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31 July 2018

**Mr Neil Herbert**  
**Natural Resources Wales (NRW)**  
Cambria House  
29 Newport Road  
Cardiff  
CF24 0TP

## BY EMAIL

Dear Neil,

### **Resources Management (UK) Limited t/a Potters Waste Management** **WITHYHEDGE LANDFILL SITE** **2<sup>nd</sup> Quarterly Monitoring Report 2018**

Please find enclosed a summary of the monitoring data for leachate, groundwater, surface water and landfill gas collected at Withyhedge Landfill Site for the 2<sup>nd</sup> Quarter of 2018 (review period April to June 2018). This letter summarises the main findings with reference to the compliance limits set in the Site Permit (reference EPR/MP3330WP, previously GP3630HT/V005).

## LEACHATE

### ***Leachate levels***

Weekly leachate levels data for the period April to June 2018 has been supplied by the Operator and has not been independently verified as part of this review. Leachate level monitoring data for this quarter are provided in Tables 1 and 2 of Appendix A. A review of the data provided by the Operator indicates that all leachate levels recorded at the site were not exceeding the 1 m compliance limit, consistent with the requirements in Table S4.1 of the Permit.

### ***Leachate Volume***

The Operator has reported a total of 5262.94 tonnes of leachate was removed from the site during the period April to June 2018. The Operator has also reported the quarterly volumes of leachate extracted from monitoring wells LE1, LE2, LE3, LE4, LE5 and LE 6, provided in Table 3 of Appendix A. Leachate extraction is to be reviewed as part of the Hydrogeological Risk Assessment (HRA) Review currently being undertaken for the site.

### ***Leachate quality***

Leachate quality monitoring data is provided in Appendix A and will be reviewed as part of the Annual Report as required by Condition 4.2 of the Permit.

## GROUNDWATER

### ***Groundwater level***

Groundwater levels are recorded on a monthly basis and are provided in Appendix B.

### **Groundwater quality sampling**

Groundwater quality sampling is undertaken on a monthly basis in accordance with Table S4.5 and Table S4.11 of the Permit. The groundwater quality monitoring data has been assessed against the compliance limits set in the Permit and is provided in Appendix B. No exceedances were recorded during the April to June 2018 reporting period. Mecoprop and naphthalene were recorded below the limit of detection of the laboratory and ammoniacal nitrogen, cadmium and nickel concentrations were recorded below the compliance limits at all groundwater monitoring points.

### **SURFACE WATER**

Surface water is monitored on a monthly basis in accordance with Table S4.3 and Table S4.10 of the Permit and the surface water quality data is attached as Appendix C. There were no exceedances of the compliance limits for surface water monitoring point D1 during the period April to June 2018.

Flow monitoring data for D1 is provided in Appendix D for the period April to June 2018. An average flow rate of 1.17 litres per second was recorded between 12<sup>th</sup> April 2018 03:53:22 and 30<sup>th</sup> June 2018 23:39:10. Flow during the period 1<sup>st</sup> April 2018 00:23:22 to 12<sup>th</sup> April 2018 03:23:22 was not recorded due to a damaged flow meter bracket. This has now been repaired. It has been confirmed by the Operator that there were no storm water overflow events from the surface water system during the period April to June 2018.

### **LANDFILL GAS**

CO<sub>2</sub>, CH<sub>4</sub> and O<sub>2</sub> are monitored on a weekly basis at boreholes BH24, BH25, BH26, BH27 and BH28, as specified in Table S4.6 of the Permit. The remaining locations are monitored on a monthly basis as specified in Table S4.6 and S4.8 of the Permit. The results of landfill gas monitoring are provided in Appendix E. No exceedances were recorded during the period April to June 2018.

In-Waste Gas monitoring data is provided in Appendix F. Point source emissions monitoring was undertaken for the gas engines (Engine Exhaust 1 and Engine Exhaust 2) for the period April to June 2018, as required by Table S4.2 of Permit Variation reference EPR/GP3630HT/V005. The results are provided at Appendix G.

We trust that the above adequately meets your requirements, however, please do not hesitate to contact us if you have any queries.

Yours sincerely,  
For and on behalf of TerraConsult,



Claire Finney  
**Senior Consultant**

## **APPENDIX A**

### **Leachate Levels and Quality Monitoring Data**

| Table 1. Weekly Leachate Level (m) |                           |        |         |         |         |         |        |         |         |         |         |        |        |         |         |         |         |         |
|------------------------------------|---------------------------|--------|---------|---------|---------|---------|--------|---------|---------|---------|---------|--------|--------|---------|---------|---------|---------|---------|
| Date                               |                           | 4/4/18 | 11/4/18 | 12/4/18 | 18/4/18 | 25/4/18 | 3/5/18 | 11/5/18 | 17/5/18 | 18/5/18 | 23/5/18 | 1/6/18 | 6/6/18 | 13/6/18 | 19/6/18 | 20/6/18 | 26/6/18 | AVERAGE |
| Monitoring Point                   | Compliance Limit          |        |         |         |         |         |        |         |         |         |         |        |        |         |         |         |         |         |
| Cell 11E                           | 1m above cell basal liner | 0.82   | 0.80    | 0.81    | 0.78    | 0.86    | 0.79   | 0.83    | 0.83    | 0.88    | 0.68    | 0.76   | 0.82   | 0.78    | 0.88    | 0.84    | 0.79    | 0.80    |
| Cell 11W                           |                           | 0.87   | 0.69    | 0.83    | 0.82    | 0.88    | 0.88   | 0.52    | 0.88    | 0.49    | 0.77    | 0.82   | 0.87   | 0.82    | 0.87    | 0.88    | 0.87    | 0.78    |
| Cell 13                            |                           | 0.88   | 0.83    | 0.84    | 0.85    | 0.83    | 0.85   | 0.75    | 0.86    | 0.85    | 0.88    | 0.87   | 0.86   | 0.74    | 0.87    | 0.88    | 0.88    | 0.85    |
| Cell 14                            |                           | 0.87   | 0.80    | 0.85    | 0.87    | 0.78    | 0.87   | 0.72    | 0.86    | 0.80    | 0.80    | 0.88   | 0.86   | 0.70    | 0.86    | 0.84    | 0.84    | 0.83    |
| Cell 15                            |                           | 0.86   | 0.75    | 0.82    | 0.84    | 0.86    | 0.73   | 0.81    | 0.85    | 0.60    | 0.73    | 0.83   | 0.83   | 0.82    | 0.83    | 0.83    | 0.86    | 0.79    |
| L1                                 |                           | 0.86   | 0.84    | 0.88    | 0.79    | 0.65    | 0.69   | 0.84    | 0.87    | 0.79    | 0.70    | 0.88   | 0.81   | 0.82    | 0.82    | 0.85    | 0.83    | 0.80    |
| L2                                 |                           | 0.87   | 0.84    | 0.84    | 0.87    | 0.85    | 0.57   | 0.75    | 0.86    | 0.80    | 0.82    | 0.85   | 0.88   | 0.82    | 0.87    | 0.87    | 0.86    | 0.82    |
| L3                                 |                           | 0.87   | 0.83    | 0.88    | 0.88    | 0.85    | 0.84   | 0.89    | 0.86    | 0.88    | 0.83    | 0.79   | 0.87   | 0.80    | 0.85    | 0.82    | 0.87    | 0.86    |
| L4                                 |                           | D      | D       | D       | D       | D       | D      | D       | D       | D       | 0.87    | 0.80   | D      | D       | D       | D       | D       | 0.84    |
| L5                                 |                           | D      | D       | D       | D       | D       | D      | D       | D       | D       | 0.88    | 0.84   | D      | D       | D       | D       | D       | 0.86    |
| LD3                                |                           | 0.80   | 0.79    | 0.87    | 0.81    | 0.84    | 0.73   | 0.00    | 0.88    | 0.87    | 0.79    | 0.80   | 0.85   | 0.80    | 0.83    | 0.88    | 0.81    | 0.75    |
| SWS                                |                           | 0.86   | 0.80    | D       | 0.87    | 0.84    | 0.88   | 0.85    | D       | 0.88    | 0.80    | 0.81   | 0.86   | 0.71    | D       | 0.80    | 0.86    | 0.85    |
| LM1                                |                           | 0.79   | 0.78    | D       | 0.85    | D       | D      | D       | D       | D       | D       | D      | 0.87   | 0.85    | D       | 0.88    | 0.87    | 0.82    |
| LM2                                |                           | D      | D       | D       | D       | D       | D      | 0.68    | D       | 0.85    | 0.84    | 0.72   | 0.00   | 0.00    | D       | D       | D       | 0.62    |
| LM3N                               |                           | 0.74   | 0.76    | D       | 0.87    | 0.85    | 0.85   | 0.81    | D       | 0.76    | 0.85    | 0.85   | 0.85   | 0.87    | D       | 0.77    | 0.76    | 0.82    |
| LM3S                               |                           | D      | D       | D       | D       | D       | D      | D       | D       | D       | 0.75    | 0.76   | D      | D       | D       | D       | D       | 0.76    |
| LM4                                |                           | D      | D       | D       | D       | D       | D      | D       | D       | D       | 0.88    | 0.82   | D      | D       | D       | D       | D       | 0.85    |
| LM5                                |                           | D      | D       | D       | D       | D       | D      | D       | D       | D       | D       | D      | D      | D       | D       | D       | D       | D       |
| LE1*                               |                           | D      | D       | D       | D       | D       | D      | D       | D       | D       | D       | D      | D      | D       | D       | D       | D       | D       |
| LE2*                               |                           | D      | D       | D       | D       | D       | D      | D       | D       | D       | D       | D      | D      | D       | D       | D       | D       | D       |
| LE3*                               |                           | D      | D       | D       | D       | D       | D      | D       | D       | D       | D       | D      | D      | D       | D       | D       | D       | D       |
| LE4*                               |                           | D      | D       | D       | D       | D       | D      | D       | D       | D       | D       | D      | D      | D       | D       | D       | D       | D       |
| LE5*                               |                           | D      | D       | D       | D       | D       | D      | D       | D       | D       | D       | D      | D      | D       | D       | D       | D       | D       |
| LE6*                               |                           | D      | D       | D       | D       | D       | D      | D       | D       | D       | D       | D      | D      | D       | D       | D       | D       | D       |
| VL1                                |                           | D      | D       | D       | D       | D       | D      | D       | D       | D       | D       | D      | D      | D       | D       | D       | D       | D       |
| VLM1                               |                           | D      | D       | D       | D       | D       | D      | D       | D       | D       | D       | D      | D      | D       | D       | D       | D       | D       |
| VL2                                |                           | D      | D       | D       | D       | D       | D      | D       | D       | D       | D       | D      | D      | D       | D       | D       | D       | D       |
| VL3                                |                           | D      | D       | D       | D       | D       | D      | D       | D       | D       | D       | D      | D      | D       | D       | D       | D       | D       |
| VSL1                               |                           | D      | D       | D       | D       | D       | D      | D       | D       | D       | D       | D      | D      | D       | D       | D       | D       | D       |
| VSLM1                              |                           | D      | D       | D       | D       | D       | D      | D       | D       | D       | D       | D      | D      | D       | D       | D       | D       | D       |

| Table 2. Monthly Leachate Level (m) |                  |       |     |      |
|-------------------------------------|------------------|-------|-----|------|
| Monitoring Point                    | Compliance Limit | APRIL | MAY | JUNE |
| LW1                                 | None             | D     | D   | D    |
| LW2                                 |                  | D     | D   | D    |
| LW4                                 |                  | D     | D   | D    |

|               |                                                                             |
|---------------|-----------------------------------------------------------------------------|
| <b>Notes:</b> | D denotes well is dry                                                       |
|               | * denotes leachate wells pumped dry - quarterly volumes provided in Table 3 |

| Table 3. Leachate Extraction Volumes LE1-6 |                                   |
|--------------------------------------------|-----------------------------------|
| Extraction Well                            | Leachate Volume (m <sup>3</sup> ) |
| LE1                                        | 19.00                             |
| LE2                                        | 9.00                              |
| LE3                                        | 5.00                              |
| LE4                                        | 49.00                             |
| LE5                                        | 2.00                              |
| LE6                                        | 0.00                              |
| <b>TOTAL VOLUME OF LEACHATE EXTRACTED</b>  | <b>84.00</b>                      |

| Determinand   | Units    | Monitoring Point |          |          |          |          |          |          |
|---------------|----------|------------------|----------|----------|----------|----------|----------|----------|
|               |          | CELL 11E         | CELL 11W | CELL 13  | CELL 14  | CELL 15  | SW Sump  | SW Sump  |
|               |          | 15/05/18         | 15/05/18 | 15/05/18 | 15/05/18 | 15/05/18 | 15/05/18 | 15/05/18 |
| pH            | pH units | 6.5              | 7.6      | 7.4      | 7.5      | 7.2      | 7.4      | 7.4      |
| Conductivity  | µS/cm    | 4,400            | 2,120    | 13,590   | 13,570   | 5,340    | 412      | 218      |
| Ammonia       | mg/l     | 1,760            | 830      | 640      | 580      | 670      | 6        | 1.1      |
| Nitrite       | mg/l     | 0.188            | 0.21     | 0.32     | 0.162    | 0.172    | 0.005    | 0.004    |
| Nitrate       | mg/l     | 9.1              | 8.5      | 0.7      | 7.3      | 7.4      | 1.7      | 4.5      |
| TON           | mg/l     | 9.3              | 8.7      | 1        | 7.5      | 7.6      | 1.7      | 4.5      |
| TOC           | mg/l     | 1,510            | 1,990    | 1,760    | 1,510    | 1,890    | 20.3     | 15.9     |
| BOD           | mg/l     | 96.4             | 114      | 176      | 129      | 101      | 2.4      | 0.6      |
| COD           | mg/l     | 228              | 217      | 441      | 186      | 216      | 39       | 35       |
| Calcium       | mg/l     | 129              | 118      | 280      | 142      | 152      | 67.4     | 21.8     |
| Magnesium     | mg/l     | 56               | 55.5     | 47.2     | 55.3     | 58.2     | 6.2      | 5.6      |
| Sodium        | mg/l     | 1,188            | 1,197    | 334      | 1,210    | 1,227    | 13.5     | 17.5     |
| Potassium     | mg/l     | 644              | 653      | 215      | 645      | 658      | 3.1      | 3.4      |
| Nickel        | mg/l     | 0.294            | 0.217    | 0.056    | 0.228    | 0.232    | 0.0077   | 0.0086   |
| Cadmium       | mg/l     | 0.00037          | 0.00017  | <0.00008 | 0.00047  | 0.0001   | <0.0008  | <0.0008  |
| Alkalinity    | mg/l     | 12,200           | 12,810   | 3,660    | 13,420   | 13,420   | 159      | 146      |
| Sulphate      | mg/l     | 92.3             | 91.3     | 1,120    | 94.4     | 95.8     | 99.1     | 18.7     |
| Chloride      | mg/l     | 22.2             | 21.8     | 14       | 24.1     | 26.9     | 21.3     | 18.3     |
| Mecoprop      | mg/l     | 0.016            | 0.036    | 0.074    | 0.026    | 0.03     | <0.0001  | <0.0001  |
| Napthalene    | mg/l     | 0.003            | 0.003    | <0.00005 | 0.003    | 0.004    | <0.00005 | <0.00005 |
| Mercury       | mg/l     | <0.0005          | <0.0005  | <0.0005  | <0.0005  | <0.0005  | <0.0005  | <0.0005  |
| Total Phenols | mg/l     | 5.6              | 5.7      | 3.1      | 5.1      | 5.5      | <0.02    | <0.02    |

