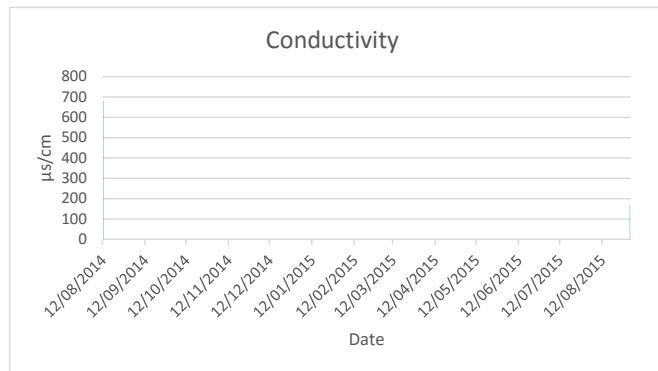
type	test	units	Date														
			12/08/2014	1/09/2015													
quality monitoring	EC	µs/cm	230	180													
quality monitoring	Exch. Ca	cmol(+)/kg	11	14													
quality monitoring	Exch. Mg	cmol(+)/kg	4.4	4.1													
quality monitoring	Exch. K	cmol(+)/kg	5.4	4.2													
quality monitoring	Exch. Na	cmol(+)/kg	0.48	0.11													
quality monitoring	Nitrate	mg/kg	30	4													
quality monitoring	N (total)	mg/kg	1.9	3													
quality monitoring	pH	pH	7.8	7													
quality monitoring	P (total)	mg/kg	380	240													
quality monitoring	K	mg/kg	2100	1700													
quality monitoring	SAR	SAR	0.17	0.04													
quality monitoring	P sorption capacity	mg/kg	140	110													

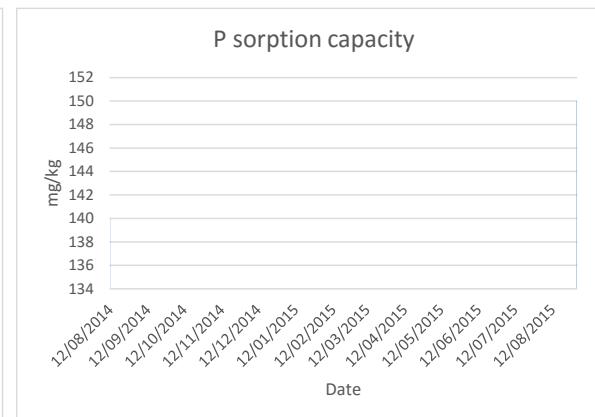
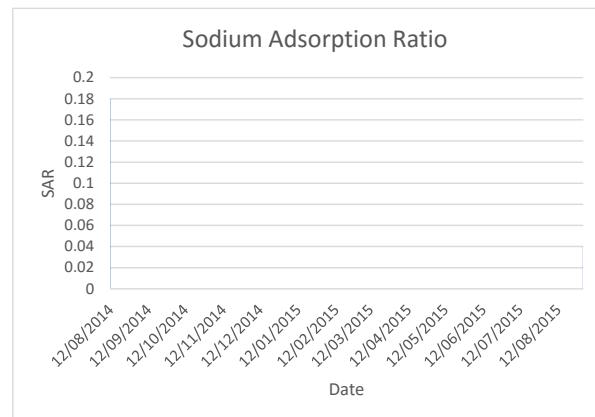
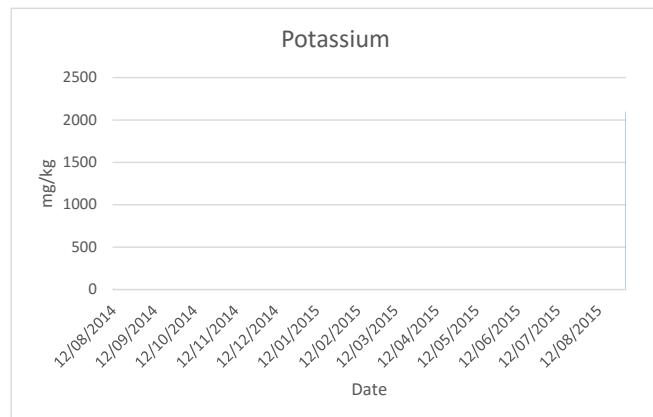
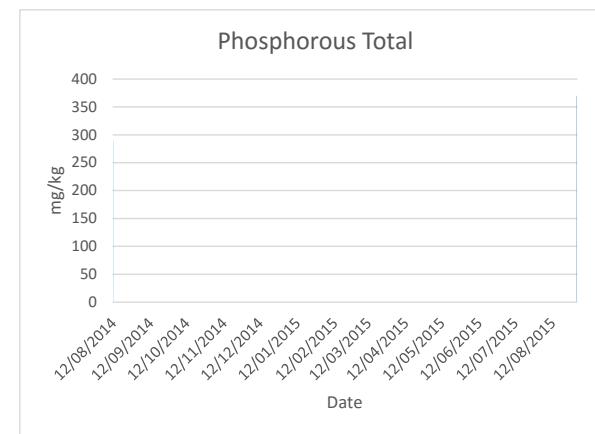
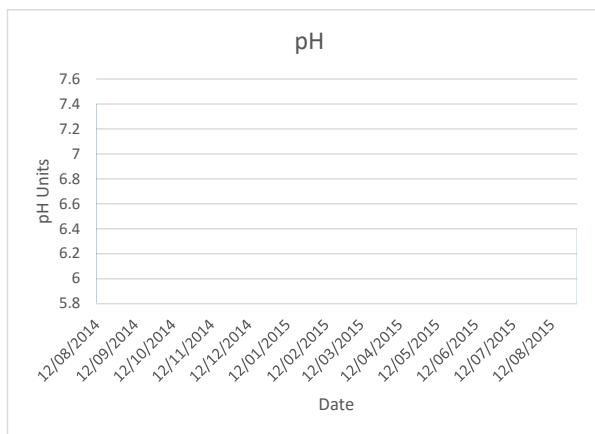
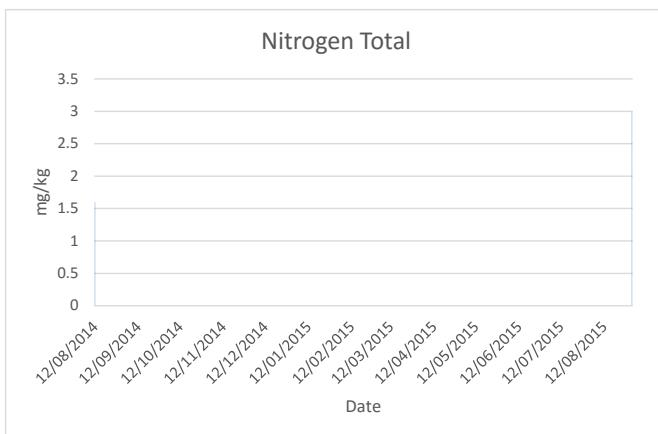




