



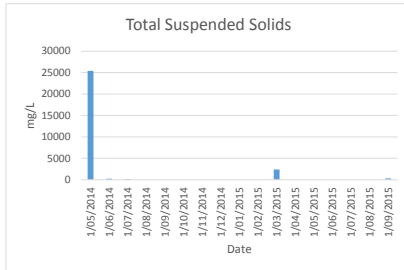
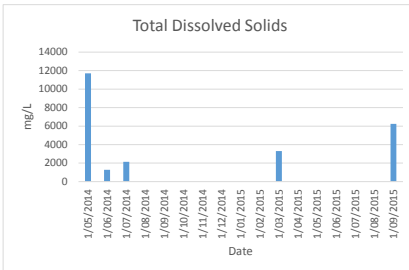
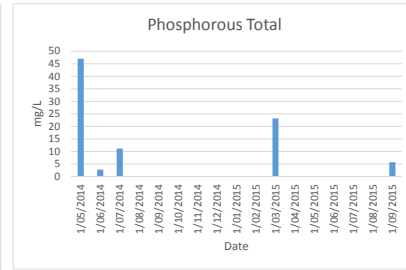
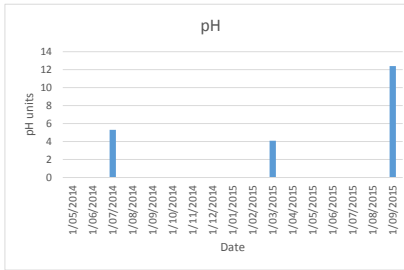
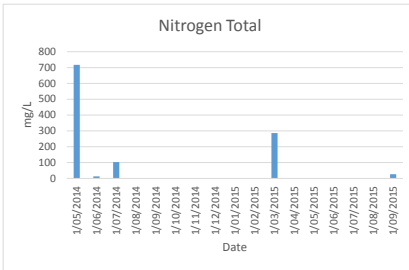
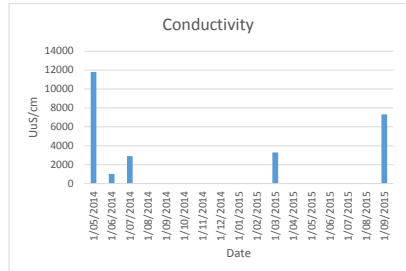
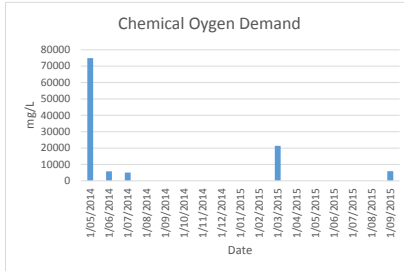
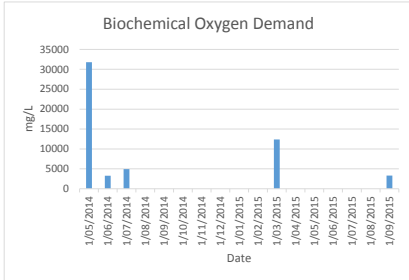
## EPA ENVIRONMENTAL MONITORING

| MANDATORY MONITORING            |  |  |  |  |                 |                             |                       |            |            |            |            |           |           |      |           |       |     |                     |  |              |
|---------------------------------|--|--|--|--|-----------------|-----------------------------|-----------------------|------------|------------|------------|------------|-----------|-----------|------|-----------|-------|-----|---------------------|--|--------------|
| EPA Identification point number | Type of Monitoring Point   | Type of Discharge Point  | How Monitored  | Location Description                                 | Detail          | Volume                      | Pollutant             |            |            |            |            |           |           |      |           |       |     |                     |  |              |
| <a href="#">Point 1</a>         | Volume monitoring. Effluent quality monitoring.                                | Volume monitoring. Effluent quality monitoring.                                | Volume: flowmeter & cont. logger.<br>Quality: effluent sample. | Inflow to evaporation ponds "EPA 19" on site map.    | Test            |                             | BOD                   | COD        | EC         | N (total)  | pH         | P (total) | SAR       | TDS  | TSS       |       |     |                     |  |              |
|                                 |  |  |  |  | unit of measure | kilolitres                  | mg/L                  | mg/L       | µs/cm      | mg/L       | pH         | mg/L      | SAR       | mg/L | mg/L      |       |     |                     |  |              |
|                                 |  |  |  |  | frequency       | continuous during discharge | every 6 months        |            |            |            |            |           |           |      |           |       |     |                     |  |              |
|                                 |  |  |  |  | sampling method | flow meter & cont. logger   | representative sample |            |            |            |            |           |           |      |           |       |     |                     |  |              |
| <a href="#">Point 2</a>         | Discharge to utilisation area. Volume monitoring. Effluent quality monitoring. | Discharge to utilisation area. Volume monitoring. Effluent quality monitoring. | Volume: flowmeter.<br>Quality: effluent sample.                | Outflow from evaporation ponds "EPA 20" on site map. | Test            |                             | BOD                   | COD        | EC         | N (total)  | pH         | P (total) | SAR       | TDS  | TSS       |       |     |                     |  |              |
|                                 |  |  |  |  | unit of measure | kilolitres                  | mg/L                  | mg/L       | µs/cm      | mg/L       | pH         | mg/L      | SAR       | mg/L | mg/L      |       |     |                     |  |              |
|                                 |  |  |  |  | frequency       | continuous during discharge | every 6 months        |            |            |            |            |           |           |      |           |       |     |                     |  |              |
|                                 |  |  |  |  | sampling method | flow meter                  | representative sample |            |            |            |            |           |           |      |           |       |     |                     |  |              |
| <a href="#">Point 3</a>         | Soil quality monitoring  |  | Soil sample.   | Soil control point "EPA 12" on site map.             | Test            |                             | EC                    | Exch. Ca   | Exch. Mg   | Exch. K    | Exch. Na   | Nitrate   | N (total) | pH   | P (total) | K     | SAR | P sorption capacity |  |              |
|                                 |  |  |  |  | unit of measure | µs/cm                       | mmol(+)/kg            | mmol(+)/kg | mmol(+)/kg | mmol(+)/kg | mmol(+)/kg | mg/kg     | mg/kg     | pH   | mg/kg     | mg/kg | SAR | mg/kg               |  |              |
|                                 |  |  |  |  | frequency       |                             | yearly                |            |            |            |            |           |           |      |           |       |     |                     |  | spec. freq 1 |
|                                 |  |  |  |  | sampling method |                             | composite sample      |            |            |            |            |           |           |      |           |       |     |                     |  |              |
| <a href="#">Point 4</a>         | Soil quality monitoring  |  | Soil sample.   | Soil control point "EPA 14" on site map.             | Test            |                             | EC                    | Exch. Ca   | Exch. Mg   | Exch. K    | Exch. Na   | Nitrate   | N (total) | pH   | P (total) | K     | SAR | P sorption capacity |  |              |
|                                 |  |  |  |  | unit of measure | µs/cm                       | mmol(+)/kg            | mmol(+)/kg | mmol(+)/kg | mmol(+)/kg | mmol(+)/kg | mg/kg     | mg/kg     | pH   | mg/kg     | mg/kg | SAR | mg/kg               |  |              |
|                                 |  |  |  |  | frequency       |                             | yearly                |            |            |            |            |           |           |      |           |       |     |                     |  | spec. freq 1 |
|                                 |  |  |  |  | sampling method |                             | composite sample      |            |            |            |            |           |           |      |           |       |     |                     |  |              |
| <a href="#">Point 5</a>         | Soil quality monitoring  |  | Soil sample.   | Soil control point "EPA 16" on site map.             | Test            |                             | EC                    | Exch. Ca   | Exch. Mg   | Exch. K    | Exch. Na   | Nitrate   | N (total) | pH   | P (total) | K     | SAR | P sorption capacity |  |              |
|                                 |  |  |  |  | unit of measure | µs/cm                       | mmol(+)/kg            | mmol(+)/kg | mmol(+)/kg | mmol(+)/kg | mmol(+)/kg | mg/kg     | mg/kg     | pH   | mg/kg     | mg/kg | SAR | mg/kg               |  |              |
|                                 |  |  |  |  | frequency       |                             | yearly                |            |            |            |            |           |           |      |           |       |     |                     |  | spec. freq 1 |
|                                 |  |  |  |  | sampling method |                             | composite sample      |            |            |            |            |           |           |      |           |       |     |                     |  |              |
| <a href="#">Point 6</a>         | Soil quality monitoring  |  | Soil sample.   | Soil control point "EPA 24" on site map.             | Test            |                             | EC                    | Exch. Ca   | Exch. Mg   | Exch. K    | Exch. Na   | Nitrate   | N (total) | pH   | P (total) | K     | SAR | P sorption capacity |  |              |
|                                 |  |  |  |  | unit of measure | µs/cm                       | mmol(+)/kg            | mmol(+)/kg | mmol(+)/kg | mmol(+)/kg | mmol(+)/kg | mg/kg     | mg/kg     | pH   | mg/kg     | mg/kg | SAR | mg/kg               |  |              |
|                                 |  |  |  |  | frequency       |                             | yearly                |            |            |            |            |           |           |      |           |       |     |                     |  | spec. freq 1 |
|                                 |  |  |  |  | sampling method |                             | composite sample      |            |            |            |            |           |           |      |           |       |     |                     |  |              |