| Determinand   | Units    | Monitoring Point |          |          |          |          |          |          |
|---------------|----------|------------------|----------|----------|----------|----------|----------|----------|
|               |          | L1               |          |          | L2       |          |          | L3       |
|               |          | 12/04/18         | 15/05/18 | 19/06/18 | 12/04/18 | 15/05/18 | 19/06/18 | 15/05/18 |
| pH            | pH units | -                | 7.6      | -        | -        | 7.7      | -        | 7.3      |
| Conductivity  | µS/cm    | -                | 10,860   | -        | -        | 11,080   | -        | 9,690    |
| Ammonia       | mg/l     | -                | 1,060    | -        | -        | 1,320    | -        | 950      |
| Nitrite       | mg/l     | -                | 0.088    | -        | -        | 0.1      | -        | 0.15     |
| Nitrate       | mg/l     | -                | 3.7      | -        | -        | 3.8      | -        | 4.8      |
| TON           | mg/l     | -                | 3.8      | -        | -        | 3.9      | -        | 5        |
| TOC           | mg/l     | -                | 2,950    | -        | -        | 2,110    | -        | 2,110    |
| BOD           | mg/l     | -                | 3.2      | -        | -        | 66.4     | -        | 78.9     |
| COD           | mg/l     | -                | 1,370    | -        | -        | 1,440    | -        | 1,320    |
| Calcium       | mg/l     | -                | 153      | -        | -        | 155      | -        | 136      |
| Magnesium     | mg/l     | -                | 55.4     | -        | -        | 55.7     | -        | 51.9     |
| Sodium        | mg/l     | -                | 1,030    | -        | -        | 1,052    | -        | 929      |
| Potassium     | mg/l     | -                | 462      | -        | -        | 465      | -        | 427      |
| Nickel        | mg/l     | -                | 0.237    | -        | -        | 0.385    | -        | 0.298    |
| Cadmium       | mg/l     | -                | <0.0008  | -        | -        | <0.0008  | -        | 0.00017  |
| Alkalinity    | mg/l     | -                | 10,370   | -        | -        | 9,150    | -        | 8,540    |
| Sulphate      | mg/l     | -                | 112      | -        | -        | 115      | -        | 97.4     |
| Chloride      | mg/l     | -                | 20.5     | -        | -        | 19.6     | -        | 25       |
| Mecoprop      | mg/l     | <0.0004          | 0.132    | <0.0005  | <0.0004  | 0.278    | 0.003    | 0.106    |
| Napthalene    | mg/l     | -                | <0.00005 | -        | -        | <0.00005 | -        | <0.00005 |
| Mercury       | mg/l     | -                | <0.0005  | -        | -        | <0.0005  | -        | <0.0005  |
| Total Phenols | mg/l     | -                | 3.1      | -        | -        | 3.7      | -        | 4.2      |

| Determinand   | Units    | Monitoring Point |          |
|---------------|----------|------------------|----------|
|               |          | L4               | L5       |
|               |          | 15/05/18         | 15/05/18 |
| pH            | pH units | 7.6              | 7.9      |
| Conductivity  | µS/cm    | 11,110           | 11,140   |
| Ammonia       | mg/l     | 1,080            | 1,000    |
| TON           | mg/l     | 8.3              | 7        |
| TOC           | mg/l     | 1,287            | 2,087    |
| BOD           | mg/l     | 61.3             | 51.3     |
| COD           | mg/l     | 1,647            | 1,605    |
| Calcium       | mg/l     | 107              | 111      |
| Magnesium     | mg/l     | 40.6             | 43.9     |
| Sodium        | mg/l     | 819              | 872      |
| Potassium     | mg/l     | 412              | 435      |
| Nickel        | mg/l     | 0.148            | 0.146    |
| Cadmium       | mg/l     | <0.00008         | 0.00067  |
| Alkalinity    | mg/l     | 9,150            | 2,440    |
| Sulphate      | mg/l     | 50               | 44.3     |
| Chloride      | mg/l     | 25.2             | 28.7     |
| Mecoprop      | mg/l     | 0.115            | 0.195    |
| Napthalene    | mg/l     | 0.0027           | 0.0003   |
| Mercury       | mg/l     | <0.0005          | <0.0005  |
| Total Phenols | mg/l     | 0.7              | 0.58     |

| Determinand            | Units    | Monitoring Point |          |          |          |          |          |
|------------------------|----------|------------------|----------|----------|----------|----------|----------|
|                        |          | EFD              |          |          | SWD      |          |          |
|                        |          | 12/04/18         | 15/05/18 | 19/06/18 | 12/04/18 | 15/05/18 | 19/06/18 |
| Mecoprop               | mg/l     | -                | -        | -        | -        | -        | -        |
| pH                     | pH units | 7.1              | 7.4      | 6.9      | 7.2      | 6.4      | 7.4      |
| Conductivity           | µS/cm    | 340              | 354      | 519      | 741      | 801      | 262      |
| Ammonia                | mg/l     | 0.07             | <0.01    | 0.02     | 63       | 0.35     | 0.07     |
| BOD                    | mg/l     | 1.4              | 3.7      | 1        | 8.8      | 0.9      | <0.4     |
| TOC                    | mg/l     | -                | 24.5     | 46.6     | -        | 40.6     | 31.5     |
| Total Suspended Solids | mg/l     | <1.5             | <1.5     | 2        | 9.6      | <1.5     | 303      |

**Notes:**  shaded cell denotes below laboratory limit of detection

## **APPENDIX B**

### **Groundwater Levels and Quality Monitoring Data**



| Monitoring Point | Borehole Cover Level (mAOD) | 12/4/2018 |              | 17/5/2018 |            | 19/6/2018 |            |
|------------------|-----------------------------|-----------|--------------|-----------|------------|-----------|------------|
|                  |                             | Dip (m)   | Level (mAOD) | Dip (m)   | Level mAOD | Dip (m)   | Level mAOD |
| BH101            | 38.79                       | DRY       | -            | DRY       | -          | DRY       | -          |
| BH03 (102)       | 39.91                       | 1.8       | 38.11        | 1.8       | 38.11      | 1.8       | 38.11      |
| BH104            | 44.11                       | 2.16      | 41.95        | 2.16      | 41.95      | 2.16      | 41.95      |
| BH105            | 40.73                       | 1.35      | 39.38        | 1.35      | 39.38      | 1.35      | 39.38      |
| BH1              | 40.71                       | 1.1       | 39.61        | 1.1       | 39.61      | 1.1       | 39.61      |
| BH2              | 42.24                       | 3.6       | 38.64        | 3.6       | 38.64      | 3.6       | 38.64      |
| BH4              | 37.91                       | 3.2       | 34.71        | 3.2       | 34.71      | 3.2       | 34.71      |
| BH5              | 35.71                       | 1.69      | 34.02        | 1.69      | 34.02      | 1.69      | 34.02      |
| BH6              | 31.62                       | 1.81      | 29.81        | 1.81      | 29.81      | 1.81      | 29.81      |
| BH9              | 31.28                       | 1.96      | 29.32        | 1.96      | 29.32      | 1.96      | 29.32      |
| BH15             | 48.27                       | 1.26      | 47.01        | 1.26      | 47.01      | 1.26      | 47.01      |
| BH18             | 55.8                        | 6.77      | 49.03        | 6.77      | 49.03      | 6.77      | 49.03      |
| BH20             | 48.73                       | 1.66      | 47.07        | 1.66      | 47.07      | 1.66      | 47.07      |
| BH24             | 57.02                       | 4.62      | 52.4         | 4.62      | 52.4       | 4.62      | 52.4       |
| BH25             | 55.61                       | 5.96      | 49.65        | 5.96      | 49.65      | 5.96      | 49.65      |
| BH26             | 57.21                       | 2         | 55.21        | 2         | 55.21      | 2         | 55.21      |
| BH27             | 52.66                       | 3.42      | 49.24        | 3.42      | 49.24      | 3.42      | 49.24      |
| BH28             | 46.49                       | 2.52      | 43.97        | 2.52      | 43.97      | 2.52      | 43.97      |
| TP1              | 65.39                       | 1.41      | 63.98        | 1.41      | 63.98      | 1.41      | 63.98      |
| TP9              | 45.22                       | 2.11      | 43.11        | 2.11      | 43.11      | 2.11      | 43.11      |
| TP10             | 48.45                       | 0.5       | 47.95        | 0.5       | 47.95      | 0.5       | 47.95      |
| TP11             | 40.93                       | 1.5       | 39.43        | 1.5       | 39.43      | 1.5       | 39.43      |
| TP12             | 43.47                       | 1.71      | 41.76        | 1.71      | 41.76      | 1.71      | 41.76      |
| GW01             | 55.21                       | 2.9       | 52.31        | 2.9       | 52.31      | 2.9       | 52.31      |

**Notes:** - dash denotes not measured

**Table 1: TP9, TP11, TP12, BH104, BH20, BH22\* & BH23\* compliance limits**

| Determinands        | Compliance Limit | Units | Monitoring Point |          |          |          |          |          |          |          |          |
|---------------------|------------------|-------|------------------|----------|----------|----------|----------|----------|----------|----------|----------|
|                     |                  |       | TP9              |          |          | TP11     |          |          | TP12     |          |          |
|                     |                  |       | 12/04/18         | 15/05/18 | 19/06/18 | 12/04/18 | 15/05/18 | 19/06/18 | 12/04/18 | 15/05/18 | 19/06/18 |
| Ammoniacal Nitrogen | 12               | mg/l  | 0.05             | 0.01     | <0.01    | 0.03     | 0.02     | <0.01    | 0.01     | <0.01    | 0.02     |
| Chloride            | 250              | mg/l  | 16.3             | 12.9     | 15.8     | 19.6     | 17.9     | 19.7     | 17       | 12.2     | 19       |
| Nickel              | 0.05             | mg/l  | -                | 0.022    | -        | -        | 0.008    | -        | -        | 0.015    | -        |
| Phenol              | 0.15             | mg/l  | -                | <0.02    | -        | -        | <0.02    | -        | -        | <0.02    | -        |
| Cadmium             | 0.0095           | mg/l  | -                | 0.000098 | -        | -        | <0.00008 | -        | -        | 0.00064  | -        |
| Mecoprop            | 0.0001           | mg/l  | <0.0001          | <0.0001  | -        | -        | <0.0001  | -        | -        | <0.0001  | -        |
| Naphthalene         | 0.00001          | mg/l  | -                | <0.00005 | -        | -        | <0.00005 | -        | -        | <0.00005 | -        |

| Determinands        | Compliance Limit | Units | Monitoring Point |          |          |
|---------------------|------------------|-------|------------------|----------|----------|
|                     |                  |       | BH104            |          |          |
|                     |                  |       | 12/04/18         | 15/05/18 | 19/06/18 |
| Ammoniacal Nitrogen | 12               | mg/l  | <0.01            | 0.78     | <0.01    |
| Chloride            | 250              | mg/l  | 17.6             | 12.7     | 20.9     |
| Nickel              | 0.05             | mg/l  | -                | 0.008    | -        |
| Phenol              | 0.15             | mg/l  | -                | <0.02    | -        |
| Cadmium             | 0.0095           | mg/l  | -                | 0.000083 | -        |
| Mecoprop            | 0.0001           | mg/l  | -                | <0.0001  | -        |
| Naphthalene         | 0.00001          | mg/l  | -                | <0.00005 | -        |

\*Monitoring results for BH22 and BH23 are not available as they were decommissioned in July 2015 as the site was developed

**Table 2: BH1, BH2, BH101 & BH105 compliance limits**

| Determinands | Compliance Limit | Units | Monitoring Point |          |          |          |          |          |          |          |          |
|--------------|------------------|-------|------------------|----------|----------|----------|----------|----------|----------|----------|----------|
|              |                  |       | BH1              |          |          | BH2      |          |          | BH101    |          |          |
|              |                  |       | 12/04/18         | 15/05/18 | 19/06/18 | 12/04/18 | 15/05/18 | 19/06/18 | 12/04/18 | 15/05/18 | 19/06/18 |
| Cadmium      | 0.002            | mg/l  | 0.00031          | <0.00008 | <0.00008 | 0.00033  | 0.00081  | 0.0015   | NS - DRY |          |          |
| Phenol       | 0.15             | mg/l  | -                | <0.02    | -        | -        | <0.02    | -        |          |          |          |

| Determinands | Compliance Limit | Units | Monitoring Point BH105 |          |           |
|--------------|------------------|-------|------------------------|----------|-----------|
|              |                  |       | 12/04/18               | 15/05/18 | 19/06/18  |
| Cadmium      | 0.002            | mg/l  | 0.00023                | 0.00013  | <0.000080 |
| Phenol       | 0.15             | mg/l  | -                      | <0.02    | -         |

**Table 3: BH1 compliance limits**

| Determinands        | Compliance Limit | Units | Monitoring Point BH1 |          |          |
|---------------------|------------------|-------|----------------------|----------|----------|
|                     |                  |       | 12/04/18             | 15/05/18 | 19/06/18 |
| Ammoniacal Nitrogen | 1.328            | mg/l  | 0.21                 | 0.03     | 0.01     |
| Chloride            | 117              | mg/l  | 11.6                 | 15.3     | 30.4     |
| Nickel              | 0.02             | mg/l  | -                    | 0.019    | -        |
| Mecoprop            | 0.0001           | mg/l  | -                    | <0.0001  | -        |
| Naphthalene         | 0.00003          | mg/l  | -                    | <0.00005 | -        |

**Table 4: BH2 compliance limits**

| Determinands        | Compliance Limit | Units | Monitoring Point BH2 |          |          |
|---------------------|------------------|-------|----------------------|----------|----------|
|                     |                  |       | 12/04/18             | 15/05/18 | 19/06/18 |
| Ammoniacal Nitrogen | 5.2              | mg/l  | <0.01                | 0.06     | 0.01     |
| Chloride            | 180              | mg/l  | 28                   | 27.1     | 30.4     |
| Nickel              | 0.02             | mg/l  | -                    | 0.018    | -        |
| Mecoprop            | 0.0001           | mg/l  | -                    | <0.0001  | -        |
| Naphthalene         | 0.00006          | mg/l  | -                    | <0.00005 | -        |

**Table 5: BH101 and BH102 (BH3) compliance limits**

| Determinands        | Compliance Limit | Units | Monitoring Point |          |          |             |          |          |
|---------------------|------------------|-------|------------------|----------|----------|-------------|----------|----------|
|                     |                  |       | BH101            |          |          | BH102 (BH3) |          |          |
|                     |                  |       | 12/04/18         | 15/05/18 | 19/06/18 | 12/04/18    | 15/05/18 | 19/06/18 |
| Ammoniacal Nitrogen | 25.4             | mg/l  | NS - DRY         |          |          | -           | 0.14     | -        |
| Chloride            | 116.4            | mg/l  |                  |          |          | -           | 21.1     | -        |
| Nickel              | 0.02             | mg/l  |                  |          |          | -           | 0.004    | -        |
| Mecoprop            | 0.0001           | mg/l  |                  |          |          | -           | <0.0001  | -        |
| Naphthalene         | 0.00006          | mg/l  |                  |          |          | -           | <0.00005 | -        |

**Table 6: BH105 compliance limits**

| Determinands        | Compliance Limit | Units | Monitoring Point |          |          |
|---------------------|------------------|-------|------------------|----------|----------|
|                     |                  |       | BH105            |          |          |
|                     |                  |       | 12/04/18         | 15/05/18 | 19/06/18 |
| Ammoniacal Nitrogen | 0.5              | mg/l  | 0.03             | 0.03     | 0.02     |
| Chloride            | 50               | mg/l  | 21.3             | 26.4     | 24.1     |
| Nickel              | 0.031            | mg/l  | -                | 0.009    | -        |
| Mecropop            | 0.0001           | mg/l  | <0.0001          | <0.0001  | <0.0001  |
| Napthalene          | 0.0001           | mg/l  | -                | <0.00005 | -        |

**Table 7: BH4 compliance limits**

| Determinands        | Compliance Limit | Units | Monitoring Point BH4 |          |          |
|---------------------|------------------|-------|----------------------|----------|----------|
|                     |                  |       | 12/04/18             | 15/05/18 | 19/06/18 |
| Ammoniacal Nitrogen | 1.45             | mg/l  | <0.01                | <0.01    | 0.01     |
| Chloride            | 64.7             | mg/l  | 28                   | 17.7     | 18.7     |
| Nickel              | 0.02             | mg/l  | -                    | 0.014    | -        |
| Phenol              | 0.15             | mg/l  | -                    | <0.02    | -        |
| Cadmium             | 0.0001           | mg/l  | -                    | <0.00008 | -        |
| Mecropop            | 0.0001           | mg/l  | -                    | <0.0001  | -        |
| Napthalene          | 0.00001          | mg/l  | -                    | <0.00005 | -        |

**Table 8: BH5 compliance limits**

| Determinands        | Compliance Limit | Units | Monitoring Point BH5 |          |          |
|---------------------|------------------|-------|----------------------|----------|----------|
|                     |                  |       | 12/04/18             | 15/05/18 | 19/06/18 |
| Ammoniacal Nitrogen | 1.18             | mg/l  | 0.07                 | <0.01    | 0.01     |
| Chloride            | 50               | mg/l  | 20.5                 | 18.2     | 18.8     |
| Nickel              | 0.02             | mg/l  | -                    | 0.011    | -        |
| Phenol              | 0.15             | mg/l  | -                    | <0.02    | -        |
| Cadmium             | 0.001            | mg/l  | -                    | <0.00008 | -        |
| Mecropop            | 0.0001           | mg/l  | -                    | <0.0001  | -        |
| Napthalene          | 0.00046          | mg/l  | -                    | <0.00005 | -        |