Point 6

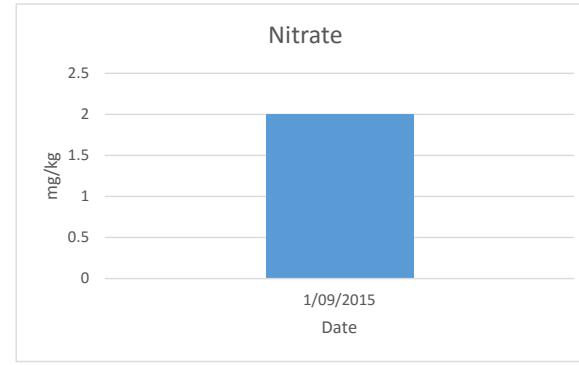
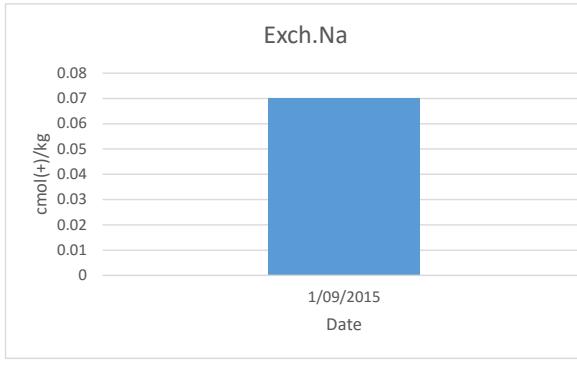
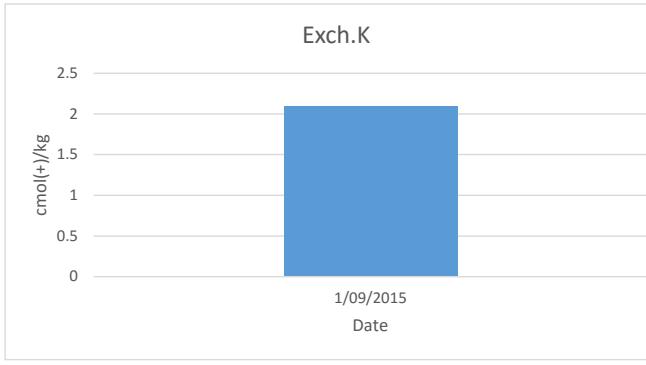
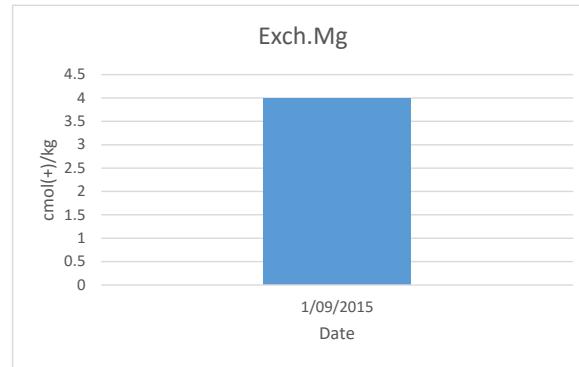
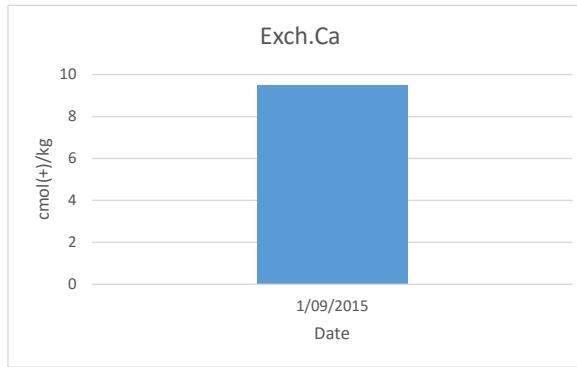
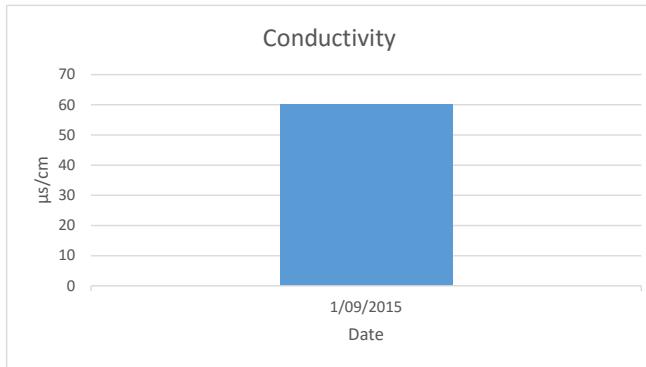
type	test	units	Date													
			12/08/2014	1/09/2015												
quality monitoring	EC	µs/cm	680	170												
quality monitoring	Exch. Ca	cmol(+)/kg	16	11												
quality monitoring	Exch. Mg	cmol(+)/kg	2.6	1.6												
quality monitoring	Exch. K	cmol(+)/kg	5	5.3												
quality monitoring	Exch. Na	cmol(+)/kg	0.57	0.11												
quality monitoring	Nitrate	mg/kg	5.2	5												
quality monitoring	N (total)	mg/kg	1.6	3												
quality monitoring	pH	pH	7.4	6.4												
quality monitoring	P (total)	mg/kg	290	370												
quality monitoring	K	mg/kg	21	2100												
quality monitoring	SAR	SAR	0.18	0.04												
quality monitoring	P sorption capacity	mg/kg	140	150												