| EPA Identification point number | Type of Monitoring Point  | Type of Discharge Point | How Monitored                                | Location Description                     | Detail          | Pollutant        |                       |            |            |            |           |           |    |           |       |       |                     |       |  |  |  |  |  |  |  |
|---------------------------------|---|-------------------------|--|--|-----------------|------------------|-----------------------|------------|------------|------------|-----------|-----------|----|-----------|-------|-------|---------------------|-------|--|--|--|--|--|--|--|
|                                 |   |                         |  |  |                 | EC               | Exch. Ca              | Exch. Mg   | Exch. K    | Exch. Na   | Nitrate   | N (total) | pH | P (total) | K     | SAR   | P sorption capacity |       |  |  |  |  |  |  |  |
| <a href="#">Point 11</a>        | Soil quality monitoring   |                         | Soil sample.                                 | Soil control point "EPA 25" on site map. | Test            |                  |                       |            |            |            |           |           |    |           |       |       |                     |       |  |  |  |  |  |  |  |
|                                 |   |                         |  |  | unit of measure | µs/cm            | mmol(+)/kg            | mmol(+)/kg | mmol(+)/kg | mmol(+)/kg | mg/kg     | mg/kg     | pH | mg/kg     | mg/kg | mg/kg | SAR                 | mg/kg |  |  |  |  |  |  |  |
|                                 |   |                         |  |  | frequency       | yearly           |                       |            |            |            |           |           |    |           |       |       |                     |       |  |  |  |  |  |  |  |
|                                 |   |                         |  |  | sampling method | composite sample |                       |            |            |            |           |           |    |           |       |       |                     |       |  |  |  |  |  |  |  |
| <a href="#">Point 7</a>         | 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 | metres           | ammonia               | Ca         | EC         | Mg         | Nitrate N | N (total) | pH | P (total) | K     | Na    |                     |       |  |  |  |  |  |  |  |
|                                 |   |                         |  |  | frequency       | every 6 months   | mg/L                  | mg/L       | µs/cm      | mg/L       | mg/L      | mg/L      | pH | mg/L      | mg/L  | mg/L  | mg/L                |       |  |  |  |  |  |  |  |
|                                 |   |                         |  |  | sampling method | inspection       | representative sample |            |            |            |           |           |    |           |       |       |                     |       |  |  |  |  |  |  |  |
| <a href="#">Point 8</a>         | 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 | metres           | ammonia               | Ca         | EC         | Mg         | Nitrate N | N (total) | pH | P (total) | K     | Na    |                     |       |  |  |  |  |  |  |  |
|                                 |   |                         |  |  | frequency       | every 6 months   | mg/L                  | mg/L       | µs/cm      | mg/L       | mg/L      | mg/L      | pH | mg/L      | mg/L  | mg/L  | mg/L                |       |  |  |  |  |  |  |  |
|                                 |   |                         |  |  | sampling method | inspection       | representative sample |            |            |            |           |           |    |           |       |       |                     |       |  |  |  |  |  |  |  |
| <a href="#">Point 9</a>         | 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 | metres           | ammonia               | Ca         | EC         | Mg         | Nitrate N | N (total) | pH | P (total) | K     | Na    |                     |       |  |  |  |  |  |  |  |
|                                 |   |                         |  |  | frequency       | every 6 months   | mg/L                  | mg/L       | µs/cm      | mg/L       | mg/L      | mg/L      | pH | mg/L      | mg/L  | mg/L  | mg/L                |       |  |  |  |  |  |  |  |
|                                 |   |                         |  |  | sampling method | inspection       | representative sample |            |            |            |           |           |    |           |       |       |                     |       |  |  |  |  |  |  |  |
| <a href="#">Point 10</a>        | 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 | metres           | ammonia               | Ca         | EC         | Mg         | Nitrate N | N (total) | pH | P (total) | K     | Na    |                     |       |  |  |  |  |  |  |  |
|                                 |   |                         |  |  | frequency       | every 6 months   | mg/L                  | mg/L       | µs/cm      | mg/L       | mg/L      | mg/L      | pH | mg/L      | mg/L  | mg/L  | mg/L                |       |  |  |  |  |  |  |  |
|                                 |   |                         |  |  | sampling method | inspection       | representative sample |            |            |            |           |           |    |           |       |       |                     |       |  |  |  |  |  |  |  |