**Notes:**

- exceedance of compliance limit
- below laboratory limit of detection
- not tested
- NS not sampled

## **APPENDIX C**

### **Surface Water Quality Monitoring Data**

| Determinand            | Units    | Monitoring Point |          |          |          |          |          |          |          |          |          |          |          |
|------------------------|----------|------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                        |          | SP1              |          |          | SP3      |          |          | SP5      |          |          | SP6      |          |          |
|                        |          | 12/04/18         | 15/05/18 | 19/06/18 | 12/04/18 | 15/05/18 | 19/06/18 | 12/04/18 | 15/05/18 | 19/06/18 | 12/04/18 | 15/05/18 | 19/06/18 |
| pH                     | pH units | 7.1              | 7.8      | 7.3      | 7.2      | 7.9      | 7.2      | 7.1      | 7.7      | 7.1      | 7.6      | 7.8      | 7.2      |
| Conductivity           | µS/cm    | 172              | 185      | 219      | 168      | 214      | 211      | 169      | 210      | 219      | 165      | 208      | 210      |
| Total suspended solids | mg/l     | 10.8             | <1.5     | <1.5     | <1.5     | <1.5     | <1.5     | 5.2      | <1.5     | <1.5     | <1.5     | 4.4      | <1.5     |
| Ammonia                | mg/l     | 0.04             | 0.01     | <0.01    | 0.03     | <0.01    | <0.01    | 0.03     | <0.01    | <0.01    | 0.02     | <0.01    | <0.01    |
| Chloride               | mg/l     | 18.3             | 18.6     | 19.8     | 19.3     | 17.8     | 18.8     | 19.7     | 18.8     | 19.7     | 19.4     | 18.7     | 18.8     |
| Dissolved Oxygen       | mg/l     | 9.3              | 10.2     | 9.4      | 9.6      | 9.9      | 9.7      | 10       | 10       | 9.7      | 9.7      | 9.9      | 9.6      |
| BOD                    | mg/l     | 1.7              | 1.1      | <0.4     | <0.4     | 1.8      | 0.4      | 1.7      | 1.4      | 0.5      | 1.8      | 1.7      | 0.5      |
| COD                    | mg/l     | 15               | 6        | <2       | 12       | 10       | 9        | 16       | 6        | <2       | 11       | 7        | 3        |
| Cadmium                | mg/l     | 0.00012          | 0.0001   | 0.00017  | 0.00014  | <0.00008 | 0.00011  | 0.00039  | <0.00008 | <0.00008 | <0.00008 | <0.00008 | 0.0001   |
| Nickel                 | mg/l     | 0.002            | 0.0097   | 0.0012   | 0.0038   | 0.0078   | 0.005    | 0.004    | 0.0065   | 0.005    | 0.0046   | 0.0143   | 0.0054   |
| Mercury                | mg/l     | <0.0005          | <0.0005  | <0.0005  | <0.0005  | <0.0005  | <0.0005  | <0.0005  | <0.0005  | <0.0005  | <0.0005  | <0.0005  | <0.0005  |
| Mecoprop               | mg/l     | <0.0001          | <0.0001  | <0.0001  | <0.0001  | <0.0001  | <0.0001  | <0.0001  | <0.0001  | <0.0001  | <0.0001  | <0.0001  | <0.0001  |
| Ortho-Phosphate        | mg/l     | 0.22             | 0.19     | 0.11     | 0.17     | 0.15     | 0.09     | 0.16     | 0.08     | 0.13     | 0.12     | 0.21     | 0.13     |

| Determinand            | Units    | Monitoring Point |          |          |          |          |          |
|------------------------|----------|------------------|----------|----------|----------|----------|----------|
|                        |          | SP7              |          |          | D1       |          |          |
|                        |          | 12/04/18         | 15/05/18 | 19/06/18 | 12/04/18 | 15/05/18 | 19/06/18 |
| pH                     | pH units | 7.4              | 7.9      | 7        | 7        | 7.6      | 7        |
| Conductivity           | µS/cm    | 201              | 211      | 350      | 357      | 314      | 344      |
| Total suspended solids | mg/l     | <1.5             | 4.8      | 1.6      | <1.5     | <1.5     | <1.5     |
| Ammonia                | mg/l     | 0.03             | <0.01    | 0.01     | 0.03     | 0.08     | <0.01    |
| Chloride               | mg/l     | 19.1             | 18.4     | 20.1     | 20.5     | 17.1     | 17.6     |
| Dissolved Oxygen       | mg/l     | 9.6              | 9.7      | 9.4      | 9.4      | 7.6      | 9.6      |
| BOD                    | mg/l     | 1.2              | 1.3      | 0.8      | 1.9      | 2.3      | 0.8      |
| COD                    | mg/l     | 12               | 12       | 14       | 14       | 15       | 5        |
| Cadmium                | mg/l     | 0.00013          | 0.00017  | 0.0002   | 0.000093 | <0.00008 | <0.00008 |
| Nickel                 | mg/l     | 0.0043           | 0.0124   | 0.0027   | 0.0035   | 0.0066   | 0.0066   |
| Mercury                | mg/l     | <0.0005          | <0.0005  | <0.0005  | <0.0005  | <0.0005  | <0.0005  |
| Mecoprop               | mg/l     | <0.0001          | <0.0001  | <0.0001  | <0.0001  | <0.0001  | <0.0001  |
| Ortho-Phosphate        | mg/l     | 0.17             | 0.23     | 0.12     | 0.16     | <0.00052 | 0.08     |

**Table 1: Point source emissions to water - Monitoring point D1 compliance limits**

| Determinand              | Compliance Limit | Units    | Monitoring Point |          |          |
|--------------------------|------------------|----------|------------------|----------|----------|
|                          |                  |          | D1               |          |          |
|                          |                  |          | 12/04/18         | 15/05/18 | 19/06/18 |
| pH                       | 6 to 9           | pH units | 7                | 7.6      | 7        |
| Total suspended solids   | 30               | mg/l     | <1.5             | <1.5     | <1.5     |
| Ammoniacal Nitrogen      | 0.5              | mg/l     | 0.11             | 0.11     | <0.01    |
| Biological Oxygen Demand | 17               | mg/l     | 3.5              | 1.3      | 0.8      |
| Chemical Oxygen Demand   | 150              | mg/l     | 21               | 7        | 5        |
| Chloride                 | 250              | mg/l     | 21.7             | 21.4     | 16.7     |

**Notes:**

|  |                                           |
|--|-------------------------------------------|
|  | exceedance of compliance limit            |
|  | value below laboratory limit of detection |