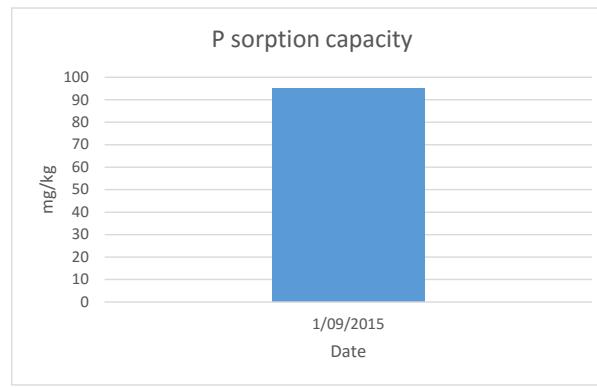
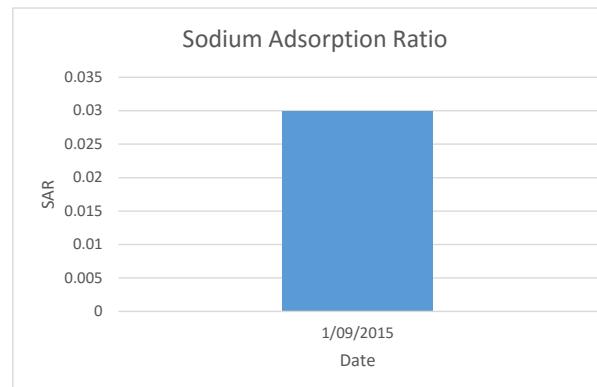
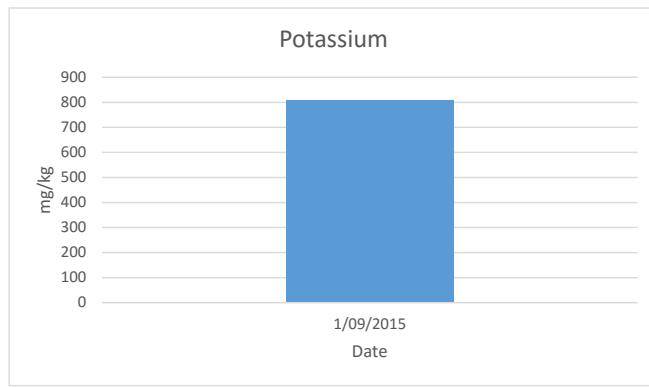
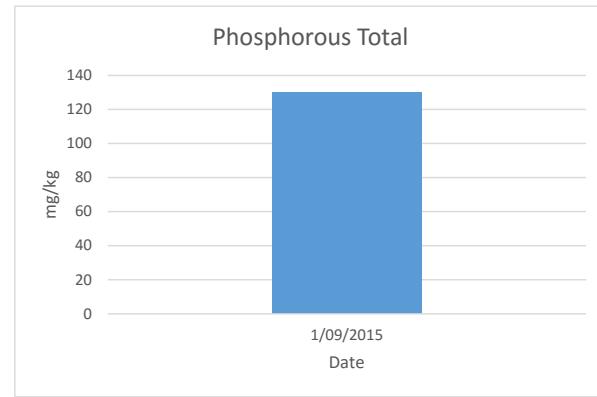
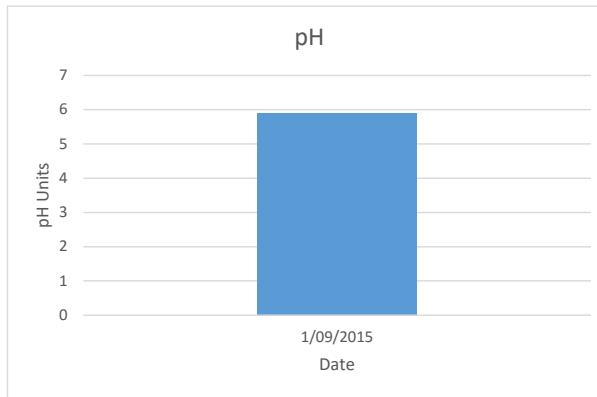
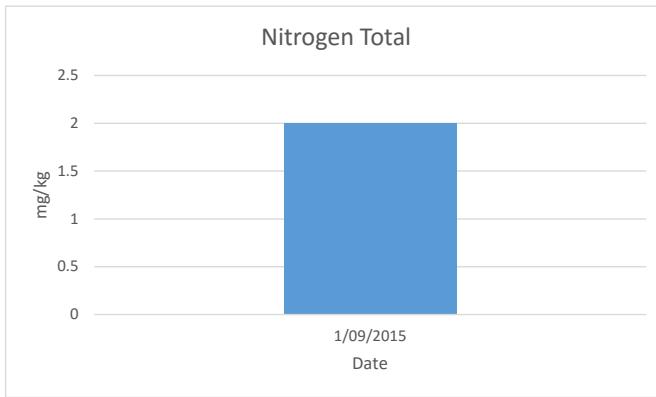