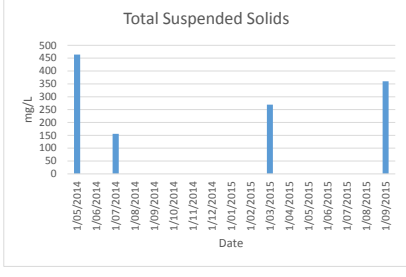
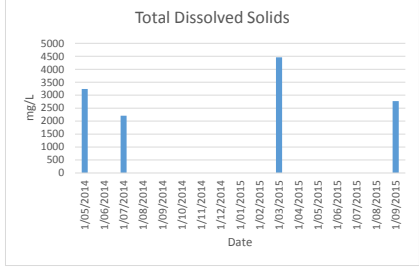
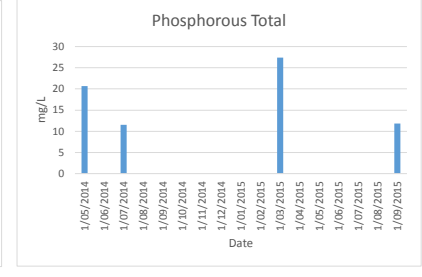
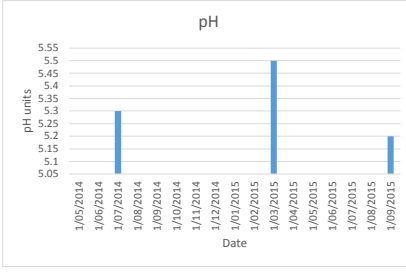
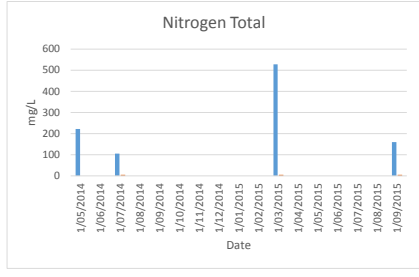
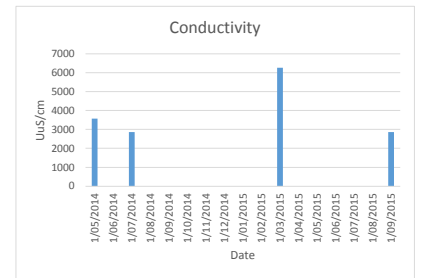
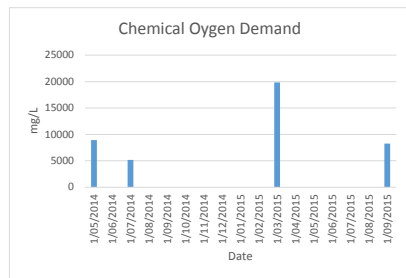
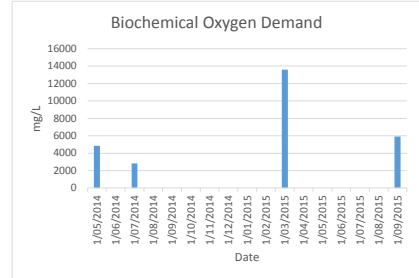
Date

| type               | test      | units | Date       |            |            |            |            |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|-----------|-------|------------|------------|------------|------------|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                    |           |       | 14/05/2014 | 14/06/2014 | 14/07/2014 | 15/03/2015 | 22/09/2015 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| quality monitoring | BOD       | mg/L  | 31800      | 3260       | 4950       | 12400      | 3320       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| quality monitoring | COD       | mg/L  | 74900      | 5820       | 5060       | 21400      | 5850       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| quality monitoring | EC        | µs/cm | 11800      | 1020       | 2900       | 3290       | 7330       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| quality monitoring | N (total) | mg/L  | 717        | 13         | 103        | 286        | 27         |  |  |  |  |  |  |  |  |  |  |  |  |  |
| quality monitoring | pH        | pH    | n/a        | n/a        | 5.3        | 4.1        | 12.4       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| quality monitoring | P (total) | mg/L  | 47         | 2.8        | 11.2       | 23.2       | 5.69       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| quality monitoring | SAR       | SAR   | <1         | 2          | 2          | 1          | 2          |  |  |  |  |  |  |  |  |  |  |  |  |  |
| quality monitoring | TDS       | mg/L  | 11700      | 1280       | 2140       | 3310       | 6250       |  |  |  |  |  |  |  |  |  |  |  |  |  |
| quality monitoring | TSS       | mg/L  | 25400      | 254        | 144        | 2410       | 322        |  |  |  |  |  |  |  |  |  |  |  |  |  |