## **APPENDIX D**

### **D1 Flow Rate Results**



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |            |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s) |
| 1/4/2018      | 00:23:22  | -0.098   | 44.02            | 12.94    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 00:53:22  | -0.098   | 44.11            | 13.02    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 01:23:22  | -0.098   | 44.06            | 13.15    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 01:53:22  | -0.099   | 44.02            | 13.31    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 02:23:22  | -0.098   | 44.43            | 13.47    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 02:53:22  | -0.098   | 44.79            | 13.67    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 03:23:22  | -0.098   | 45.28            | 13.91    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 03:53:22  | -0.098   | 45.6             | 14.12    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 04:23:22  | -0.098   | 45.83            | 14.18    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 04:53:22  | -0.098   | 45.92            | 14.16    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 05:23:22  | -0.098   | 46.37            | 14.11    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 05:53:22  | -0.098   | 46.69            | 14.1     | 0                | 0            | 0               | 0          |
| 1/4/2018      | 06:23:22  | -0.098   | 46.6             | 14.11    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 06:53:22  | -0.099   | 46.64            | 14.1     | 0                | 0            | 0               | 0          |
| 1/4/2018      | 07:23:22  | -0.099   | 46.55            | 14.04    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 07:53:22  | -0.102   | 46.1             | 13.98    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 08:23:22  | -0.1     | 45.83            | 13.88    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 08:53:22  | -0.1     | 45.74            | 13.74    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 09:23:22  | -0.1     | 45.65            | 13.59    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 09:53:22  | -0.099   | 45.51            | 13.45    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 10:23:22  | -0.098   | 45.65            | 13.33    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 10:53:22  | -0.096   | 45.87            | 13.21    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 11:23:22  | -0.096   | 45.78            | 13.15    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 11:53:22  | -0.096   | 45.74            | 13.09    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 12:23:22  | -0.096   | 45.6             | 13.04    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 12:53:22  | -0.095   | 45.47            | 13       | 0                | 0            | 0               | 0          |
| 1/4/2018      | 13:23:22  | -0.093   | 45.42            | 12.96    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 13:53:22  | -0.091   | 45.47            | 12.91    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 14:23:22  | -0.093   | 44.83            | 12.88    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 14:53:22  | -0.097   | 44.06            | 12.86    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 15:23:22  | -0.095   | 44.2             | 12.82    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 15:53:22  | -0.097   | 43.93            | 12.82    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 16:23:22  | -0.095   | 44.92            | 12.79    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 16:53:22  | -0.09    | 45.01            | 12.8     | 0                | 0            | 0               | 0          |
| 1/4/2018      | 17:23:22  | -0.09    | 44.88            | 12.85    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 17:53:22  | -0.078   | 44.92            | 12.88    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 18:23:22  | -0.095   | 44.83            | 12.94    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 18:53:22  | -0.092   | 44.88            | 12.98    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 19:23:22  | -0.093   | 44.83            | 12.99    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 19:53:22  | -0.094   | 44.83            | 13.04    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 20:23:22  | -0.089   | 44.79            | 13.1     | 0                | 0            | 0               | 0          |
| 1/4/2018      | 20:53:22  | -0.093   | 44.79            | 13.17    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 21:23:22  | -0.097   | 44.79            | 13.25    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 21:53:22  | -0.092   | 44.79            | 13.4     | 0                | 0            | 0               | 0          |
| 1/4/2018      | 22:23:22  | -0.098   | 44.79            | 13.51    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 22:53:22  | -0.1     | 44.74            | 13.54    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 23:23:22  | -0.098   | 44.74            | 13.55    | 0                | 0            | 0               | 0          |
| 1/4/2018      | 23:53:22  | -0.113   | 44.74            | 13.57    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 00:23:22  | -0.112   | 44.65            | 13.57    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 00:53:22  | -0.11    | 44.61            | 13.52    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 01:23:22  | -0.112   | 44.52            | 13.51    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 01:53:22  | -0.113   | 44.47            | 13.5     | 0                | 0            | 0               | 0          |
| 2/4/2018      | 02:23:22  | -0.117   | 44.43            | 13.5     | 0                | 0            | 0               | 0          |
| 2/4/2018      | 02:53:22  | -0.12    | 44.43            | 13.54    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 03:23:22  | -0.124   | 44.43            | 13.62    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 03:53:22  | -0.115   | 44.47            | 13.64    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 04:23:22  | -0.106   | 44.47            | 13.65    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 04:53:22  | -0.118   | 44.47            | 13.66    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 05:23:22  | -0.118   | 44.43            | 13.63    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 05:53:22  | -0.115   | 44.38            | 13.62    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 06:23:22  | -0.113   | 44.34            | 13.6     | 0                | 0            | 0               | 0          |
| 2/4/2018      | 06:53:22  | -0.126   | 44.34            | 13.59    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 07:23:22  | -0.138   | 44.38            | 13.58    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 07:53:22  | -0.146   | 44.47            | 13.59    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 08:23:22  | -0.14    | 44.52            | 13.6     | 0                | 0            | 0               | 0          |
| 2/4/2018      | 08:53:22  | -0.117   | 44.56            | 13.55    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 09:23:22  | -0.103   | 44.56            | 13.51    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 09:53:22  | -0.103   | 44.61            | 13.47    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 10:23:22  | -0.126   | 44.61            | 13.48    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 10:53:22  | -0.11    | 44.65            | 13.45    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 11:23:22  | -0.1     | 44.61            | 13.41    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 11:53:22  | -0.103   | 44.61            | 13.39    | 0                | 0            | 0               | 0          |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |            |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s) |
| 2/4/2018      | 12:23:22  | -0.093   | 44.61            | 13.36    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 12:53:22  | -0.114   | 44.61            | 13.36    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 13:23:22  | -0.118   | 44.61            | 13.34    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 13:53:22  | -0.103   | 44.65            | 13.33    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 14:23:22  | -0.103   | 44.74            | 13.32    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 14:53:22  | -0.098   | 44.79            | 13.31    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 15:23:22  | -0.107   | 44.88            | 13.3     | 0                | 0            | 0               | 0          |
| 2/4/2018      | 15:53:22  | -0.105   | 44.92            | 13.3     | 0                | 0            | 0               | 0          |
| 2/4/2018      | 16:23:22  | -0.111   | 45.01            | 13.28    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 16:53:22  | -0.1     | 45.1             | 13.26    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 17:23:22  | -0.113   | 45.19            | 13.23    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 17:53:22  | -0.099   | 45.33            | 13.2     | 0                | 0            | 0               | 0          |
| 2/4/2018      | 18:23:22  | -0.101   | 45.38            | 13.19    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 18:53:22  | -0.091   | 45.51            | 13.16    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 19:23:22  | -0.096   | 45.56            | 13.15    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 19:53:22  | -0.096   | 45.6             | 13.16    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 20:23:22  | -0.101   | 45.74            | 13.18    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 20:53:22  | -0.102   | 45.74            | 13.15    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 21:23:22  | -0.106   | 45.78            | 13.17    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 21:53:22  | -0.092   | 45.92            | 13.15    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 22:23:22  | -0.097   | 46.01            | 13.15    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 22:53:22  | -0.071   | 45.96            | 13.12    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 23:23:22  | -0.091   | 46.05            | 13.13    | 0                | 0            | 0               | 0          |
| 2/4/2018      | 23:53:22  | -0.089   | 46.05            | 13.14    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 00:23:22  | -0.099   | 46.05            | 13.15    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 00:53:22  | -0.089   | 46.19            | 13.14    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 01:23:22  | -0.096   | 46.19            | 13.2     | 0                | 0            | 0               | 0          |
| 3/4/2018      | 01:53:22  | -0.094   | 46.28            | 13.24    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 02:23:22  | -0.107   | 46.41            | 13.55    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 02:53:22  | -0.105   | 46.73            | 13.89    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 03:23:22  | -0.102   | 46.96            | 14.21    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 03:53:22  | -0.09    | 47.23            | 14.38    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 04:23:22  | -0.088   | 47.54            | 14.43    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 04:53:22  | -0.118   | 47.59            | 14.44    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 05:23:22  | -0.122   | 47.86            | 14.4     | 0                | 0            | 0               | 0          |
| 3/4/2018      | 05:53:22  | -0.113   | 48.09            | 14.36    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 06:23:22  | -0.106   | 48.27            | 14.32    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 06:53:22  | -0.11    | 48.49            | 14.29    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 07:23:22  | -0.119   | 48.54            | 14.26    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 07:53:22  | -0.109   | 48.72            | 14.22    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 08:23:22  | -0.12    | 48.9             | 14.14    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 08:53:22  | -0.119   | 48.9             | 14.16    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 09:23:22  | -0.125   | 48.94            | 14.13    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 09:53:22  | -0.112   | 48.99            | 13.99    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 10:23:22  | -0.109   | 49.04            | 13.84    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 10:53:22  | -0.103   | 49.04            | 13.71    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 11:23:22  | -0.098   | 49.08            | 13.59    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 11:53:22  | -0.093   | 49.13            | 13.48    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 12:23:22  | -0.086   | 49.08            | 13.37    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 12:53:22  | -0.102   | 49.08            | 13.29    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 13:23:22  | -0.106   | 48.99            | 13.21    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 13:53:22  | -0.097   | 48.99            | 13.12    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 14:23:22  | -0.105   | 49.04            | 13.06    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 14:53:22  | -0.106   | 49.04            | 13.02    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 15:23:22  | -0.108   | 49.13            | 13.01    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 15:53:22  | -0.117   | 49.17            | 13.01    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 16:23:22  | -0.1     | 49.22            | 12.96    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 16:53:22  | -0.11    | 49.22            | 12.96    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 17:23:22  | -0.104   | 49.22            | 12.95    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 17:53:22  | -0.098   | 49.22            | 12.92    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 18:23:22  | -0.095   | 49.17            | 12.89    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 18:53:22  | -0.111   | 49.08            | 12.89    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 19:23:22  | -0.1     | 49.08            | 12.86    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 19:53:22  | -0.098   | 49.04            | 12.83    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 20:23:22  | -0.098   | 49.04            | 12.83    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 20:53:22  | -0.106   | 48.94            | 12.84    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 21:23:22  | -0.105   | 48.81            | 12.82    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 21:53:22  | -0.104   | 48.81            | 12.8     | 0                | 0            | 0               | 0          |
| 3/4/2018      | 22:23:22  | -0.11    | 48.63            | 12.77    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 22:53:22  | -0.104   | 48.63            | 12.74    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 23:23:22  | -0.096   | 48.49            | 12.74    | 0                | 0            | 0               | 0          |
| 3/4/2018      | 23:53:22  | -0.098   | 48.4             | 12.71    | 0                | 0            | 0               | 0          |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |            |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s) |
| 4/4/2018      | 00:23:22  | -0.094   | 48.31            | 12.7     | 0                | 0            | 0               | 0          |
| 4/4/2018      | 00:53:22  | -0.092   | 48.27            | 12.68    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 01:23:22  | -0.085   | 48.31            | 12.82    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 01:53:22  | -0.077   | 48.58            | 13.55    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 02:23:22  | -0.094   | 48.63            | 13.97    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 02:53:22  | -0.108   | 48.81            | 14.31    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 03:23:22  | -0.093   | 48.99            | 14.45    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 03:53:22  | -0.077   | 49.17            | 14.45    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 04:23:22  | -0.095   | 48.81            | 14.38    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 04:53:22  | -0.092   | 48.54            | 14.16    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 05:23:22  | -0.089   | 48.4             | 13.97    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 05:53:22  | -0.092   | 48.31            | 13.81    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 06:23:22  | -0.09    | 48.36            | 13.66    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 06:53:22  | -0.08    | 48.49            | 13.5     | 0                | 0            | 0               | 0          |
| 4/4/2018      | 07:23:22  | -0.071   | 48.49            | 13.36    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 07:53:22  | -0.09    | 48.49            | 13.3     | 0                | 0            | 0               | 0          |
| 4/4/2018      | 08:23:22  | -0.084   | 48.63            | 13.2     | 0                | 0            | 0               | 0          |
| 4/4/2018      | 08:53:22  | -0.078   | 48.67            | 13.14    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 09:23:22  | -0.086   | 48.81            | 13.12    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 09:53:22  | -0.083   | 48.72            | 13.06    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 10:23:22  | -0.098   | 48.76            | 12.99    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 10:53:22  | -0.088   | 48.72            | 12.86    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 11:23:22  | -0.089   | 48.58            | 12.79    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 11:53:22  | -0.09    | 48.54            | 12.72    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 12:23:22  | -0.096   | 48.45            | 12.65    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 12:53:22  | -0.101   | 48.36            | 12.59    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 13:23:22  | -0.098   | 48.22            | 12.54    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 13:53:22  | -0.085   | 48.09            | 12.5     | 0                | 0            | 0               | 0          |
| 4/4/2018      | 14:23:22  | -0.091   | 47.95            | 12.46    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 14:53:22  | -0.093   | 47.91            | 12.43    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 15:23:22  | -0.089   | 47.82            | 12.4     | 0                | 0            | 0               | 0          |
| 4/4/2018      | 15:53:22  | -0.099   | 47.68            | 12.4     | 0                | 0            | 0               | 0          |
| 4/4/2018      | 16:23:22  | -0.098   | 47.59            | 12.35    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 16:53:22  | -0.098   | 47.45            | 12.29    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 17:23:22  | -0.107   | 47.36            | 12.27    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 17:53:22  | -0.104   | 47.27            | 12.24    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 18:23:22  | -0.098   | 47.14            | 12.23    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 18:53:22  | -0.099   | 47               | 12.25    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 19:23:22  | -0.099   | 46.91            | 12.27    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 19:53:22  | -0.096   | 46.87            | 12.26    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 20:23:22  | -0.092   | 46.73            | 12.22    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 20:53:22  | -0.098   | 46.64            | 12.18    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 21:23:22  | -0.089   | 46.5             | 12.07    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 21:53:22  | -0.099   | 46.37            | 12.02    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 22:23:22  | -0.093   | 46.19            | 11.96    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 22:53:22  | -0.098   | 46.01            | 11.91    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 23:23:22  | -0.094   | 45.87            | 11.89    | 0                | 0            | 0               | 0          |
| 4/4/2018      | 23:53:22  | -0.095   | 45.78            | 11.87    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 00:23:22  | -0.102   | 45.69            | 11.92    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 00:53:22  | -0.107   | 45.69            | 12.39    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 01:23:22  | -0.104   | 45.74            | 13.3     | 0                | 0            | 0               | 0          |
| 5/4/2018      | 01:53:22  | -0.099   | 45.92            | 14       | 0                | 0            | 0               | 0          |
| 5/4/2018      | 02:23:22  | -0.098   | 46.1             | 14.43    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 02:53:22  | -0.103   | 46.32            | 14.66    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 03:23:22  | -0.097   | 46.64            | 14.72    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 03:53:22  | -0.098   | 47.18            | 14.7     | 0                | 0            | 0               | 0          |
| 5/4/2018      | 04:23:22  | -0.101   | 47.68            | 14.73    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 04:53:22  | -0.096   | 48.4             | 14.79    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 05:23:22  | -0.096   | 48.99            | 14.83    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 05:53:22  | -0.098   | 49.35            | 14.79    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 06:23:22  | -0.097   | 49.76            | 14.68    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 06:53:22  | -0.098   | 49.98            | 14.61    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 07:23:22  | -0.101   | 50.26            | 14.55    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 07:53:22  | -0.097   | 50.39            | 14.44    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 08:23:22  | -0.101   | 50.53            | 14.35    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 08:53:22  | -0.099   | 50.66            | 14.24    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 09:23:22  | -0.096   | 51.25            | 14.19    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 09:53:22  | -0.098   | 51.48            | 14.19    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 10:23:22  | -0.094   | 51.66            | 14.11    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 10:53:22  | -0.103   | 51.43            | 14.03    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 11:23:22  | -0.102   | 51.29            | 13.91    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 11:53:22  | -0.104   | 50.93            | 13.78    | 0                | 0            | 0               | 0          |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |            |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s) |
| 5/4/2018      | 12:23:22  | -0.101   | 50.53            | 13.65    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 12:53:22  | -0.106   | 50.39            | 13.52    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 13:23:22  | -0.103   | 50.03            | 13.41    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 13:53:22  | -0.102   | 49.8             | 13.32    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 14:23:22  | -0.105   | 49.62            | 13.24    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 14:53:22  | -0.098   | 49.31            | 13.17    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 15:23:22  | -0.099   | 49.13            | 13.13    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 15:53:22  | -0.099   | 48.9             | 13.1     | 0                | 0            | 0               | 0          |
| 5/4/2018      | 16:23:22  | -0.101   | 48.67            | 13.08    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 16:53:22  | -0.103   | 48.36            | 13.06    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 17:23:22  | -0.098   | 48.18            | 13.02    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 17:53:22  | -0.104   | 47.95            | 12.99    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 18:23:22  | -0.1     | 47.72            | 12.95    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 18:53:22  | -0.1     | 47.5             | 12.91    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 19:23:22  | -0.105   | 47.32            | 12.91    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 19:53:22  | -0.105   | 47.09            | 12.9     | 0                | 0            | 0               | 0          |
| 5/4/2018      | 20:23:22  | -0.103   | 46.96            | 12.89    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 20:53:22  | -0.106   | 46.87            | 12.91    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 21:23:22  | -0.096   | 46.69            | 12.91    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 21:53:22  | -0.102   | 46.6             | 12.93    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 22:23:22  | -0.094   | 46.46            | 12.91    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 22:53:22  | -0.101   | 46.37            | 12.93    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 23:23:22  | -0.102   | 46.23            | 12.94    | 0                | 0            | 0               | 0          |
| 5/4/2018      | 23:53:22  | -0.104   | 46.19            | 12.94    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 00:23:22  | -0.104   | 46.14            | 12.96    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 00:53:22  | -0.096   | 46.14            | 12.99    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 01:23:22  | -0.094   | 46.23            | 13.17    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 01:53:22  | -0.096   | 46.37            | 13.34    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 02:23:22  | -0.096   | 46.41            | 13.39    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 02:53:22  | -0.091   | 46.55            | 13.39    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 03:23:22  | -0.095   | 46.73            | 13.44    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 03:53:22  | -0.097   | 46.82            | 13.46    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 04:23:22  | -0.097   | 46.87            | 13.38    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 04:53:22  | -0.092   | 46.87            | 13.2     | 0                | 0            | 0               | 0          |
| 6/4/2018      | 05:23:22  | -0.097   | 46.82            | 13.09    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 05:53:22  | -0.1     | 46.87            | 13.02    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 06:23:22  | -0.104   | 46.91            | 12.99    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 06:53:22  | -0.098   | 47               | 13.02    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 07:23:22  | -0.094   | 47.09            | 13.08    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 07:53:22  | -0.098   | 47.27            | 13.15    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 08:23:22  | -0.097   | 47.41            | 13.2     | 0                | 0            | 0               | 0          |
| 6/4/2018      | 08:53:22  | -0.096   | 47.63            | 13.23    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 09:23:22  | -0.092   | 47.91            | 13.33    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 09:53:22  | -0.093   | 48.13            | 13.41    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 10:23:22  | -0.092   | 48.18            | 13.41    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 10:53:22  | -0.088   | 48.27            | 13.36    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 11:23:22  | -0.094   | 48.22            | 13.3     | 0                | 0            | 0               | 0          |
| 6/4/2018      | 11:53:22  | -0.093   | 48.18            | 13.2     | 0                | 0            | 0               | 0          |
| 6/4/2018      | 12:23:22  | -0.091   | 48.04            | 13.1     | 0                | 0            | 0               | 0          |
| 6/4/2018      | 12:53:22  | -0.089   | 47.95            | 12.99    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 13:23:22  | -0.092   | 47.82            | 12.87    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 13:53:22  | -0.096   | 47.77            | 12.78    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 14:23:22  | -0.096   | 47.63            | 12.73    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 14:53:22  | -0.096   | 47.59            | 12.66    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 15:23:22  | -0.1     | 47.54            | 12.65    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 15:53:22  | -0.105   | 47.41            | 12.61    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 16:23:22  | -0.098   | 47.32            | 12.53    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 16:53:22  | -0.097   | 47.27            | 12.47    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 17:23:22  | -0.093   | 47.18            | 12.45    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 17:53:22  | -0.094   | 47.14            | 12.45    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 18:23:22  | -0.09    | 47.14            | 12.46    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 18:53:22  | -0.105   | 47.09            | 12.46    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 19:23:22  | -0.1     | 47.05            | 12.45    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 19:53:22  | -0.099   | 47.05            | 12.42    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 20:23:22  | -0.105   | 47               | 12.41    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 20:53:22  | -0.091   | 47               | 12.38    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 21:23:22  | -0.103   | 47               | 12.38    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 21:53:22  | -0.103   | 47               | 12.42    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 22:23:22  | -0.098   | 47               | 12.44    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 22:53:22  | -0.097   | 47               | 12.45    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 23:23:22  | -0.098   | 46.96            | 12.43    | 0                | 0            | 0               | 0          |
| 6/4/2018      | 23:53:22  | -0.107   | 46.91            | 12.46    | 0                | 0            | 0               | 0          |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |            |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s) |
| 7/4/2018      | 00:23:22  | -0.103   | 46.91            | 12.43    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 00:53:22  | -0.1     | 46.91            | 12.42    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 01:23:22  | -0.103   | 46.87            | 12.46    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 01:53:22  | -0.096   | 46.87            | 12.48    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 02:23:22  | -0.103   | 46.91            | 12.52    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 02:53:22  | -0.105   | 46.91            | 12.59    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 03:23:22  | -0.098   | 46.91            | 12.61    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 03:53:22  | -0.11    | 47               | 12.65    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 04:23:22  | -0.101   | 47.09            | 12.69    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 04:53:22  | -0.095   | 47.27            | 12.74    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 05:23:22  | -0.098   | 47.41            | 12.78    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 05:53:22  | -0.1     | 47.54            | 12.93    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 06:23:22  | -0.098   | 47.68            | 13.23    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 06:53:22  | -0.102   | 47.77            | 13.51    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 07:23:22  | -0.097   | 48.13            | 13.78    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 07:53:22  | -0.102   | 48.31            | 13.91    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 08:23:22  | -0.098   | 48.49            | 13.79    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 08:53:22  | -0.104   | 48.9             | 13.77    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 09:23:22  | -0.099   | 49.44            | 13.84    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 09:53:22  | -0.092   | 49.71            | 13.74    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 10:23:22  | -0.095   | 49.71            | 13.68    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 10:53:22  | -0.093   | 49.67            | 13.6     | 0                | 0            | 0               | 0          |
| 7/4/2018      | 11:23:22  | -0.095   | 49.62            | 13.39    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 11:53:22  | -0.091   | 49.85            | 13.09    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 12:23:22  | -0.094   | 49.85            | 12.83    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 12:53:22  | -0.089   | 49.8             | 12.57    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 13:23:22  | -0.096   | 49.71            | 12.35    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 13:53:22  | -0.096   | 49.58            | 12.16    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 14:23:22  | -0.105   | 49.4             | 12.02    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 14:53:22  | -0.111   | 49.26            | 11.9     | 0                | 0            | 0               | 0          |
| 7/4/2018      | 15:23:22  | -0.104   | 49.08            | 11.79    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 15:53:22  | -0.101   | 48.9             | 11.73    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 16:23:22  | -0.1     | 48.72            | 11.67    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 16:53:22  | -0.1     | 48.54            | 11.62    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 17:23:22  | -0.095   | 48.36            | 11.57    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 17:53:22  | -0.1     | 48.18            | 11.53    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 18:23:22  | -0.098   | 48               | 11.52    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 18:53:22  | -0.094   | 47.86            | 11.5     | 0                | 0            | 0               | 0          |
| 7/4/2018      | 19:23:22  | -0.099   | 47.72            | 11.51    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 19:53:22  | -0.106   | 47.54            | 11.52    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 20:23:22  | -0.1     | 47.41            | 11.48    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 20:53:22  | -0.099   | 47.23            | 11.49    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 21:23:22  | -0.097   | 47.09            | 11.45    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 21:53:22  | -0.11    | 46.91            | 11.46    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 22:23:22  | -0.097   | 46.78            | 11.42    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 22:53:22  | -0.098   | 46.64            | 11.41    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 23:23:22  | -0.102   | 46.5             | 11.41    | 0                | 0            | 0               | 0          |
| 7/4/2018      | 23:53:22  | -0.107   | 46.37            | 11.42    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 00:23:22  | -0.089   | 46.28            | 11.41    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 00:53:22  | -0.095   | 46.28            | 11.62    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 01:23:22  | -0.105   | 46.37            | 12.15    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 01:53:22  | -0.095   | 46.6             | 13.09    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 02:23:22  | -0.095   | 46.82            | 13.86    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 02:53:22  | -0.098   | 47.23            | 14.3     | 0                | 0            | 0               | 0          |
| 8/4/2018      | 03:23:22  | -0.097   | 47.68            | 14.59    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 03:53:22  | -0.093   | 48.18            | 14.79    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 04:23:22  | -0.097   | 48.58            | 14.96    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 04:53:22  | -0.093   | 49.17            | 15.04    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 05:23:22  | -0.09    | 49.58            | 15.01    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 05:53:22  | -0.098   | 49.67            | 14.99    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 06:23:22  | -0.098   | 49.94            | 14.9     | 0                | 0            | 0               | 0          |
| 8/4/2018      | 06:53:22  | -0.089   | 50.8             | 14.91    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 07:23:22  | -0.094   | 51.93            | 14.99    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 07:53:22  | -0.096   | 52.51            | 15.05    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 08:23:22  | -0.097   | 52.33            | 14.98    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 08:53:22  | -0.098   | 51.93            | 14.91    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 09:23:22  | -0.097   | 52.24            | 14.8     | 0                | 0            | 0               | 0          |
| 8/4/2018      | 09:53:22  | -0.093   | 52.74            | 14.69    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 10:23:22  | -0.106   | 53.28            | 14.61    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 10:53:22  | -0.094   | 53.6             | 14.5     | 0                | 0            | 0               | 0          |
| 8/4/2018      | 11:23:22  | -0.098   | 53.46            | 14.4     | 0                | 0            | 0               | 0          |
| 8/4/2018      | 11:53:22  | -0.094   | 53.51            | 14.29    | 0                | 0            | 0               | 0          |