Point 11

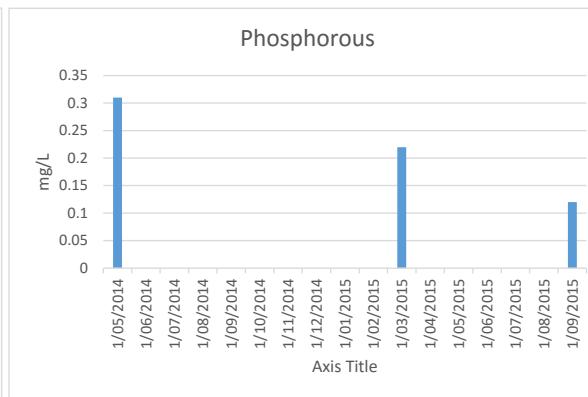
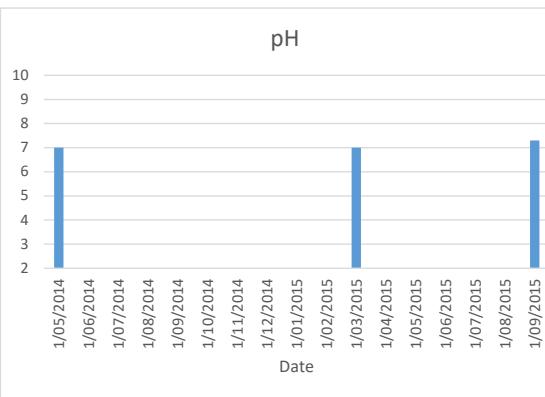
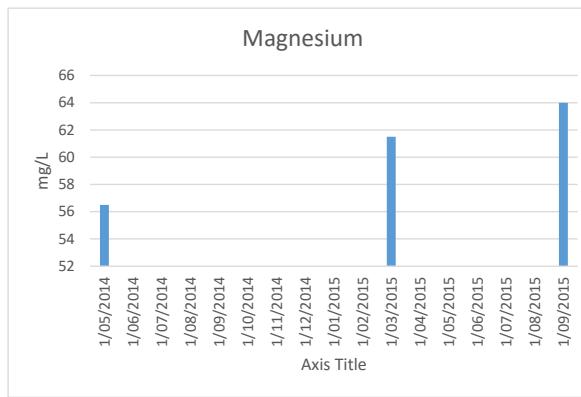
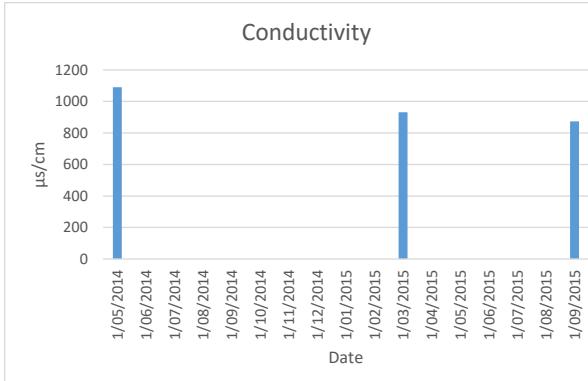
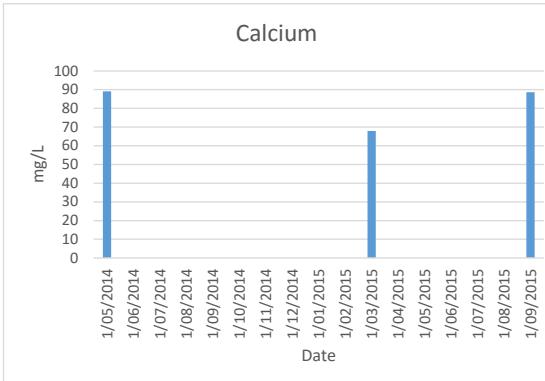
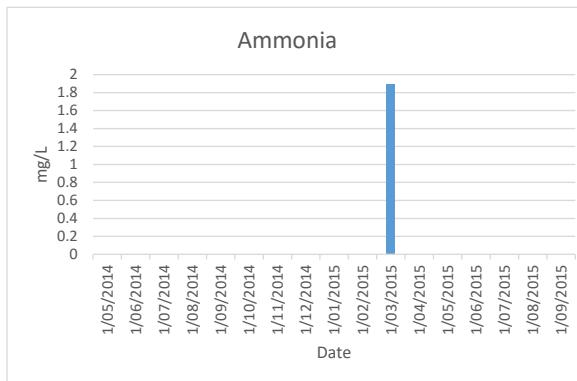
type	test	units	Date													
			1/09/2015													
quality monitoring	EC	µs/cm	60													
quality monitoring	Exch. Ca	cmol(+)/kg	9.5													
quality monitoring	Exch. Mg	cmol(+)/kg	4													
quality monitoring	Exch. K	cmol(+)/kg	2.1													
quality monitoring	Exch. Na	cmol(+)/kg	0.07													
quality monitoring	Nitrate	mg/kg	2													
quality monitoring	N (total)	mg/kg	2													
quality monitoring	pH	pH	5.9													
quality monitoring	P (total)	mg/kg	130													
quality monitoring	K	mg/kg	810													
quality monitoring	SAR	SAR	0.03													
quality monitoring	P sorption capacity	mg/kg	95													