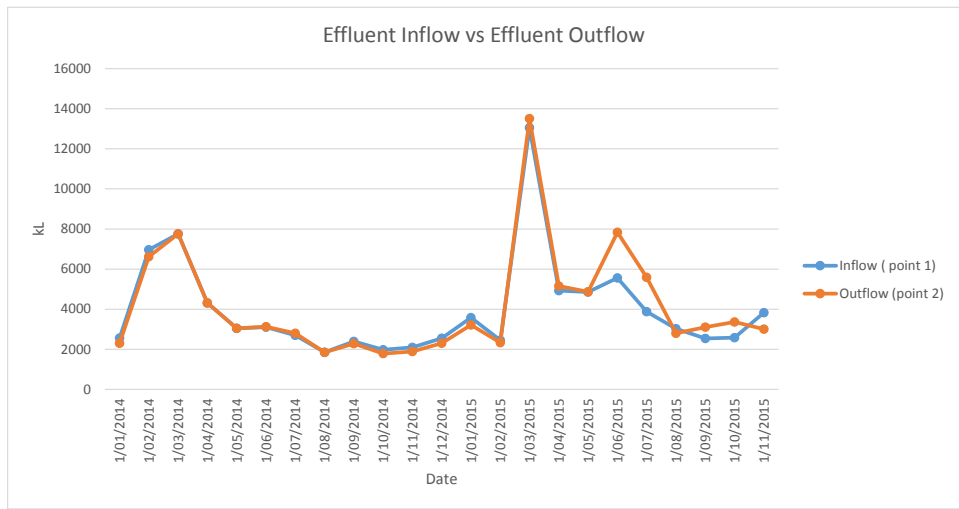


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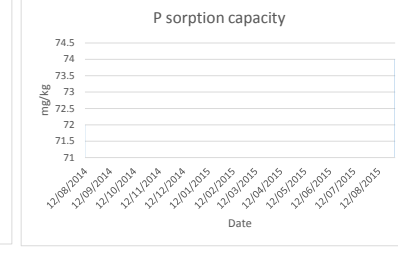
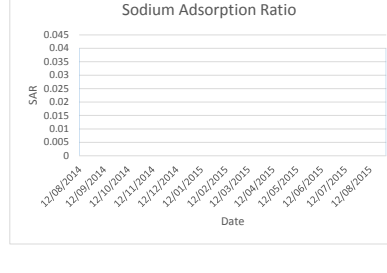
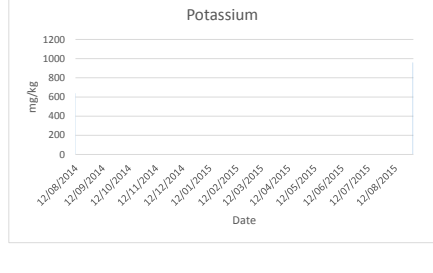
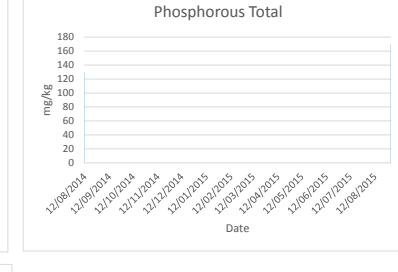
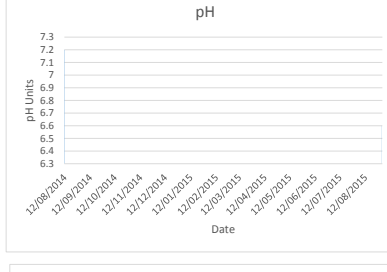
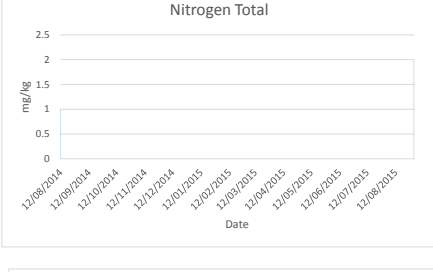
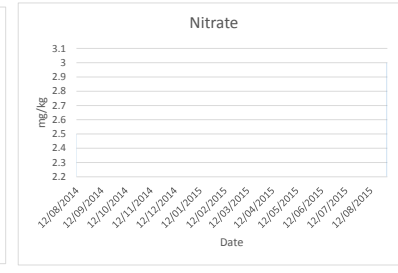
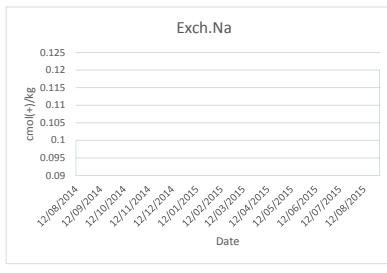
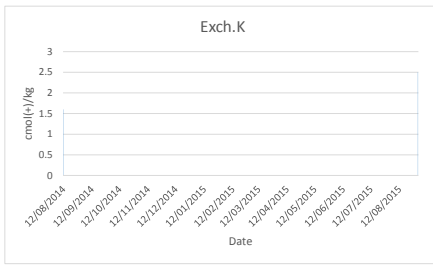
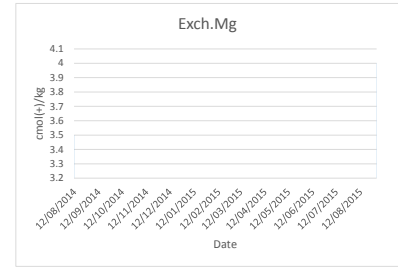
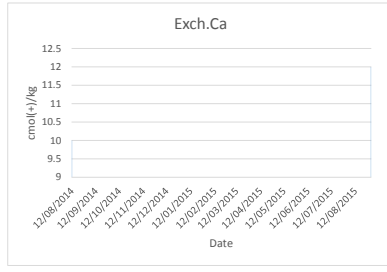
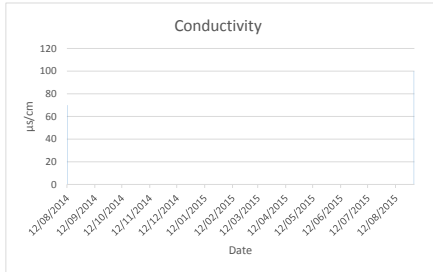
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|--------------------|-----------|-------|------------|------------|------------|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                    |           |       | 14/05/2014 | 14/07/2014 | 15/03/2015 | 22/09/2015 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| quality monitoring | BOD       | mg/L  | 4830       | 2820       | 13600      | 5920       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| quality monitoring | COD       | mg/L  | 8940       | 5160       | 19800      | 8260       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| quality monitoring | EC        | µs/cm | 3580       | 2870       | 6260       | 2860       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| quality monitoring | N (total) | mg/L  | 221        | 105        | 527        | 159        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| quality monitoring | pH        | pH    |            | 5.3        | 5.5        | 5.2        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| quality monitoring | P (total) | mg/L  | 20.7       | 11.5       | 27.4       | 11.8       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| quality monitoring | SAR       | SAR   | 1          | 2          | 1          | 1          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| quality monitoring | TDS       | mg/L  | 3240       | 2210       | 4460       | 2770       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| quality monitoring | TSS       | mg/L  | 464        | 156        | 269        | 360        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



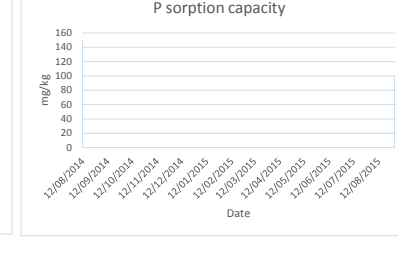
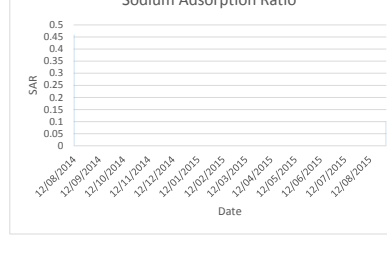
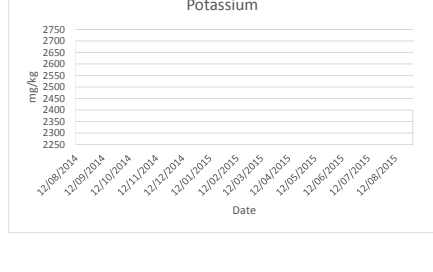
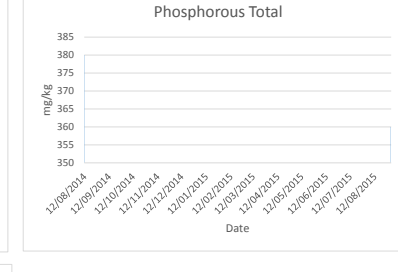
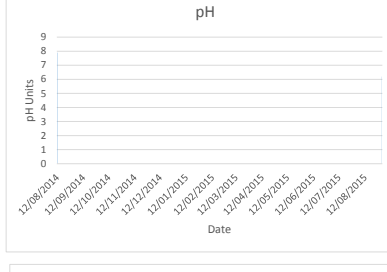
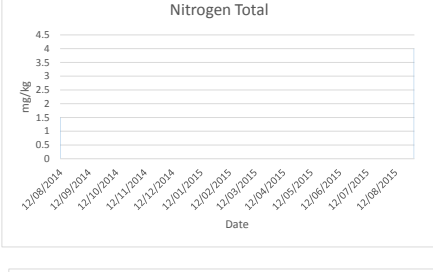
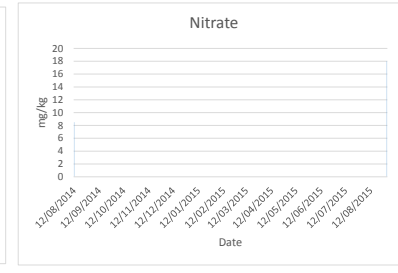
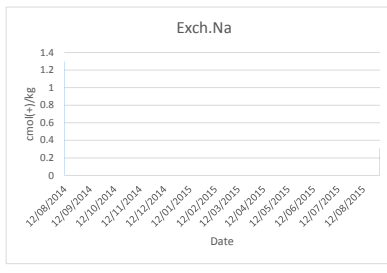
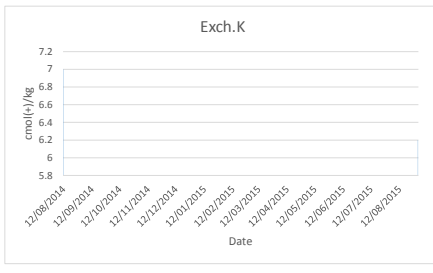
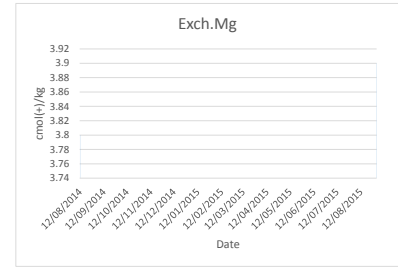
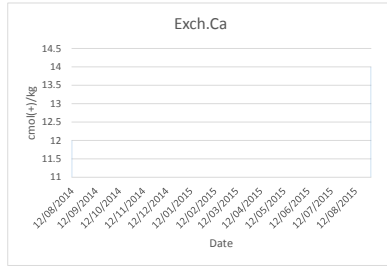
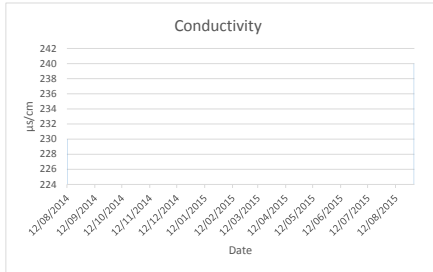
| Date       | Inflow (point 1) | Outflow (point 2) |
|------------|------------------|-------------------|
| 27/01/2014 | 2566             | 2309              |
| 24/02/2014 | 6970             | 6622              |
| 31/03/2014 | 7760             | 7760              |
| 28/04/2014 | 4315             | 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              |