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |            |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s) |
| 8/4/2018      | 12:23:22  | -0.095   | 53.42            | 14.13    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 12:53:22  | -0.096   | 53.24            | 13.95    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 13:23:22  | -0.096   | 53.06            | 13.75    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 13:53:22  | -0.095   | 52.92            | 13.6     | 0                | 0            | 0               | 0          |
| 8/4/2018      | 14:23:22  | -0.095   | 52.6             | 13.47    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 14:53:22  | -0.093   | 52.38            | 13.36    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 15:23:22  | -0.096   | 52.2             | 13.26    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 15:53:22  | -0.105   | 51.93            | 13.18    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 16:23:22  | -0.096   | 51.7             | 13.06    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 16:53:22  | -0.106   | 51.43            | 12.96    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 17:23:22  | -0.096   | 51.11            | 12.83    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 17:53:22  | -0.098   | 50.84            | 12.72    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 18:23:22  | -0.098   | 50.57            | 12.64    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 18:53:22  | -0.113   | 50.3             | 12.59    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 19:23:22  | -0.099   | 50.03            | 12.51    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 19:53:22  | -0.097   | 49.76            | 12.43    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 20:23:22  | -0.098   | 49.49            | 12.38    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 20:53:22  | -0.101   | 49.26            | 12.32    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 21:23:22  | -0.098   | 48.99            | 12.25    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 21:53:22  | -0.106   | 48.76            | 12.21    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 22:23:22  | -0.1     | 48.54            | 12.17    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 22:53:22  | -0.104   | 48.31            | 12.19    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 23:23:22  | -0.103   | 48.09            | 12.15    | 0                | 0            | 0               | 0          |
| 8/4/2018      | 23:53:22  | -0.103   | 47.91            | 12.11    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 00:23:22  | -0.104   | 47.82            | 12.21    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 00:53:22  | -0.1     | 47.82            | 12.59    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 01:23:22  | -0.1     | 47.95            | 13.32    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 01:53:22  | -0.101   | 48.13            | 13.91    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 02:23:22  | -0.1     | 48.45            | 14.31    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 02:53:22  | -0.101   | 48.76            | 14.55    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 03:23:22  | -0.102   | 49.13            | 14.72    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 03:53:22  | -0.096   | 49.71            | 14.86    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 04:23:22  | -0.097   | 50.53            | 14.92    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 04:53:22  | -0.098   | 50.75            | 14.91    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 05:23:22  | -0.098   | 51.02            | 14.85    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 05:53:22  | -0.095   | 51.88            | 14.87    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 06:23:22  | -0.094   | 52.79            | 14.96    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 06:53:22  | -0.092   | 53.92            | 14.99    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 07:23:22  | -0.096   | 54.41            | 14.96    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 07:53:22  | -0.093   | 54.82            | 14.89    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 08:23:22  | -0.096   | 55.32            | 14.8     | 0                | 0            | 0               | 0          |
| 9/4/2018      | 08:53:22  | -0.098   | 55.63            | 14.71    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 09:23:22  | -0.096   | 55.81            | 14.62    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 09:53:22  | -0.096   | 56.04            | 14.54    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 10:23:22  | -0.099   | 55.99            | 14.47    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 10:53:22  | -0.098   | 55.95            | 14.33    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 11:23:22  | -0.101   | 55.63            | 14.16    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 11:53:22  | -0.108   | 55.36            | 14.02    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 12:23:22  | -0.113   | 55.14            | 13.89    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 12:53:22  | -0.099   | 54.91            | 13.77    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 13:23:22  | -0.104   | 54.77            | 13.68    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 13:53:22  | -0.106   | 54.68            | 13.61    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 14:23:22  | -0.103   | 54.46            | 13.52    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 14:53:22  | -0.102   | 54.37            | 13.45    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 15:23:22  | -0.103   | 54.19            | 13.41    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 15:53:22  | -0.108   | 54.1             | 13.36    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 16:23:22  | -0.099   | 53.96            | 13.3     | 0                | 0            | 0               | 0          |
| 9/4/2018      | 16:53:22  | -0.106   | 53.87            | 13.25    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 17:23:22  | -0.104   | 53.73            | 13.2     | 0                | 0            | 0               | 0          |
| 9/4/2018      | 17:53:22  | -0.101   | 53.6             | 13.17    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 18:23:22  | -0.105   | 53.46            | 13.14    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 18:53:22  | -0.098   | 53.37            | 13.09    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 19:23:22  | -0.107   | 53.24            | 13.08    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 19:53:22  | -0.101   | 53.19            | 13.06    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 20:23:22  | -0.105   | 53.1             | 13.04    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 20:53:22  | -0.1     | 53.01            | 13.02    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 21:23:22  | -0.109   | 52.97            | 13.02    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 21:53:22  | -0.103   | 52.88            | 13.02    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 22:23:22  | -0.101   | 52.83            | 13.01    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 22:53:22  | -0.11    | 52.88            | 13.02    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 23:23:22  | -0.102   | 52.79            | 13.02    | 0                | 0            | 0               | 0          |
| 9/4/2018      | 23:53:22  | -0.107   | 52.7             | 13.01    | 0                | 0            | 0               | 0          |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |            |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s) |
| 10/4/2018     | 00:23:22  | -0.104   | 52.6             | 13       | 0                | 0            | 0               | 0          |
| 10/4/2018     | 00:53:22  | -0.101   | 52.56            | 13.01    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 01:23:22  | -0.108   | 52.56            | 13.01    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 01:53:22  | -0.1     | 52.7             | 13.01    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 02:23:22  | -0.094   | 52.79            | 13.02    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 02:53:22  | -0.108   | 52.88            | 13.12    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 03:23:22  | -0.103   | 52.97            | 13.17    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 03:53:22  | -0.107   | 53.19            | 13.23    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 04:23:22  | -0.106   | 53.42            | 13.26    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 04:53:22  | -0.1     | 53.92            | 13.49    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 05:23:22  | -0.101   | 54.01            | 13.59    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 05:53:22  | -0.103   | 54.01            | 13.6     | 0                | 0            | 0               | 0          |
| 10/4/2018     | 06:23:22  | -0.105   | 54.14            | 13.61    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 06:53:22  | -0.101   | 54.23            | 13.54    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 07:23:22  | -0.103   | 54.28            | 13.45    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 07:53:22  | -0.106   | 54.37            | 13.32    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 08:23:22  | -0.107   | 54.28            | 13.2     | 0                | 0            | 0               | 0          |
| 10/4/2018     | 08:53:22  | -0.1     | 54.23            | 13.07    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 09:23:22  | -0.11    | 54.23            | 13.02    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 09:53:22  | -0.105   | 54.23            | 12.99    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 10:23:22  | -0.098   | 54.28            | 12.96    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 10:53:22  | -0.098   | 54.19            | 12.91    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 11:23:22  | -0.107   | 54.19            | 12.93    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 11:53:22  | -0.099   | 53.96            | 12.86    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 12:23:22  | -0.098   | 53.87            | 12.75    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 12:53:22  | -0.101   | 53.83            | 12.64    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 13:23:22  | -0.102   | 53.73            | 12.54    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 13:53:22  | -0.099   | 53.55            | 12.48    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 14:23:22  | -0.103   | 53.42            | 12.42    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 14:53:22  | -0.106   | 53.33            | 12.38    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 15:23:22  | -0.102   | 53.24            | 12.33    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 15:53:22  | -0.105   | 53.1             | 12.27    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 16:23:22  | -0.101   | 52.97            | 12.19    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 16:53:22  | -0.099   | 52.88            | 12.16    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 17:23:22  | -0.093   | 52.74            | 12.14    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 17:53:22  | -0.099   | 52.65            | 12.12    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 18:23:22  | -0.099   | 52.6             | 12.16    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 18:53:22  | -0.108   | 52.51            | 12.22    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 19:23:22  | -0.098   | 52.38            | 12.17    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 19:53:22  | -0.099   | 52.29            | 12.11    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 20:23:22  | -0.101   | 52.15            | 12.08    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 20:53:22  | -0.103   | 52.02            | 12.02    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 21:23:22  | -0.101   | 51.88            | 11.96    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 21:53:22  | -0.098   | 51.75            | 11.92    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 22:23:22  | -0.098   | 51.66            | 11.92    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 22:53:22  | -0.101   | 51.57            | 11.97    | 0                | 0            | 0               | 0          |
| 10/4/2018     | 23:23:22  | -0.101   | 51.48            | 12       | 0                | 0            | 0               | 0          |
| 10/4/2018     | 23:53:22  | -0.107   | 51.38            | 12.05    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 00:23:22  | -0.095   | 51.38            | 12.07    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 00:53:22  | -0.104   | 51.34            | 12.16    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 01:23:22  | -0.102   | 51.34            | 12.22    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 01:53:22  | -0.095   | 51.43            | 12.32    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 02:23:22  | -0.105   | 51.52            | 12.49    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 02:53:22  | -0.106   | 51.57            | 12.65    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 03:23:22  | -0.102   | 51.61            | 12.66    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 03:53:22  | -0.1     | 51.66            | 14.42    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 04:23:22  | -0.102   | 51.93            | 14.21    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 04:53:22  | -0.102   | 52.02            | 14.08    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 05:23:22  | -0.1     | 52.2             | 14       | 0                | 0            | 0               | 0          |
| 11/4/2018     | 05:53:22  | -0.104   | 52.24            | 13.92    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 06:23:22  | -0.106   | 52.24            | 13.79    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 06:53:22  | -0.105   | 52.2             | 13.62    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 07:23:22  | -0.106   | 52.24            | 13.47    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 07:53:22  | -0.104   | 52.33            | 13.34    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 08:23:22  | -0.106   | 52.42            | 13.22    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 08:53:22  | -0.105   | 52.38            | 13.12    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 09:23:22  | -0.117   | 52.38            | 13.01    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 09:53:22  | -0.11    | 52.33            | 12.9     | 0                | 0            | 0               | 0          |
| 11/4/2018     | 10:23:22  | -0.108   | 52.29            | 12.77    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 10:53:22  | -0.108   | 52.29            | 12.71    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 11:23:22  | -0.111   | 52.29            | 12.62    | 0                | 0            | 0               | 0          |
| 11/4/2018     | 11:53:22  | -0.11    | 52.24            | 12.56    | 0                | 0            | 0               | 0          |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 11/4/2018     | 12:23:22  | -0.112   | 52.15            | 12.49    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 12:53:22  | -0.112   | 52.11            | 12.42    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 13:23:22  | -0.114   | 52.02            | 12.36    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 13:53:22  | -0.115   | 51.93            | 12.3     | 0                | 0            | 0               | 0           |
| 11/4/2018     | 14:23:22  | -0.117   | 51.88            | 12.23    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 14:53:22  | -0.116   | 51.79            | 12.18    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 15:23:22  | -0.117   | 51.7             | 12.11    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 15:53:22  | -0.116   | 51.61            | 12.09    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 16:23:22  | -0.116   | 51.57            | 12.05    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 16:53:22  | -0.118   | 51.48            | 12.01    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 17:23:22  | -0.117   | 51.38            | 11.98    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 17:53:22  | -0.116   | 51.29            | 11.95    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 18:23:22  | -0.114   | 51.2             | 11.93    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 18:53:22  | -0.117   | 51.16            | 11.89    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 19:23:22  | -0.114   | 51.07            | 11.85    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 19:53:22  | -0.118   | 50.98            | 11.85    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 20:23:22  | -0.116   | 50.89            | 11.83    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 20:53:22  | -0.117   | 50.84            | 11.82    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 21:23:22  | -0.118   | 50.75            | 11.81    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 21:53:22  | -0.116   | 50.66            | 11.79    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 22:23:22  | -0.119   | 50.62            | 11.76    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 22:53:22  | -0.12    | 50.53            | 11.76    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 23:23:22  | -0.12    | 50.48            | 11.74    | 0                | 0            | 0               | 0           |
| 11/4/2018     | 23:53:22  | -0.119   | 50.44            | 11.73    | 0                | 0            | 0               | 0           |
| 12/4/2018     | 00:23:22  | -0.117   | 50.35            | 11.74    | 0                | 0            | 0               | 0           |
| 12/4/2018     | 00:53:22  | -0.113   | 50.35            | 11.77    | 0                | 0            | 0               | 0           |
| 12/4/2018     | 01:23:22  | -0.114   | 50.35            | 11.79    | 0                | 0            | 0               | 0           |
| 12/4/2018     | 01:53:22  | -0.111   | 50.44            | 11.87    | 0                | 0            | 0               | 0           |
| 12/4/2018     | 02:23:22  | -0.111   | 50.57            | 12.06    | 0                | 0            | 0               | 0           |
| 12/4/2018     | 02:53:22  | -0.109   | 50.75            | 12.34    | 0                | 0            | 0               | 0           |
| 12/4/2018     | 03:23:22  | -0.108   | 51.11            | 12.87    | 0                | 0            | 0               | 0           |
| 12/4/2018     | 03:53:22  | 0.066    | 51.66            | 13.21    | 0                | 0.079        | 2.768           | 2.237030913 |
| 12/4/2018     | 04:23:22  | 0.075    | 52.47            | 13.69    | 0                | 0.104        | 3.005           | 2.944952088 |
| 12/4/2018     | 04:53:22  | 0.07     | 52.97            | 13.96    | 0                | 0.09         | 2.875           | 2.54851623  |
| 12/4/2018     | 05:23:22  | 0.074    | 53.37            | 13.97    | 0                | 0.101        | 2.979           | 2.860001547 |
| 12/4/2018     | 05:53:22  | 0.068    | 53.87            | 14.04    | 0                | 0.084        | 2.821           | 2.378615148 |
| 12/4/2018     | 06:23:22  | 0.055    | 54.28            | 14.15    | 0                | 0.054        | 2.461           | 1.529109738 |
| 12/4/2018     | 06:53:22  | 0.059    | 54.73            | 14.09    | 0                | 0.062        | 2.575           | 1.755644514 |
| 12/4/2018     | 07:23:22  | 0.073    | 55.05            | 14.06    | 0                | 0.098        | 2.953           | 2.775051006 |
| 12/4/2018     | 07:53:22  | 0.078    | 55.59            | 14.05    | 0                | 0.113        | 3.082           | 3.199803711 |
| 12/4/2018     | 08:23:22  | 0.067    | 55.99            | 13.97    | 0                | 0.082        | 2.795           | 2.321981454 |
| 12/4/2018     | 08:53:22  | 0.054    | 57.44            | 13.91    | 0                | 0.052        | 2.432           | 1.472476044 |
| 12/4/2018     | 09:23:22  | 0.064    | 57.39            | 13.7     | 0                | 0.074        | 2.713           | 2.095446678 |
| 12/4/2018     | 09:53:22  | 0.052    | 57.49            | 13.46    | 0                | 0.048        | 2.373           | 1.359208656 |
| 12/4/2018     | 10:23:22  | 0.065    | 57.44            | 13.22    | 0                | 0.077        | 2.741           | 2.180397219 |
| 12/4/2018     | 10:53:22  | 0.076    | 57.44            | 13.06    | 0                | 0.107        | 3.031           | 3.029902629 |
| 12/4/2018     | 11:23:22  | 0.053    | 57.3             | 12.9     | 0                | 0.05         | 2.403           | 1.41584235  |
| 12/4/2018     | 11:53:22  | 0.066    | 57.12            | 12.67    | 0                | 0.079        | 2.768           | 2.237030913 |
| 12/4/2018     | 12:23:22  | 0.069    | 56.9             | 12.42    | 0                | 0.087        | 2.848           | 2.463565689 |
| 12/4/2018     | 12:53:22  | 0.062    | 56.76            | 12.26    | 0                | 0.069        | 2.658           | 1.953862443 |
| 12/4/2018     | 13:23:22  | 0.055    | 56.58            | 12.11    | 0                | 0.054        | 2.461           | 1.529109738 |
| 12/4/2018     | 13:53:22  | 0.073    | 56.36            | 11.92    | 0                | 0.098        | 2.953           | 2.775051006 |
| 12/4/2018     | 14:23:22  | 0.054    | 56.13            | 11.74    | 0                | 0.052        | 2.432           | 1.472476044 |
| 12/4/2018     | 14:53:22  | 0.069    | 55.95            | 11.59    | 0                | 0.087        | 2.848           | 2.463565689 |
| 12/4/2018     | 15:23:22  | 0.053    | 55.81            | 11.54    | 0                | 0.05         | 2.403           | 1.41584235  |
| 12/4/2018     | 15:53:22  | 0.049    | 55.72            | 11.53    | 0                | 0.042        | 2.284           | 1.189307574 |
| 12/4/2018     | 16:23:22  | 0.058    | 55.59            | 11.51    | 0                | 0.06         | 2.547           | 1.69901082  |
| 12/4/2018     | 16:53:22  | 0.067    | 55.41            | 11.46    | 0                | 0.082        | 2.795           | 2.321981454 |
| 12/4/2018     | 17:23:22  | 0.068    | 55.27            | 11.41    | 0                | 0.084        | 2.821           | 2.378615148 |
| 12/4/2018     | 17:53:22  | 0.057    | 55.23            | 11.38    | 0                | 0.058        | 2.518           | 1.642377126 |
| 12/4/2018     | 18:23:22  | 0.071    | 55.05            | 11.36    | 0                | 0.092        | 2.901           | 2.605149924 |
| 12/4/2018     | 18:53:22  | 0.057    | 54.95            | 11.36    | 0                | 0.058        | 2.518           | 1.642377126 |
| 12/4/2018     | 19:23:22  | 0.063    | 54.82            | 11.34    | 0                | 0.072        | 2.686           | 2.038812984 |
| 12/4/2018     | 19:53:22  | 0.05     | 54.73            | 11.31    | 0                | 0.044        | 2.314           | 1.245941268 |
| 12/4/2018     | 20:23:22  | 0.068    | 54.59            | 11.27    | 0                | 0.084        | 2.821           | 2.378615148 |
| 12/4/2018     | 20:53:22  | 0.044    | 54.5             | 11.27    | 0                | 0.034        | 2.131           | 0.962772798 |
| 12/4/2018     | 21:23:22  | 0.053    | 54.41            | 11.23    | 0                | 0.05         | 2.403           | 1.41584235  |
| 12/4/2018     | 21:53:22  | 0.05     | 54.32            | 11.2     | 0                | 0.044        | 2.314           | 1.245941268 |
| 12/4/2018     | 22:23:22  | 0.046    | 54.23            | 11.18    | 0                | 0.037        | 2.193           | 1.047723339 |
| 12/4/2018     | 22:53:22  | 0.044    | 54.1             | 11.17    | 0                | 0.034        | 2.131           | 0.962772798 |
| 12/4/2018     | 23:23:22  | 0.052    | 54.01            | 11.14    | 0                | 0.048        | 2.373           | 1.359208656 |
| 12/4/2018     | 23:53:22  | 0.052    | 53.92            | 11.12    | 0                | 0.048        | 2.373           | 1.359208656 |