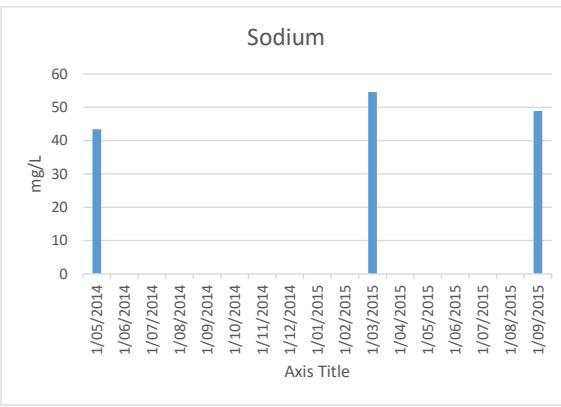
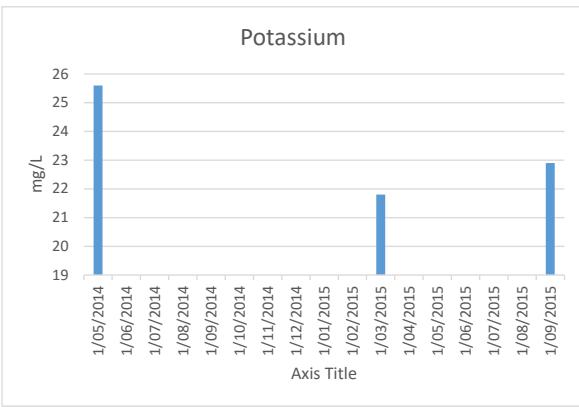




Point 7

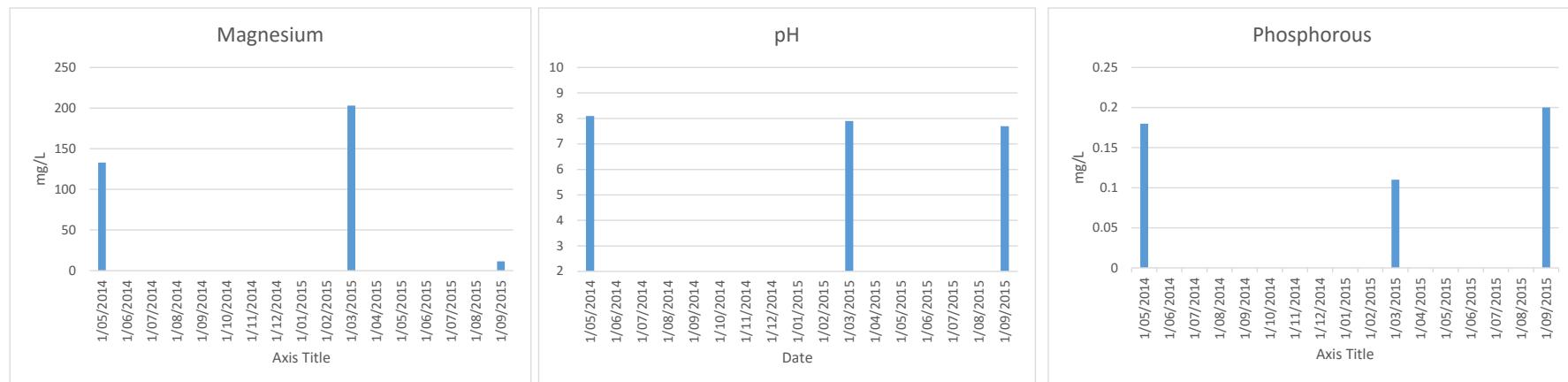
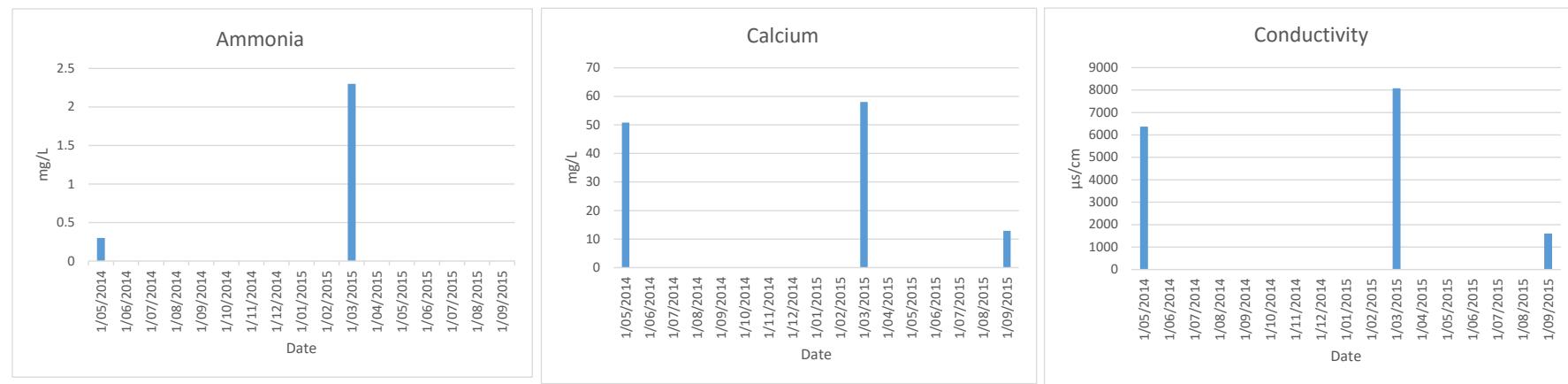
type	test	units	Date			
			6/05/2014	11/03/2015	22/09/2015	
quality monitoring	ammonia	mg/L	<0.2	1.9	<0.2	
quality monitoring	Ca	mg/L	89.1	67.9	88.6	
quality monitoring	EC	μs/cm	1090	931	874	
quality monitoring	Mg	mg/L	56.5	61.5	64	
quality monitoring	N(nitrate)	mg/L	<0.5	<1	<0.5	
quality monitoring	N(total)	mg/L	2	<2	2	
quality monitoring	pH	pH	7	7	7.3	
quality monitoring	P	mg/L	0.31	0.22	0.12	
quality monitoring	K	mg/L	25.6	21.8	22.9	
quality monitoring	Na	mg/L	43.4	54.6	48.9	