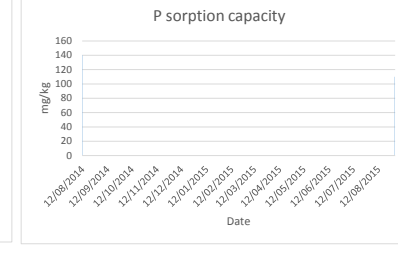
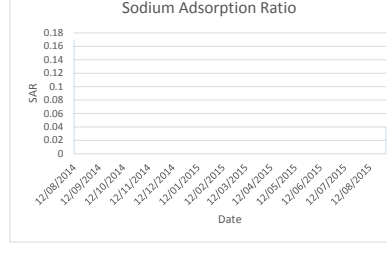
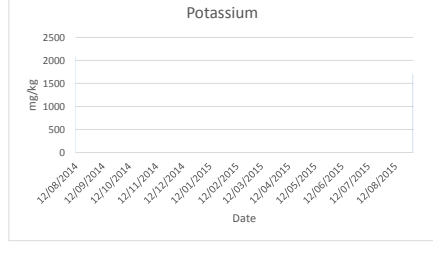
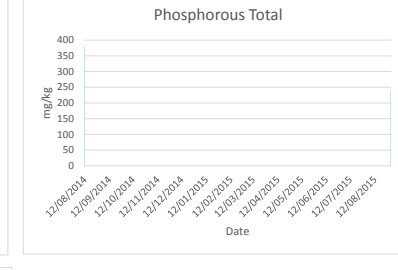
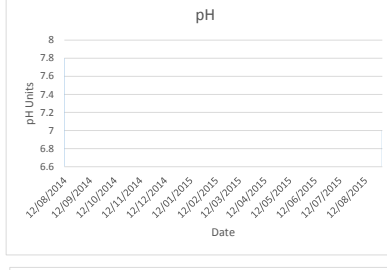
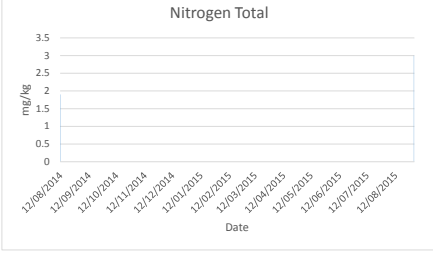
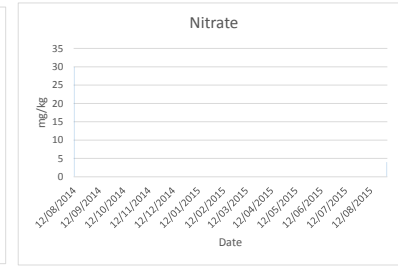
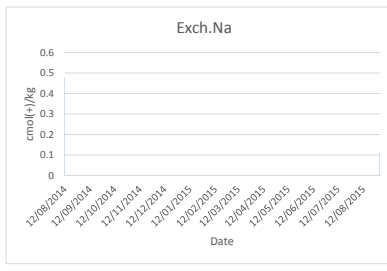
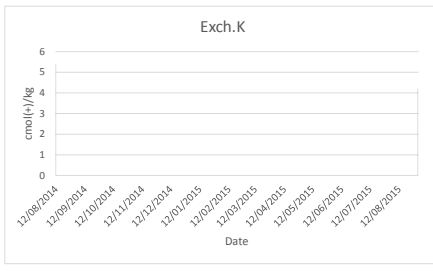
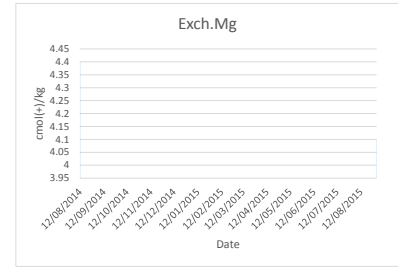
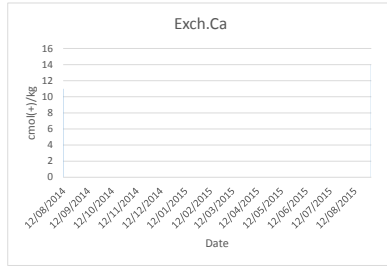
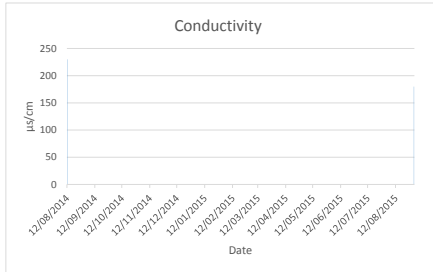
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|--------------------|---------------------|------------|------------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                    |                     |            | 12/08/2014 | 1/09/2015 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



| type               | test                | units      | Date       |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|---------------------|------------|------------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                    |                     |            | 12/08/2014 | 1/09/2015 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| quality monitoring | EC                  | µs/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       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