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 13/4/2018     | 00:23:22  | 0.054    | 53.83            | 11.12    | 0                | 0.052        | 2.432           | 1.472476044 |
| 13/4/2018     | 00:53:22  | 0.047    | 53.78            | 11.1     | 0                | 0.039        | 2.224           | 1.104357033 |
| 13/4/2018     | 01:23:22  | 0.052    | 53.69            | 11.12    | 0                | 0.048        | 2.373           | 1.359208656 |
| 13/4/2018     | 01:53:22  | 0.042    | 53.69            | 11.22    | 0                | 0.031        | 2.068           | 0.877822257 |
| 13/4/2018     | 02:23:22  | 0.039    | 53.64            | 11.28    | 0                | 0.026        | 1.972           | 0.736238022 |
| 13/4/2018     | 02:53:22  | 0.063    | 53.64            | 11.28    | 0                | 0.072        | 2.686           | 2.038812984 |
| 13/4/2018     | 03:23:22  | 0.043    | 53.64            | 11.35    | 0                | 0.032        | 2.1             | 0.906139104 |
| 13/4/2018     | 03:53:22  | 0.058    | 53.64            | 11.38    | 0                | 0.06         | 2.547           | 1.69901082  |
| 13/4/2018     | 04:23:22  | 0.055    | 53.69            | 11.47    | 0                | 0.054        | 2.461           | 1.529109738 |
| 13/4/2018     | 04:53:22  | 0.042    | 53.64            | 11.54    | 0                | 0.031        | 2.068           | 0.877822257 |
| 13/4/2018     | 05:23:22  | 0.036    | 53.6             | 11.52    | 0                | 0.022        | 1.873           | 0.622970634 |
| 13/4/2018     | 05:53:22  | 0.045    | 53.64            | 11.46    | 0                | 0.035        | 2.162           | 0.991089645 |
| 13/4/2018     | 06:23:22  | 0.046    | 53.78            | 11.58    | 0                | 0.037        | 2.193           | 1.047723339 |
| 13/4/2018     | 06:53:22  | 0.049    | 53.92            | 11.78    | 0                | 0.042        | 2.284           | 1.189307574 |
| 13/4/2018     | 07:23:22  | 0.039    | 54.1             | 11.97    | 0                | 0.026        | 1.972           | 0.736238022 |
| 13/4/2018     | 07:53:22  | 0.027    | 54.28            | 12.1     | 0                | 0.011        | 1.521           | 0.311485317 |
| 13/4/2018     | 08:23:22  | 0.036    | 54.46            | 12.12    | 0                | 0.022        | 1.873           | 0.622970634 |
| 13/4/2018     | 08:53:22  | 0.031    | 54.59            | 12.12    | 0                | 0.015        | 1.667           | 0.424752705 |
| 13/4/2018     | 09:23:22  | 0.038    | 54.73            | 12.14    | 0                | 0.025        | 1.939           | 0.707921175 |
| 13/4/2018     | 09:53:22  | 0.039    | 54.77            | 12.1     | 0                | 0.026        | 1.972           | 0.736238022 |
| 13/4/2018     | 10:23:22  | 0.043    | 54.86            | 11.97    | 0                | 0.032        | 2.1             | 0.906139104 |
| 13/4/2018     | 10:53:22  | 0.04     | 54.86            | 11.84    | 0                | 0.028        | 2.005           | 0.792871716 |
| 13/4/2018     | 11:23:22  | 0.037    | 55               | 11.67    | 0                | 0.023        | 1.907           | 0.651287481 |
| 13/4/2018     | 11:53:22  | 0.036    | 54.95            | 11.48    | 0                | 0.022        | 1.873           | 0.622970634 |
| 13/4/2018     | 12:23:22  | 0.051    | 54.86            | 11.3     | 0                | 0.046        | 2.344           | 1.302574962 |
| 13/4/2018     | 12:53:22  | 0.045    | 54.77            | 11.15    | 0                | 0.035        | 2.162           | 0.991089645 |
| 13/4/2018     | 13:23:22  | 0.028    | 54.68            | 11.07    | 0                | 0.012        | 1.558           | 0.339802164 |
| 13/4/2018     | 13:53:22  | 0.043    | 54.59            | 10.96    | 0                | 0.032        | 2.1             | 0.906139104 |
| 13/4/2018     | 14:23:22  | 0.043    | 54.5             | 10.9     | 0                | 0.032        | 2.1             | 0.906139104 |
| 13/4/2018     | 14:53:22  | 0.032    | 54.41            | 10.85    | 0                | 0.016        | 1.702           | 0.453069552 |
| 13/4/2018     | 15:23:22  | 0.033    | 54.28            | 10.8     | 0                | 0.018        | 1.772           | 0.509703246 |
| 13/4/2018     | 15:53:22  | 0.033    | 54.19            | 10.78    | 0                | 0.017        | 1.737           | 0.481386399 |
| 13/4/2018     | 16:23:22  | 0.031    | 54.05            | 10.76    | 0                | 0.015        | 1.667           | 0.424752705 |
| 13/4/2018     | 16:53:22  | 0.031    | 53.96            | 10.74    | 0                | 0.015        | 1.667           | 0.424752705 |
| 13/4/2018     | 17:23:22  | 0.041    | 53.87            | 10.7     | 0                | 0.029        | 2.037           | 0.821188563 |
| 13/4/2018     | 17:53:22  | 0.036    | 53.64            | 10.62    | 0                | 0.022        | 1.873           | 0.622970634 |
| 13/4/2018     | 18:23:22  | 0.035    | 53.46            | 10.48    | 0                | 0.021        | 1.84            | 0.594653787 |
| 13/4/2018     | 18:53:22  | 0.033    | 53.24            | 10.34    | 0                | 0.017        | 1.737           | 0.481386399 |
| 13/4/2018     | 19:23:22  | 0.041    | 53.01            | 10.22    | 0                | 0.029        | 2.037           | 0.821188563 |
| 13/4/2018     | 19:53:22  | 0.031    | 52.83            | 10.24    | 0                | 0.015        | 1.667           | 0.424752705 |
| 13/4/2018     | 20:23:22  | 0.031    | 52.56            | 10.22    | 0                | 0.015        | 1.667           | 0.424752705 |
| 13/4/2018     | 20:53:22  | 0.041    | 52.47            | 10.33    | 0                | 0.029        | 2.037           | 0.821188563 |
| 13/4/2018     | 21:23:22  | 0.03     | 52.33            | 10.59    | 0                | 0.014        | 1.631           | 0.396435858 |
| 13/4/2018     | 21:53:22  | 0.031    | 52.29            | 10.82    | 0                | 0.015        | 1.667           | 0.424752705 |
| 13/4/2018     | 22:23:22  | 0.036    | 52.2             | 10.91    | 0                | 0.022        | 1.873           | 0.622970634 |
| 13/4/2018     | 22:53:22  | 0.032    | 52.11            | 10.99    | 0                | 0.016        | 1.702           | 0.453069552 |
| 13/4/2018     | 23:23:22  | 0.036    | 52.02            | 11.06    | 0                | 0.022        | 1.873           | 0.622970634 |
| 13/4/2018     | 23:53:22  | 0.031    | 51.97            | 11.1     | 0                | 0.015        | 1.667           | 0.424752705 |
| 14/4/2018     | 00:23:22  | 0.022    | 51.97            | 11.16    | 0                | 0.007        | 1.328           | 0.198217929 |
| 14/4/2018     | 00:53:22  | 0.027    | 52.02            | 11.2     | 0                | 0.011        | 1.521           | 0.311485317 |
| 14/4/2018     | 01:23:22  | 0.047    | 52.02            | 11.23    | 0                | 0.039        | 2.224           | 1.104357033 |
| 14/4/2018     | 01:53:22  | 0.036    | 52.06            | 11.34    | 0                | 0.022        | 1.873           | 0.622970634 |
| 14/4/2018     | 02:23:22  | 0.03     | 52.11            | 11.44    | 0                | 0.014        | 1.631           | 0.396435858 |
| 14/4/2018     | 02:53:22  | 0.028    | 52.2             | 11.5     | 0                | 0.012        | 1.558           | 0.339802164 |
| 14/4/2018     | 03:23:22  | 0.031    | 52.33            | 11.59    | 0                | 0.015        | 1.667           | 0.424752705 |
| 14/4/2018     | 03:53:22  | 0.023    | 52.51            | 11.78    | 0                | 0.008        | 1.368           | 0.226534776 |
| 14/4/2018     | 04:23:22  | 0.033    | 52.88            | 12.13    | 0                | 0.017        | 1.737           | 0.481386399 |
| 14/4/2018     | 04:53:22  | 0.028    | 53.51            | 12.82    | 0                | 0.012        | 1.558           | 0.339802164 |
| 14/4/2018     | 05:23:22  | 0.039    | 54.14            | 13.19    | 0                | 0.026        | 1.972           | 0.736238022 |
| 14/4/2018     | 05:53:22  | 0.042    | 54.86            | 13.2     | 0                | 0.031        | 2.068           | 0.877822257 |
| 14/4/2018     | 06:23:22  | 0.039    | 55.68            | 13.32    | 0                | 0.026        | 1.972           | 0.736238022 |
| 14/4/2018     | 06:53:22  | 0.046    | 56.36            | 13.46    | 0                | 0.037        | 2.193           | 1.047723339 |
| 14/4/2018     | 07:23:22  | 0.033    | 57.26            | 13.49    | 0                | 0.017        | 1.737           | 0.481386399 |
| 14/4/2018     | 07:53:22  | 0.037    | 57.85            | 13.39    | 0                | 0.023        | 1.907           | 0.651287481 |
| 14/4/2018     | 08:23:22  | 0.036    | 58.34            | 13.3     | 0                | 0.022        | 1.873           | 0.622970634 |
| 14/4/2018     | 08:53:22  | 0.035    | 58.61            | 13.2     | 0                | 0.021        | 1.84            | 0.594653787 |
| 14/4/2018     | 09:23:22  | 0.037    | 59.07            | 13.08    | 0                | 0.023        | 1.907           | 0.651287481 |
| 14/4/2018     | 09:53:22  | 0.029    | 59.11            | 12.93    | 0                | 0.013        | 1.595           | 0.368119011 |
| 14/4/2018     | 10:23:22  | 0.031    | 59.02            | 12.75    | 0                | 0.015        | 1.667           | 0.424752705 |
| 14/4/2018     | 10:53:22  | 0.038    | 58.75            | 12.53    | 0                | 0.025        | 1.939           | 0.707921175 |
| 14/4/2018     | 11:23:22  | 0.041    | 58.66            | 12.29    | 0                | 0.029        | 2.037           | 0.821188563 |
| 14/4/2018     | 11:53:22  | 0.033    | 58.43            | 12.08    | 0                | 0.017        | 1.737           | 0.481386399 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 14/4/2018     | 12:23:22  | 0.032    | 57.98            | 11.89    | 0                | 0.016        | 1.702           | 0.453069552 |
| 14/4/2018     | 12:53:22  | 0.035    | 57.62            | 11.68    | 0                | 0.021        | 1.84            | 0.594653787 |
| 14/4/2018     | 13:23:22  | 0.028    | 57.21            | 11.49    | 0                | 0.012        | 1.558           | 0.339802164 |
| 14/4/2018     | 13:53:22  | 0.026    | 56.85            | 11.27    | 0                | 0.01         | 1.484           | 0.28316847  |
| 14/4/2018     | 14:23:22  | 0.028    | 56.63            | 11.15    | 0                | 0.012        | 1.558           | 0.339802164 |
| 14/4/2018     | 14:53:22  | 0.04     | 56.31            | 11.01    | 0                | 0.028        | 2.005           | 0.792871716 |
| 14/4/2018     | 15:23:22  | 0.025    | 56.04            | 10.86    | 0                | 0.009        | 1.446           | 0.254851623 |
| 14/4/2018     | 15:53:22  | 0.03     | 55.77            | 10.76    | 0                | 0.014        | 1.631           | 0.396435858 |
| 14/4/2018     | 16:23:22  | 0.031    | 55.54            | 10.68    | 0                | 0.015        | 1.667           | 0.424752705 |
| 14/4/2018     | 16:53:22  | 0.032    | 55.32            | 10.66    | 0                | 0.016        | 1.702           | 0.453069552 |
| 14/4/2018     | 17:23:22  | 0.032    | 55.14            | 10.64    | 0                | 0.016        | 1.702           | 0.453069552 |
| 14/4/2018     | 17:53:22  | 0.031    | 54.95            | 10.64    | 0                | 0.015        | 1.667           | 0.424752705 |
| 14/4/2018     | 18:23:22  | 0.028    | 54.77            | 10.61    | 0                | 0.012        | 1.558           | 0.339802164 |
| 14/4/2018     | 18:53:22  | 0.031    | 54.64            | 10.62    | 0                | 0.015        | 1.667           | 0.424752705 |
| 14/4/2018     | 19:23:22  | 0.028    | 54.46            | 10.61    | 0                | 0.012        | 1.558           | 0.339802164 |
| 14/4/2018     | 19:53:22  | 0.023    | 54.32            | 10.64    | 0                | 0.008        | 1.368           | 0.226534776 |
| 14/4/2018     | 20:23:22  | 0.024    | 54.19            | 10.64    | 0                | 0.009        | 1.407           | 0.254851623 |
| 14/4/2018     | 20:53:22  | 0.032    | 54.05            | 10.64    | 0                | 0.016        | 1.702           | 0.453069552 |
| 14/4/2018     | 21:23:22  | 0.016    | 53.92            | 10.64    | 0                | 0.004        | 1.075           | 0.113267388 |
| 14/4/2018     | 21:53:22  | 0.032    | 53.78            | 10.61    | 0                | 0.016        | 1.702           | 0.453069552 |
| 14/4/2018     | 22:23:22  | 0.033    | 53.64            | 10.59    | 0                | 0.017        | 1.737           | 0.481386399 |
| 14/4/2018     | 22:53:22  | 0.019    | 53.51            | 10.61    | 0                | 0.005        | 1.205           | 0.141584235 |
| 14/4/2018     | 23:23:22  | 0.022    | 53.42            | 10.6     | 0                | 0.007        | 1.328           | 0.198217929 |
| 14/4/2018     | 23:53:22  | 0.025    | 53.28            | 10.57    | 0                | 0.009        | 1.446           | 0.254851623 |
| 15/4/2018     | 00:23:22  | 0.024    | 53.19            | 10.58    | 0                | 0.009        | 1.407           | 0.254851623 |
| 15/4/2018     | 00:53:22  | 0.029    | 53.1             | 10.58    | 0                | 0.013        | 1.595           | 0.368119011 |
| 15/4/2018     | 01:23:22  | 0.02     | 53.06            | 10.6     | 0                | 0.006        | 1.247           | 0.169901082 |
| 15/4/2018     | 01:53:22  | 0.03     | 53.06            | 10.62    | 0                | 0.014        | 1.631           | 0.396435858 |
| 15/4/2018     | 02:23:22  | 0.019    | 53.01            | 10.67    | 0                | 0.005        | 1.205           | 0.141584235 |
| 15/4/2018     | 02:53:22  | 0.019    | 53.01            | 10.72    | 0                | 0.005        | 1.205           | 0.141584235 |
| 15/4/2018     | 03:23:22  | 0.024    | 53.1             | 10.83    | 0                | 0.009        | 1.407           | 0.254851623 |
| 15/4/2018     | 03:53:22  | 0.025    | 53.19            | 10.99    | 0                | 0.009        | 1.446           | 0.254851623 |
| 15/4/2018     | 04:23:22  | 0.025    | 53.28            | 11.07    | 0                | 0.009        | 1.446           | 0.254851623 |
| 15/4/2018     | 04:53:22  | 0.033    | 53.28            | 10.98    | 0                | 0.018        | 1.772           | 0.509703246 |
| 15/4/2018     | 05:23:22  | 0.027    | 53.42            | 10.99    | 0                | 0.011        | 1.521           | 0.311485317 |
| 15/4/2018     | 05:53:22  | 0.025    | 53.51            | 10.96    | 0                | 0.009        | 1.446           | 0.254851623 |
| 15/4/2018     | 06:23:22  | 0.032    | 53.55            | 10.92    | 0                | 0.016        | 1.702           | 0.453069552 |
| 15/4/2018     | 06:53:22  | 0.039    | 53.83            | 11.06    | 0                | 0.026        | 1.972           | 0.736238022 |
| 15/4/2018     | 07:23:22  | 0.036    | 54.28            | 11.36    | 0                | 0.022        | 1.873           | 0.622970634 |
| 15/4/2018     | 07:53:22  | 0.028    | 54.59            | 11.59    | 0                | 0.012        | 1.558           | 0.339802164 |
| 15/4/2018     | 08:23:22  | 0.027    | 54.82            | 11.55    | 0                | 0.011        | 1.521           | 0.311485317 |
| 15/4/2018     | 08:53:22  | 0.035    | 55               | 11.49    | 0                | 0.021        | 1.84            | 0.594653787 |
| 15/4/2018     | 09:23:22  | 0.023    | 55.09            | 11.46    | 0                | 0.008        | 1.368           | 0.226534776 |
| 15/4/2018     | 09:53:22  | 0.034    | 55.14            | 11.28    | 0                | 0.02         | 1.806           | 0.56633694  |
| 15/4/2018     | 10:23:22  | 0.037    | 55.14            | 11.14    | 0                | 0.023        | 1.907           | 0.651287481 |
| 15/4/2018     | 10:53:22  | 0.031    | 55               | 10.96    | 0                | 0.015        | 1.667           | 0.424752705 |
| 15/4/2018     | 11:23:22  | 0.032    | 54.82            | 10.75    | 0                | 0.016        | 1.702           | 0.453069552 |
| 15/4/2018     | 11:53:22  | 0.029    | 54.73            | 10.6     | 0                | 0.013        | 1.595           | 0.368119011 |
| 15/4/2018     | 12:23:22  | 0.031    | 54.64            | 10.48    | 0                | 0.015        | 1.667           | 0.424752705 |
| 15/4/2018     | 12:53:22  | 0.031    | 54.5             | 10.38    | 0                | 0.015        | 1.667           | 0.424752705 |
| 15/4/2018     | 13:23:22  | 0.03     | 54.41            | 10.33    | 0                | 0.014        | 1.631           | 0.396435858 |
| 15/4/2018     | 13:53:22  | 0.024    | 54.32            | 10.3     | 0                | 0.009        | 1.407           | 0.254851623 |
| 15/4/2018     | 14:23:22  | 0.023    | 54.19            | 10.3     | 0                | 0.008        | 1.368           | 0.226534776 |
| 15/4/2018     | 14:53:22  | 0.021    | 54.05            | 10.28    | 0                | 0.007        | 1.288           | 0.198217929 |
| 15/4/2018     | 15:23:22  | 0.032    | 54.01            | 10.24    | 0                | 0.016        | 1.702           | 0.453069552 |
| 15/4/2018     | 15:53:22  | 0.025    | 53.83            | 10.21    | 0                | 0.009        | 1.446           | 0.254851623 |
| 15/4/2018     | 16:23:22  | 0.028    | 53.73            | 10.16    | 0                | 0.012        | 1.558           | 0.339802164 |
| 15/4/2018     | 16:53:22  | 0.032    | 53.6             | 10.13    | 0                | 0.016        | 1.702           | 0.453069552 |
| 15/4/2018     | 17:23:22  | 0.043    | 53.51            | 10.07    | 0                | 0.032        | 2.1             | 0.906139104 |
| 15/4/2018     | 17:53:22  | 0.023    | 53.42            | 10.11    | 0                | 0.008        | 1.368           | 0.226534776 |
| 15/4/2018     | 18:23:22  | 0.028    | 53.33            | 10.08    | 0                | 0.012        | 1.558           | 0.339802164 |
| 15/4/2018     | 18:53:22  | 0.025    | 53.19            | 10.06    | 0                | 0.009        | 1.446           | 0.254851623 |
| 15/4/2018     | 19:23:22  | 0.021    | 53.1             | 10.07    | 0                | 0.007        | 1.288           | 0.198217929 |
| 15/4/2018     | 19:53:22  | 0.023    | 52.97            | 10.03    | 0                | 0.008        | 1.368           | 0.226534776 |
| 15/4/2018     | 20:23:22  | 0.026    | 52.88            | 10.03    | 0                | 0.01         | 1.484           | 0.28316847  |
| 15/4/2018     | 20:53:22  | 0.032    | 52.79            | 10       | 0                | 0.016        | 1.702           | 0.453069552 |
| 15/4/2018     | 21:23:22  | 0.018    | 52.65            | 9.94     | 0                | 0.005        | 1.163           | 0.141584235 |