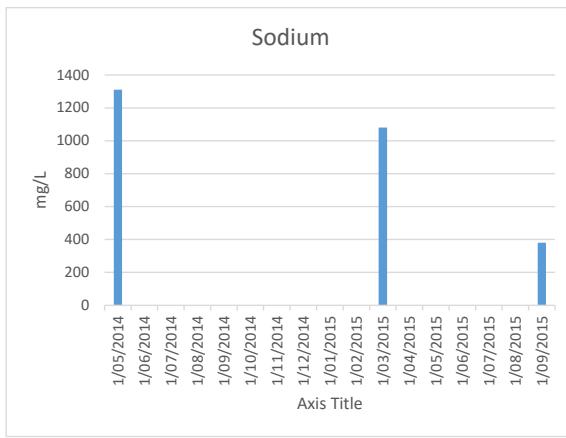
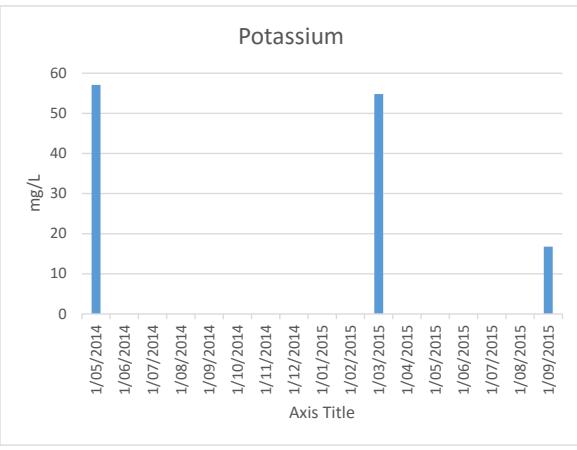