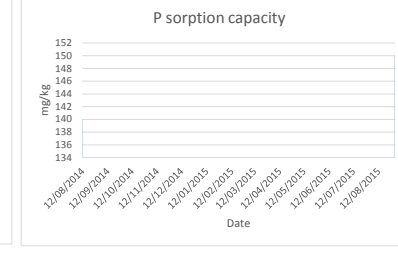
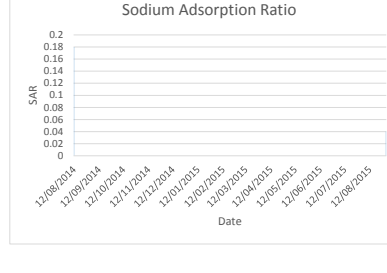
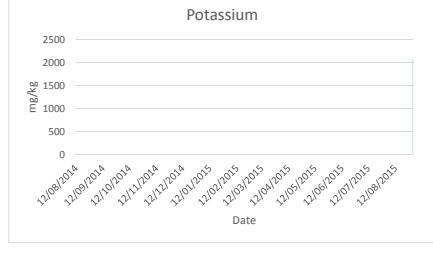
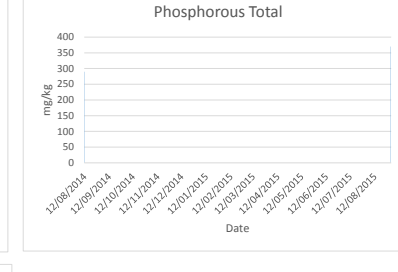
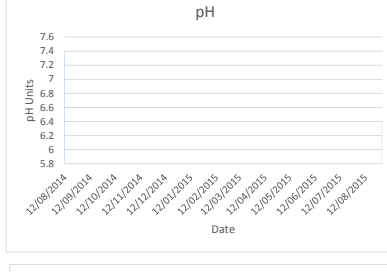
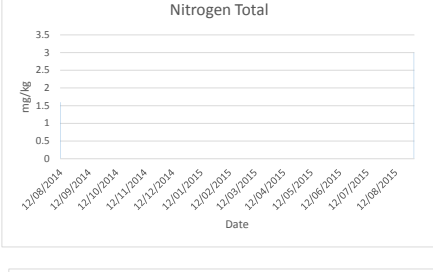
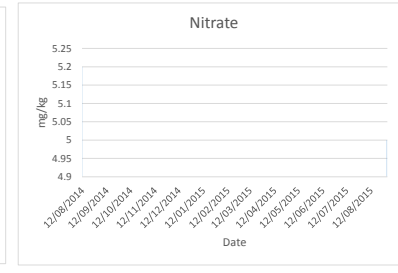
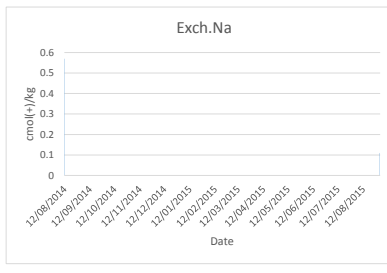
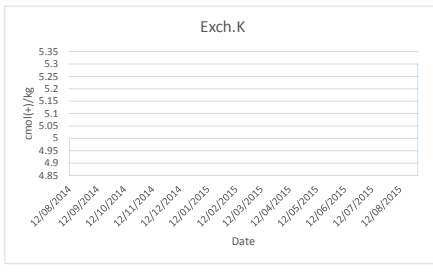
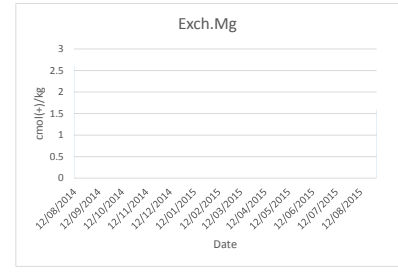
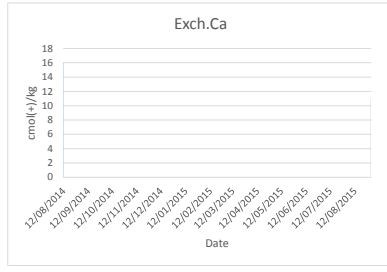
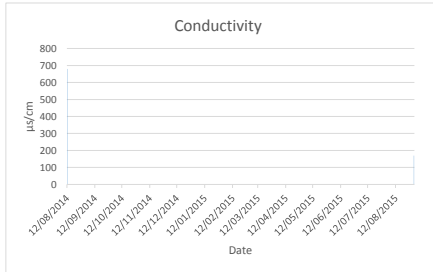


| type               | test                | units      | Date       |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|---------------------|------------|------------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                    |                     |            | 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       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



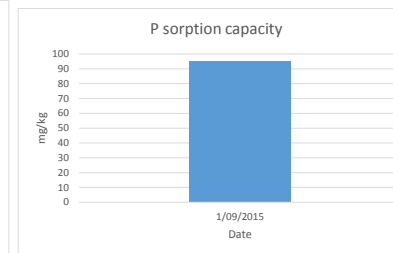
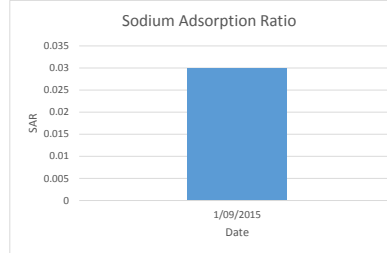
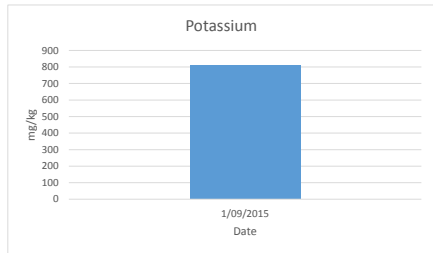
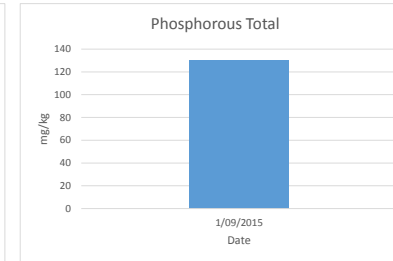
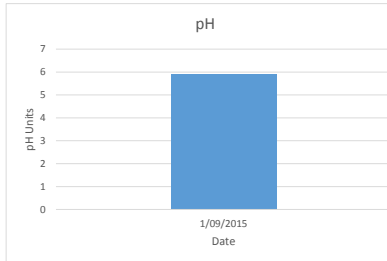
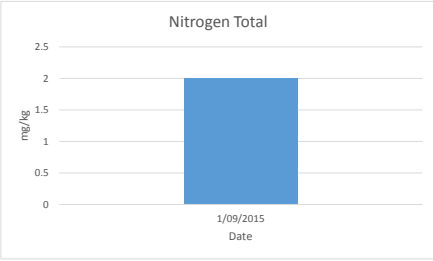
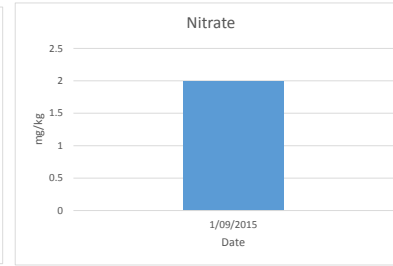
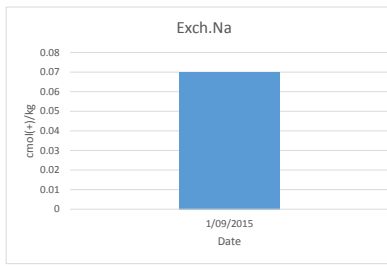
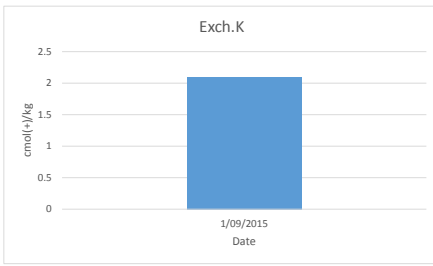
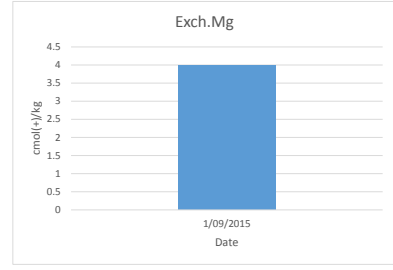
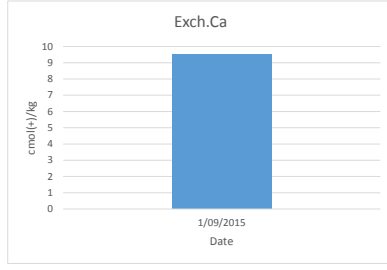
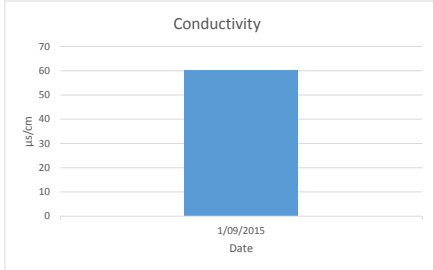