| 15/4/2018     | 21:53:22  | 0.029    | 52.56            | 9.9      | 0                | 0.013        | 1.595           | 0.368119011 |
| 15/4/2018     | 22:23:22  | 0.02     | 52.42            | 9.9      | 0                | 0.006        | 1.247           | 0.169901082 |
| 15/4/2018     | 22:53:22  | 0.023    | 52.33            | 9.92     | 0                | 0.008        | 1.368           | 0.226534776 |
| 15/4/2018     | 23:23:22  | 0.026    | 52.24            | 9.85     | 0                | 0.01         | 1.484           | 0.28316847  |
| 15/4/2018     | 23:53:22  | 0.023    | 52.15            | 9.9      | 0                | 0.008        | 1.368           | 0.226534776 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 16/4/2018     | 00:23:22  | 0.027    | 52.15            | 10.02    | 0                | 0.011        | 1.521           | 0.311485317 |
| 16/4/2018     | 00:53:22  | 0.023    | 52.15            | 10.11    | 0                | 0.008        | 1.368           | 0.226534776 |
| 16/4/2018     | 01:23:22  | 0.021    | 52.24            | 10.53    | 0                | 0.007        | 1.288           | 0.198217929 |
| 16/4/2018     | 01:53:22  | 0.026    | 52.38            | 11.22    | 0                | 0.01         | 1.484           | 0.28316847  |
| 16/4/2018     | 02:23:22  | 0.022    | 52.33            | 11.25    | 0                | 0.007        | 1.328           | 0.198217929 |
| 16/4/2018     | 02:53:22  | 0.029    | 52.6             | 11.24    | 0                | 0.013        | 1.595           | 0.368119011 |
| 16/4/2018     | 03:23:22  | 0.026    | 52.88            | 11.7     | 0                | 0.01         | 1.484           | 0.28316847  |
| 16/4/2018     | 03:53:22  | 0.017    | 53.19            | 11.89    | 0                | 0.004        | 1.119           | 0.113267388 |
| 16/4/2018     | 04:23:22  | 0.024    | 53.55            | 11.8     | 0                | 0.009        | 1.407           | 0.254851623 |
| 16/4/2018     | 04:53:22  | 0.023    | 54.01            | 11.84    | 0                | 0.008        | 1.368           | 0.226534776 |
| 16/4/2018     | 05:23:22  | 0.022    | 54.64            | 11.93    | 0                | 0.007        | 1.328           | 0.198217929 |
| 16/4/2018     | 05:53:22  | 0.031    | 55.18            | 12.1     | 0                | 0.015        | 1.667           | 0.424752705 |
| 16/4/2018     | 06:23:22  | 0.034    | 55.81            | 12.26    | 0                | 0.02         | 1.806           | 0.56633694  |
| 16/4/2018     | 06:53:22  | 0.028    | 56.17            | 12.14    | 0                | 0.012        | 1.558           | 0.339802164 |
| 16/4/2018     | 07:23:22  | 0.02     | 56.22            | 11.85    | 0                | 0.006        | 1.247           | 0.169901082 |
| 16/4/2018     | 07:53:22  | 0.024    | 56.27            | 11.47    | 0                | 0.009        | 1.407           | 0.254851623 |
| 16/4/2018     | 08:23:22  | 0.035    | 56.22            | 11.22    | 0                | 0.021        | 1.84            | 0.594653787 |
| 16/4/2018     | 08:53:22  | 0.023    | 56.22            | 11.07    | 0                | 0.008        | 1.368           | 0.226534776 |
| 16/4/2018     | 09:23:22  | 0.027    | 56.13            | 10.9     | 0                | 0.011        | 1.521           | 0.311485317 |
| 16/4/2018     | 09:53:22  | 0.019    | 56.04            | 10.76    | 0                | 0.005        | 1.205           | 0.141584235 |
| 16/4/2018     | 10:23:22  | 0.021    | 55.81            | 10.58    | 0                | 0.007        | 1.288           | 0.198217929 |
| 16/4/2018     | 10:53:22  | 0.023    | 55.63            | 10.32    | 0                | 0.008        | 1.368           | 0.226534776 |
| 16/4/2018     | 11:23:22  | 0.02     | 55.41            | 10.13    | 0                | 0.006        | 1.247           | 0.169901082 |
| 16/4/2018     | 11:53:22  | 0.018    | 55.14            | 10.01    | 0                | 0.005        | 1.163           | 0.141584235 |
| 16/4/2018     | 12:23:22  | 0.029    | 54.95            | 9.89     | 0                | 0.013        | 1.595           | 0.368119011 |
| 16/4/2018     | 12:53:22  | 0.026    | 54.77            | 9.89     | 0                | 0.01         | 1.484           | 0.28316847  |
| 16/4/2018     | 13:23:22  | 0.021    | 54.55            | 9.9      | 0                | 0.007        | 1.288           | 0.198217929 |
| 16/4/2018     | 13:53:22  | 0.02     | 54.37            | 9.89     | 0                | 0.006        | 1.247           | 0.169901082 |
| 16/4/2018     | 14:23:22  | 0.022    | 54.23            | 9.87     | 0                | 0.007        | 1.328           | 0.198217929 |
| 16/4/2018     | 14:53:22  | 0.024    | 54.01            | 9.88     | 0                | 0.009        | 1.407           | 0.254851623 |
| 16/4/2018     | 15:23:22  | 0.026    | 53.87            | 9.89     | 0                | 0.01         | 1.484           | 0.28316847  |
| 16/4/2018     | 15:53:22  | 0.028    | 53.73            | 9.9      | 0                | 0.012        | 1.558           | 0.339802164 |
| 16/4/2018     | 16:23:22  | 0.019    | 53.6             | 9.94     | 0                | 0.005        | 1.205           | 0.141584235 |
| 16/4/2018     | 16:53:22  | 0.023    | 53.51            | 9.93     | 0                | 0.008        | 1.368           | 0.226534776 |
| 16/4/2018     | 17:23:22  | 0.029    | 53.42            | 9.91     | 0                | 0.013        | 1.595           | 0.368119011 |
| 16/4/2018     | 17:53:22  | 0.021    | 53.33            | 9.92     | 0                | 0.007        | 1.288           | 0.198217929 |
| 16/4/2018     | 18:23:22  | 0.018    | 53.19            | 9.94     | 0                | 0.005        | 1.163           | 0.141584235 |
| 16/4/2018     | 18:53:22  | 0.021    | 53.1             | 9.92     | 0                | 0.007        | 1.288           | 0.198217929 |
| 16/4/2018     | 19:23:22  | 0.015    | 53.01            | 9.92     | 0                | 0.003        | 1.03            | 0.084950541 |
| 16/4/2018     | 19:53:22  | 0.023    | 52.92            | 9.86     | 0                | 0.008        | 1.368           | 0.226534776 |
| 16/4/2018     | 20:23:22  | 0.014    | 52.83            | 9.88     | 0                | 0.003        | 0.984           | 0.084950541 |
| 16/4/2018     | 20:53:22  | 0.02     | 52.74            | 9.84     | 0                | 0.006        | 1.247           | 0.169901082 |
| 16/4/2018     | 21:23:22  | 0.017    | 52.7             | 9.77     | 0                | 0.004        | 1.119           | 0.113267388 |
| 16/4/2018     | 21:53:22  | 0.023    | 52.6             | 9.69     | 0                | 0.008        | 1.368           | 0.226534776 |
| 16/4/2018     | 22:23:22  | 0.028    | 52.51            | 9.63     | 0                | 0.012        | 1.558           | 0.339802164 |
| 16/4/2018     | 22:53:22  | 0.033    | 52.47            | 9.58     | 0                | 0.017        | 1.737           | 0.481386399 |
| 16/4/2018     | 23:23:22  | 0.033    | 52.38            | 9.57     | 0                | 0.018        | 1.772           | 0.509703246 |
| 16/4/2018     | 23:53:22  | 0.032    | 52.33            | 9.56     | 0                | 0.016        | 1.702           | 0.453069552 |
| 17/4/2018     | 00:23:22  | 0.031    | 52.29            | 9.55     | 0                | 0.015        | 1.667           | 0.424752705 |
| 17/4/2018     | 00:53:22  | 0.036    | 52.24            | 9.57     | 0                | 0.022        | 1.873           | 0.622970634 |
| 17/4/2018     | 01:23:22  | 0.049    | 52.2             | 9.57     | 0                | 0.042        | 2.284           | 1.189307574 |
| 17/4/2018     | 01:53:22  | 0.032    | 52.2             | 9.61     | 0                | 0.016        | 1.702           | 0.453069552 |
| 17/4/2018     | 02:23:22  | 0.036    | 52.15            | 9.64     | 0                | 0.022        | 1.873           | 0.622970634 |
| 17/4/2018     | 02:53:22  | 0.043    | 52.15            | 9.65     | 0                | 0.032        | 2.1             | 0.906139104 |
| 17/4/2018     | 03:23:22  | 0.04     | 52.15            | 9.67     | 0                | 0.028        | 2.005           | 0.792871716 |
| 17/4/2018     | 03:53:22  | 0.035    | 52.2             | 9.76     | 0                | 0.021        | 1.84            | 0.594653787 |
| 17/4/2018     | 04:23:22  | 0.043    | 52.29            | 9.89     | 0                | 0.032        | 2.1             | 0.906139104 |
| 17/4/2018     | 04:53:22  | -0.079   | 52.42            | 10.36    | 0                | 0            | 0               | 0           |
| 17/4/2018     | 05:23:22  | -0.067   | 52.56            | 10.45    | 0                | 0            | 0               | 0           |
| 17/4/2018     | 05:53:22  | -0.065   | 52.65            | 10.41    | 0                | 0            | 0               | 0           |
| 17/4/2018     | 06:23:22  | -0.065   | 52.79            | 10.33    | 0                | 0            | 0               | 0           |
| 17/4/2018     | 06:53:22  | -0.061   | 52.88            | 10.27    | 0                | 0            | 0               | 0           |
| 17/4/2018     | 07:23:22  | -0.063   | 53.01            | 10.24    | 0                | 0            | 0               | 0           |
| 17/4/2018     | 07:53:22  | -0.06    | 53.1             | 10.23    | 0                | 0            | 0               | 0           |
| 17/4/2018     | 08:23:22  | -0.058   | 53.15            | 10.25    | 0                | 0            | 0               | 0           |
| 17/4/2018     | 08:53:22  | -0.073   | 53.46            | 10.46    | 0                | 0            | 0               | 0           |
| 17/4/2018     | 09:23:22  | -0.063   | 53.69            | 10.81    | 0                | 0            | 0               | 0           |
| 17/4/2018     | 09:53:22  | -0.058   | 53.73            | 10.78    | 0                | 0            | 0               | 0           |
| 17/4/2018     | 10:23:22  | -0.061   | 53.83            | 10.61    | 0                | 0            | 0               | 0           |
| 17/4/2018     | 10:53:22  | -0.056   | 53.92            | 10.44    | 0                | 0            | 0               | 0           |
| 17/4/2018     | 11:23:22  | -0.066   | 53.96            | 10.34    | 0                | 0            | 0               | 0           |
| 17/4/2018     | 11:53:22  | -0.064   | 53.96            | 10.14    | 0                | 0            | 0               | 0           |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |            |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s) |
| 17/4/2018     | 12:23:22  | -0.063   | 53.92            | 9.98     | 0                | 0            | 0               | 0          |
| 17/4/2018     | 12:53:22  | -0.066   | 53.92            | 9.85     | 0                | 0            | 0               | 0          |
| 17/4/2018     | 13:23:22  | -0.062   | 53.92            | 9.75     | 0                | 0            | 0               | 0          |
| 17/4/2018     | 13:53:22  | -0.061   | 53.87            | 9.7      | 0                | 0            | 0               | 0          |
| 17/4/2018     | 14:23:22  | -0.064   | 53.83            | 9.71     | 0                | 0            | 0               | 0          |
| 17/4/2018     | 14:53:22  | -0.063   | 53.78            | 9.61     | 0                | 0            | 0               | 0          |
| 17/4/2018     | 15:23:22  | -0.069   | 53.78            | 9.56     | 0                | 0            | 0               | 0          |
| 17/4/2018     | 15:53:22  | -0.07    | 53.73            | 9.53     | 0                | 0            | 0               | 0          |
| 17/4/2018     | 16:23:22  | -0.074   | 53.73            | 9.51     | 0                | 0            | 0               | 0          |
| 17/4/2018     | 16:53:22  | -0.071   | 53.69            | 9.5      | 0                | 0            | 0               | 0          |
| 17/4/2018     | 17:23:22  | -0.059   | 53.69            | 9.52     | 0                | 0            | 0               | 0          |
| 17/4/2018     | 17:53:22  | -0.07    | 53.69            | 9.53     | 0                | 0            | 0               | 0          |
| 17/4/2018     | 18:23:22  | -0.073   | 53.69            | 9.6      | 0                | 0            | 0               | 0          |
| 17/4/2018     | 18:53:22  | -0.073   | 53.64            | 9.65     | 0                | 0            | 0               | 0          |
| 17/4/2018     | 19:23:22  | -0.075   | 53.6             | 9.58     | 0                | 0            | 0               | 0          |
| 17/4/2018     | 19:53:22  | -0.077   | 53.6             | 9.57     | 0                | 0            | 0               | 0          |
| 17/4/2018     | 20:23:22  | -0.075   | 53.55            | 9.52     | 0                | 0            | 0               | 0          |
| 17/4/2018     | 20:53:22  | -0.062   | 53.51            | 9.44     | 0                | 0            | 0               | 0          |
| 17/4/2018     | 21:23:22  | -0.072   | 53.46            | 9.42     | 0                | 0            | 0               | 0          |
| 17/4/2018     | 21:53:22  | -0.075   | 53.46            | 9.42     | 0                | 0            | 0               | 0          |
| 17/4/2018     | 22:23:22  | -0.08    | 53.42            | 9.42     | 0                | 0            | 0               | 0          |
| 17/4/2018     | 22:53:22  | -0.075   | 53.37            | 9.4      | 0                | 0            | 0               | 0          |
| 17/4/2018     | 23:23:22  | -0.076   | 53.33            | 9.39     | 0                | 0            | 0               | 0          |
| 17/4/2018     | 23:53:22  | -0.074   | 53.33            | 9.36     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 00:23:22  | -0.068   | 53.33            | 9.36     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 00:53:22  | -0.067   | 53.28            | 9.44     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 01:23:22  | -0.075   | 53.33            | 9.46     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 01:53:22  | -0.075   | 53.33            | 9.49     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 02:23:22  | -0.065   | 53.46            | 9.63     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 02:53:22  | -0.064   | 53.69            | 9.95     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 03:23:22  | -0.075   | 54.23            | 10.84    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 03:53:22  | -0.076   | 54.64            | 11.73    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 04:23:22  | -0.063   | 55.5             | 12.46    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 04:53:22  | -0.055   | 56.63            | 12.98    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 05:23:22  | -0.054   | 57.62            | 13.23    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 05:53:22  | -0.065   | 58.43            | 13.28    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 06:23:22  | -0.067   | 59.38            | 13.34    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 06:53:22  | -0.052   | 60.29            | 13.32    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 07:23:22  | -0.059   | 61.51            | 13.25    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 07:53:22  | -0.066   | 62.55            | 13.14    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 08:23:22  | -0.058   | 63.31            | 13.01    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 08:53:22  | -0.066   | 63.77            | 12.91    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 09:23:22  | -0.068   | 64.26            | 12.83    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 09:53:22  | -0.063   | 64.71            | 12.72    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 10:23:22  | -0.071   | 64.31            | 12.51    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 10:53:22  | -0.054   | 63.99            | 12.19    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 11:23:22  | -0.062   | 63.49            | 11.89    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 11:53:22  | -0.074   | 62.82            | 11.61    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 12:23:22  | -0.072   | 62.37            | 11.33    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 12:53:22  | -0.083   | 61.87            | 11.04    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 13:23:22  | -0.073   | 61.33            | 10.73    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 13:53:22  | -0.075   | 60.87            | 10.47    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 14:23:22  | -0.075   | 60.47            | 10.19    | 0                | 0            | 0               | 0          |
| 18/4/2018     | 14:53:22  | -0.055   | 60.15            | 9.89     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 15:23:22  | -0.063   | 59.83            | 9.75     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 15:53:22  | -0.074   | 59.52            | 9.6      | 0                | 0            | 0               | 0          |
| 18/4/2018     | 16:23:22  | -0.057   | 59.2             | 9.45     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 16:53:22  | -0.061   | 58.89            | 9.36     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 17:23:22  | -0.073   | 58.57            | 9.27     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 17:53:22  | -0.08    | 58.3             | 9.09     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 18:23:22  | -0.075   | 57.98            | 8.99     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 18:53:22  | -0.072   | 57.67            | 8.85     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 19:23:22  | -0.057   | 57.44            | 8.76     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 19:53:22  | -0.059   | 57.26            | 8.81     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 20:23:22  | -0.08    | 57.03            | 9.05     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 20:53:22  | -0.069   | 56.81            | 9.1      | 0                | 0            | 0               | 0          |
| 18/4/2018     | 21:23:22  | -0.077   | 56.58            | 9.11     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 21:53:22  | -0.068   | 56.36            | 9.01     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 22:23:22  | -0.076   | 56.13            | 8.96     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 22:53:22  | -0.065   | 55.95            | 8.81     | 0                | 0            | 0               | 0          |
| 18/4/2018     | 23:23:22  | -0.063   | 55.86            | 8.8      | 0                | 0            | 0               | 0          |
| 18/4/2018     | 23:53:22  | -0.071   | 55.77            | 9.02     | 0                | 0            | 0               | 0          |