Point 8

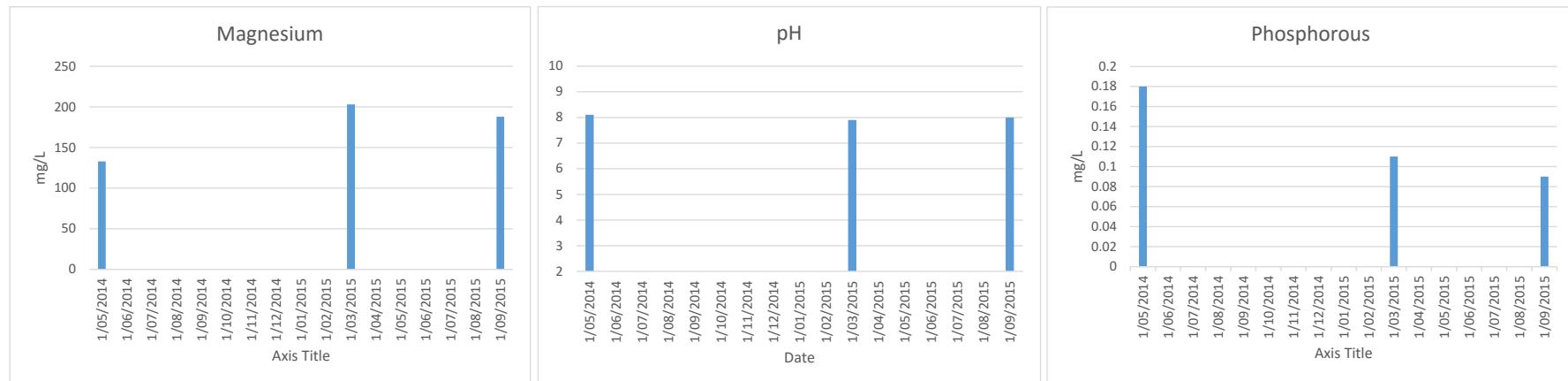
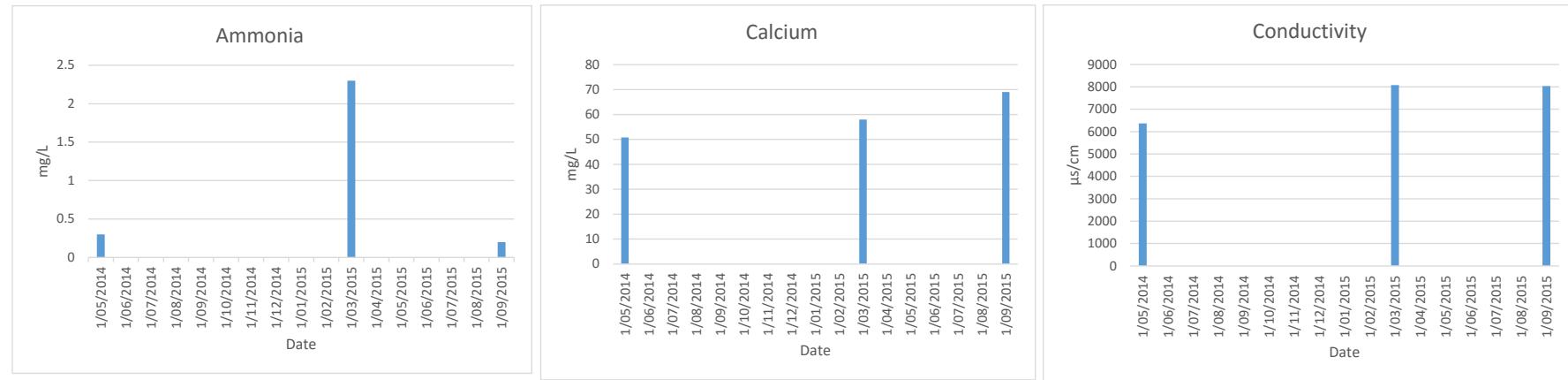
type	test	units	Date			
			6/05/2014	11/03/2015	22/09/2015	
quality monitoring	ammonia	mg/L	0.3	2.3	<0.2	
quality monitoring	Ca	mg/L	50.8	58	12.9	
quality monitoring	EC	µs/cm	6370	8080	1600	
quality monitoring	Mg	mg/L	133	203	11.4	
quality monitoring	N(nitrate)	mg/L	<0.5	<1.0	<0.5	
quality monitoring	N(total)	mg/L	2	<2	2	
quality monitoring	pH	pH	8.1	7.9	7.7	
quality monitoring	P	mg/L	0.18	0.11	0.2	
quality monitoring	K	mg/L	57.1	54.8	16.8	
quality monitoring	Na	mg/L	1310	1080	380	

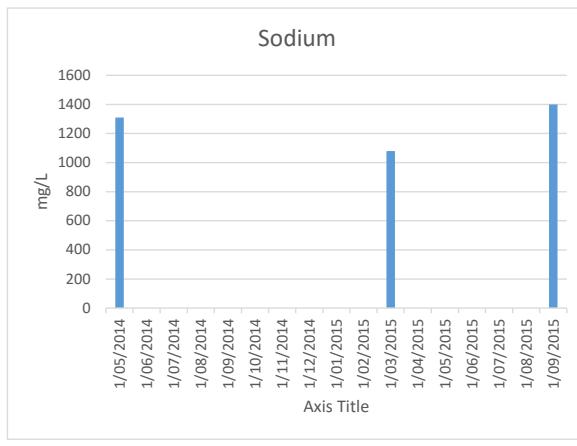
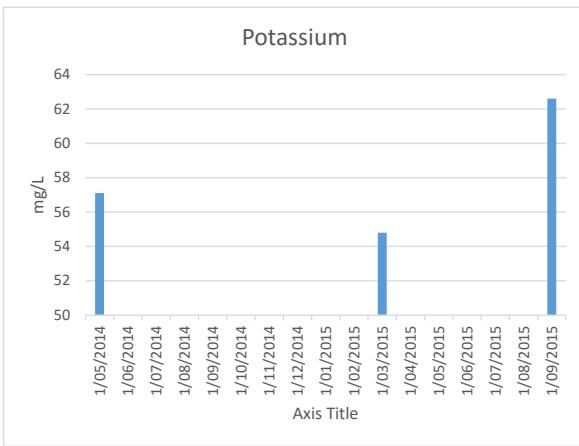