| type               | test                | units      | Date       |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|---------------------|------------|------------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                    |                     |            | 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       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

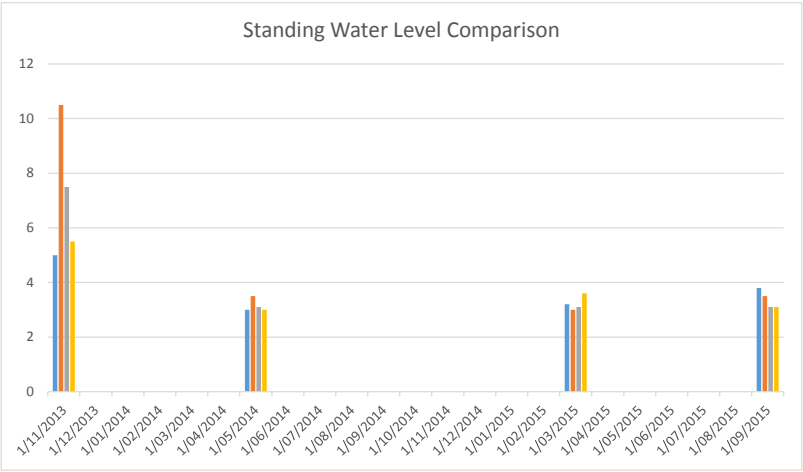


Date

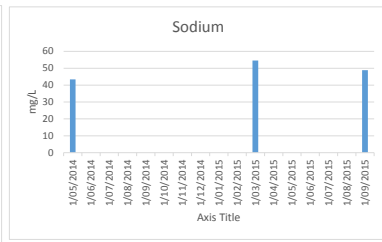
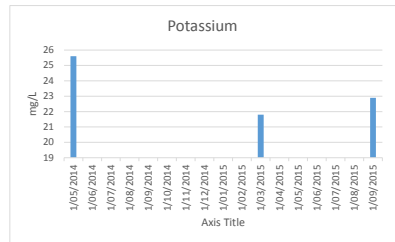
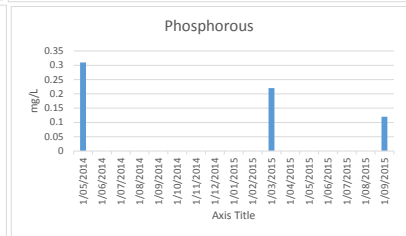
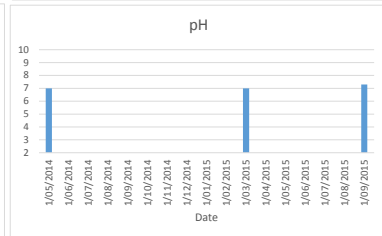
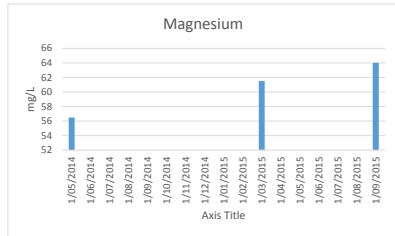
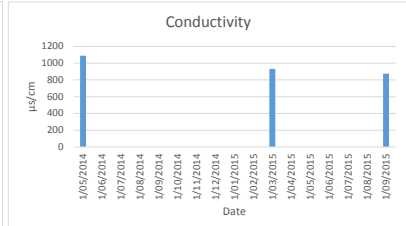
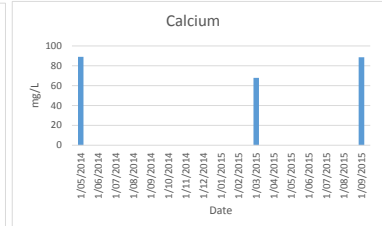
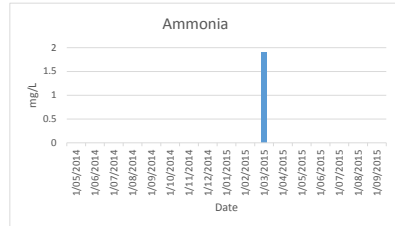
| type               | test                | units      | 1/09/2015 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|---------------------|------------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| quality monitoring | EC                  | µs/cm      | 60        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