Point 9

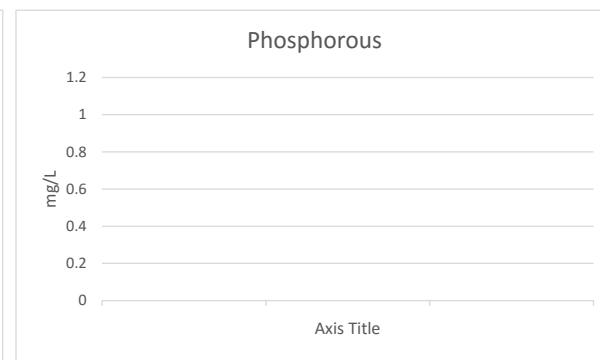
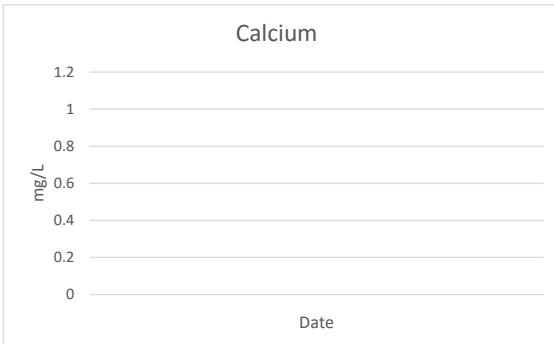
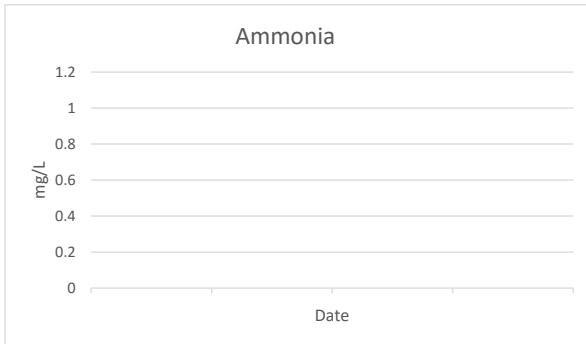
type	test	units	Date			
			6/05/2014	11/03/2015	22/09/2015	
quality monitoring	ammonia	mg/L	0.3	2.3	0.2	
quality monitoring	Ca	mg/L	50.8	58	69	
quality monitoring	EC	µs/cm	6370	8080	8030	
quality monitoring	Mg	mg/L	133	203	188	
quality monitoring	N(nitrate)	mg/L	<0.5	<1	<0.5	
quality monitoring	N(total)	mg/L	2	<2	<2	
quality monitoring	pH	pH	8.1	7.9	8	
quality monitoring	P	mg/L	0.18	0.11	0.09	
quality monitoring	K	mg/L	57.1	54.8	62.6	
quality monitoring	Na	mg/L	1310	1080	1400	

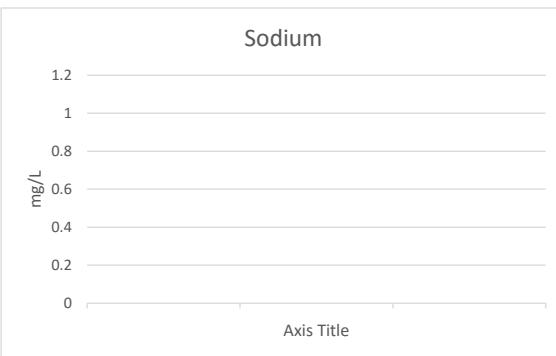
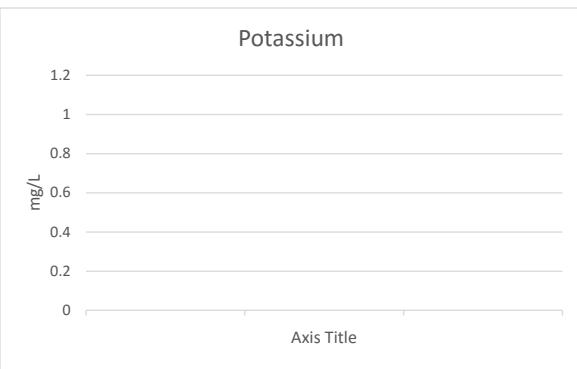




Point 10**Date**

type	test	units																	
quality monitoring	ammonia	mg/L																	
quality monitoring	Ca	mg/L																	
quality monitoring	EC	µs/cm																	
quality monitoring	Mg	mg/L																	
quality monitoring	N(nitrate)	mg/L																	
quality monitoring	N(total)	mg/L																	
quality monitoring	pH	pH																	
quality monitoring	P	mg/L																	
quality monitoring	K	mg/L																	
quality monitoring	Na	mg/L																	





EPA ENVIRONMENTAL MONITORING

Type of Monitoring Point	How Monitored	Location Description	Frequency
Odour	Odour Intensity and Descriptor Sheet; observation.	Boundary of evaporation ponds "EPA 21" & "EPA 22" on site map.	Daily (working days)

Type of Monitoring Point	How Monitored	Location Description	Frequency
Weather conditions other than rainfall - temperature, wind speed, wind direction, humidity	Handheld weather meter	Boundary of evaporation ponds "EPA 21" & "EPA 22" on site map.	Daily (working days)

Type of Monitoring Point	How Monitored	Location Description	Frequency
Rainfall	Rain gauge	Boundary of evaporation ponds "EPA 21" & "EPA 22" on site map.	Daily (working days)

Type of Monitoring Point	How Monitored	Location Description	Frequency
Biosolids Cake	Biosolids sample, laboratory analysis	Evaporation ponds sludge	As required

Test Type	EPA Reference Points	Frequency of Monitoring	Next Sample Date
Soil quality monitoring	3, 4, 5, 6, 11	Annual	1/09/2016
Groundwater quality monitoring	7, 8, 9, 10	Annual	11/03/2016
Groundwater standing level	7, 8, 9, 10	6 monthly	16/03/2016
Effluent quality monitoring: inflow and outflow	1, 2	6 monthly	15/03/2016
Effluent volume monitoring: inflow and outflow	1,2	Monthly	28/10/2015