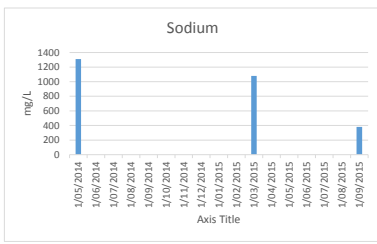
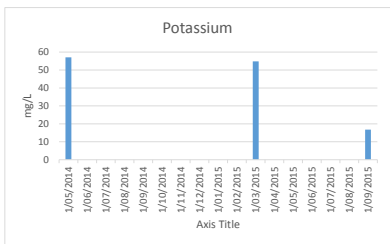
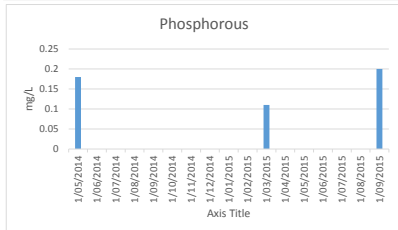
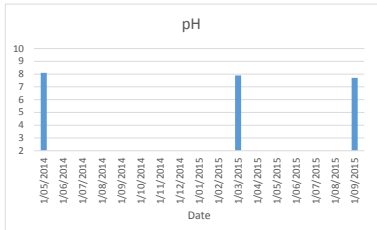
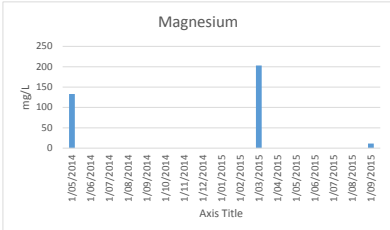
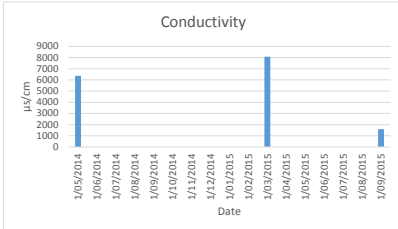
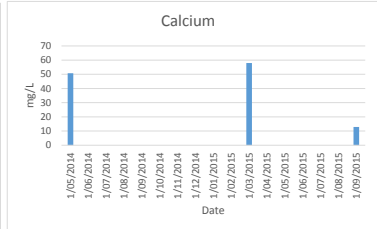
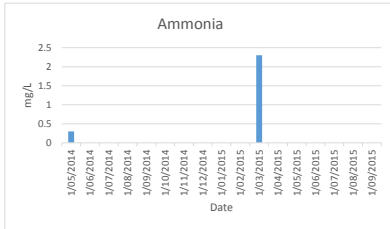
| Date       | Standing water level point 6 | Standing water level point 7 | Standing water level point 8 | Standing water level point 10 |
|------------|------------------------------|------------------------------|------------------------------|-------------------------------|
| 6/11/2013  | 5.5                          | 5                            | 10.5                         | 7.5                           |
| 19/05/2014 | 3                            | 3                            | 3.5                          | 3.1                           |
| 10/03/2015 | 3.6                          | 3.2                          | 3                            | 3.1                           |
| 16/09/2015 | 3.1                          | 3.8                          | 3.5                          | 3.1                           |
|            |                              |                              |                              |                               |
|            |                              |                              |                              |                               |
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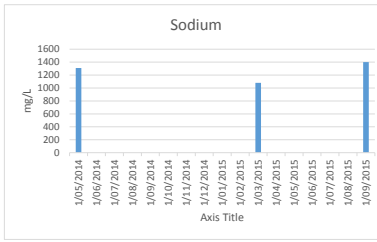
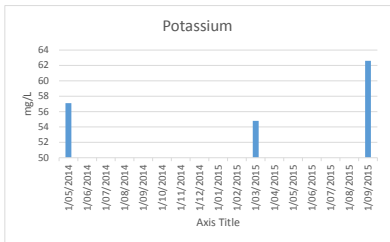
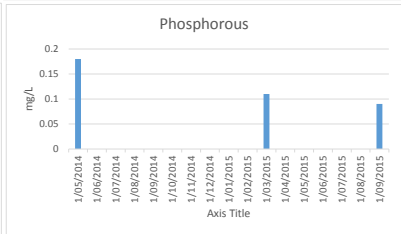
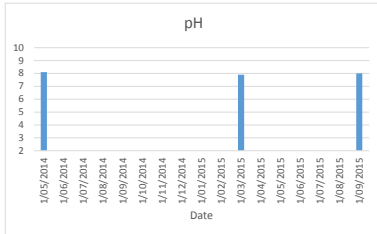
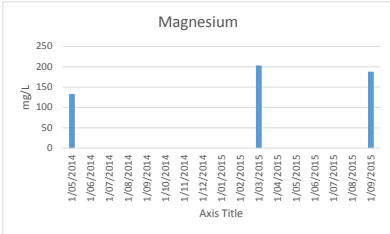
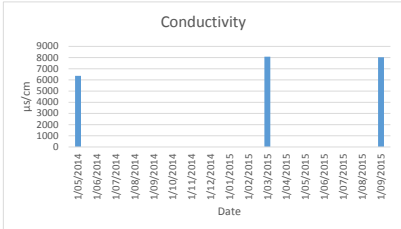
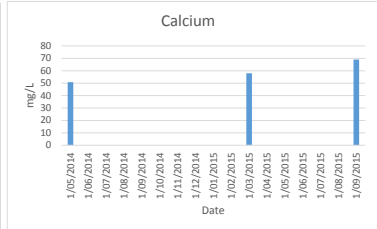
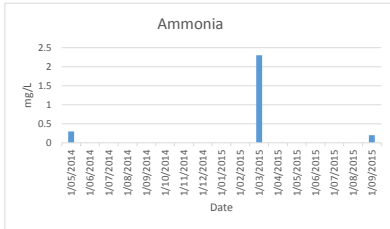
| type               | test        | units | Date      |            |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|-------------|-------|-----------|------------|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                    |             |       | 8/05/2014 | 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       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



| type               | test        | units | Date      |            |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|-------------|-------|-----------|------------|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                    |             |       | 8/05/2014 | 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        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

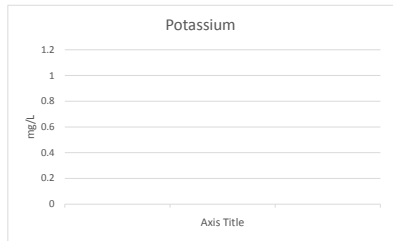
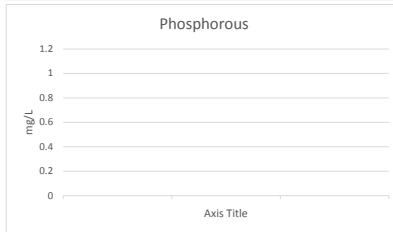
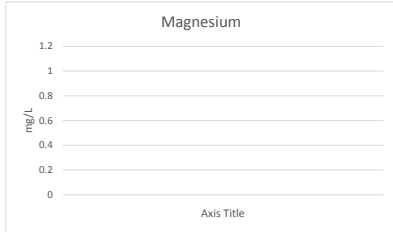
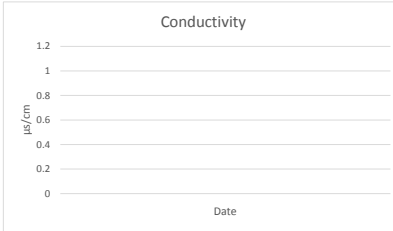
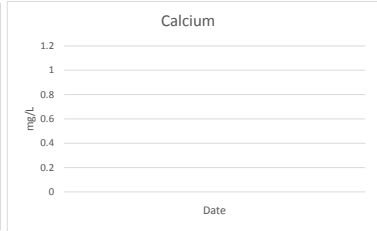
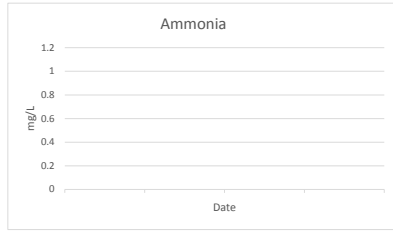


| type               | test        | units | Date      |            |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|-------------|-------|-----------|------------|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                    |             |       | 8/05/2014 | 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       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



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 |



| <b>Test Type</b>                                | <b>EPA Reference Points</b> | <b>Frequency of Monitoring</b> | <b>Next Sample Date</b> |
|---|-----------------------------|--------------------------------|-------------------------|
| 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              |