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |            |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s) |
| 19/4/2018     | 00:23:22  | -0.084   | 55.77            | 9.29     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 00:53:22  | -0.079   | 55.77            | 9.57     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 01:23:22  | -0.085   | 55.86            | 9.81     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 01:53:22  | -0.064   | 55.9             | 9.95     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 02:23:22  | -0.07    | 56.04            | 10.18    | 0                | 0            | 0               | 0          |
| 19/4/2018     | 02:53:22  | -0.076   | 56.22            | 10.46    | 0                | 0            | 0               | 0          |
| 19/4/2018     | 03:23:22  | -0.068   | 56.36            | 10.67    | 0                | 0            | 0               | 0          |
| 19/4/2018     | 03:53:22  | -0.07    | 56.54            | 10.82    | 0                | 0            | 0               | 0          |
| 19/4/2018     | 04:23:22  | -0.074   | 56.72            | 10.98    | 0                | 0            | 0               | 0          |
| 19/4/2018     | 04:53:22  | -0.073   | 56.94            | 11.06    | 0                | 0            | 0               | 0          |
| 19/4/2018     | 05:23:22  | -0.068   | 57.12            | 11.04    | 0                | 0            | 0               | 0          |
| 19/4/2018     | 05:53:22  | -0.079   | 57.21            | 11.02    | 0                | 0            | 0               | 0          |
| 19/4/2018     | 06:23:22  | -0.075   | 57.35            | 10.94    | 0                | 0            | 0               | 0          |
| 19/4/2018     | 06:53:22  | -0.065   | 57.53            | 10.91    | 0                | 0            | 0               | 0          |
| 19/4/2018     | 07:23:22  | -0.064   | 57.71            | 10.93    | 0                | 0            | 0               | 0          |
| 19/4/2018     | 07:53:22  | -0.067   | 57.89            | 10.92    | 0                | 0            | 0               | 0          |
| 19/4/2018     | 08:23:22  | -0.072   | 57.94            | 10.78    | 0                | 0            | 0               | 0          |
| 19/4/2018     | 08:53:22  | -0.058   | 58.03            | 10.69    | 0                | 0            | 0               | 0          |
| 19/4/2018     | 09:23:22  | -0.065   | 58.3             | 10.61    | 0                | 0            | 0               | 0          |
| 19/4/2018     | 09:53:22  | -0.062   | 58.16            | 10.49    | 0                | 0            | 0               | 0          |
| 19/4/2018     | 10:23:22  | -0.06    | 57.98            | 10.29    | 0                | 0            | 0               | 0          |
| 19/4/2018     | 10:53:22  | -0.073   | 58.07            | 10.21    | 0                | 0            | 0               | 0          |
| 19/4/2018     | 11:23:22  | -0.061   | 58.12            | 10.08    | 0                | 0            | 0               | 0          |
| 19/4/2018     | 11:53:22  | -0.073   | 58.07            | 9.97     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 12:23:22  | -0.078   | 58.07            | 9.8      | 0                | 0            | 0               | 0          |
| 19/4/2018     | 12:53:22  | -0.064   | 57.94            | 9.62     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 13:23:22  | -0.061   | 57.85            | 9.49     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 13:53:22  | -0.062   | 57.62            | 9.28     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 14:23:22  | -0.065   | 57.35            | 8.94     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 14:53:22  | -0.064   | 57.08            | 8.61     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 15:23:22  | -0.064   | 56.81            | 8.38     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 15:53:22  | -0.065   | 56.49            | 8.22     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 16:23:22  | -0.072   | 56.22            | 8.16     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 16:53:22  | -0.068   | 55.99            | 8.06     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 17:23:22  | -0.081   | 55.72            | 8.03     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 17:53:22  | -0.064   | 55.54            | 8.03     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 18:23:22  | -0.062   | 55.41            | 8.17     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 18:53:22  | -0.064   | 55.27            | 8.32     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 19:23:22  | -0.076   | 55.18            | 8.59     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 19:53:22  | -0.066   | 55.09            | 8.75     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 20:23:22  | -0.062   | 55.05            | 8.9      | 0                | 0            | 0               | 0          |
| 19/4/2018     | 20:53:22  | -0.06    | 54.91            | 9.01     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 21:23:22  | -0.065   | 54.77            | 8.99     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 21:53:22  | -0.067   | 54.68            | 8.94     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 22:23:22  | -0.068   | 54.55            | 8.84     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 22:53:22  | -0.069   | 54.46            | 8.78     | 0                | 0            | 0               | 0          |
| 19/4/2018     | 23:23:22  | -0.056   | 54.32            | 8.7      | 0                | 0            | 0               | 0          |
| 19/4/2018     | 23:53:22  | -0.069   | 54.28            | 8.7      | 0                | 0            | 0               | 0          |
| 20/4/2018     | 00:23:22  | -0.064   | 54.23            | 8.76     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 00:53:22  | -0.077   | 54.19            | 8.9      | 0                | 0            | 0               | 0          |
| 20/4/2018     | 01:23:22  | -0.077   | 54.28            | 9.13     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 01:53:22  | -0.074   | 54.5             | 9.89     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 02:23:22  | -0.068   | 54.68            | 10.56    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 02:53:22  | -0.086   | 55.05            | 11.45    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 03:23:22  | -0.075   | 55.5             | 12.69    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 03:53:22  | -0.07    | 55.95            | 13.47    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 04:23:22  | -0.088   | 56.31            | 13.86    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 04:53:22  | -0.064   | 56.81            | 13.97    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 05:23:22  | -0.062   | 57.39            | 14.03    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 05:53:22  | -0.066   | 58.16            | 14.1     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 06:23:22  | -0.06    | 58.93            | 14.17    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 06:53:22  | -0.085   | 59.52            | 14.19    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 07:23:22  | -0.064   | 59.97            | 14.11    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 07:53:22  | -0.069   | 60.47            | 14.02    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 08:23:22  | -0.061   | 61.01            | 13.88    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 08:53:22  | -0.064   | 61.51            | 13.78    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 09:23:22  | -0.065   | 62               | 13.68    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 09:53:22  | -0.066   | 62.23            | 13.55    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 10:23:22  | -0.071   | 62.27            | 13.33    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 10:53:22  | -0.065   | 62.09            | 13       | 0                | 0            | 0               | 0          |
| 20/4/2018     | 11:23:22  | -0.062   | 62.05            | 12.62    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 11:53:22  | -0.075   | 61.87            | 12.26    | 0                | 0            | 0               | 0          |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |            |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s) |
| 20/4/2018     | 12:23:22  | -0.083   | 61.69            | 11.95    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 12:53:22  | -0.062   | 61.37            | 11.5     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 13:23:22  | -0.066   | 61.01            | 11.04    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 13:53:22  | -0.071   | 60.6             | 10.59    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 14:23:22  | -0.07    | 60.2             | 10.21    | 0                | 0            | 0               | 0          |
| 20/4/2018     | 14:53:22  | -0.077   | 59.74            | 9.95     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 15:23:22  | -0.079   | 59.38            | 9.78     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 15:53:22  | -0.068   | 58.93            | 9.57     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 16:23:22  | -0.072   | 58.52            | 9.45     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 16:53:22  | -0.083   | 58.16            | 9.27     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 17:23:22  | -0.074   | 57.76            | 9.1      | 0                | 0            | 0               | 0          |
| 20/4/2018     | 17:53:22  | -0.084   | 57.35            | 9.04     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 18:23:22  | -0.076   | 56.99            | 8.93     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 18:53:22  | -0.073   | 56.67            | 8.83     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 19:23:22  | -0.071   | 56.31            | 8.75     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 19:53:22  | -0.075   | 56.04            | 8.72     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 20:23:22  | -0.08    | 55.72            | 8.7      | 0                | 0            | 0               | 0          |
| 20/4/2018     | 20:53:22  | -0.077   | 55.5             | 8.67     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 21:23:22  | -0.064   | 55.23            | 8.62     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 21:53:22  | -0.076   | 54.95            | 8.54     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 22:23:22  | -0.07    | 54.73            | 8.49     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 22:53:22  | -0.078   | 54.5             | 8.49     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 23:23:22  | -0.081   | 54.32            | 8.48     | 0                | 0            | 0               | 0          |
| 20/4/2018     | 23:53:22  | -0.078   | 54.23            | 8.55     | 0                | 0            | 0               | 0          |
| 21/4/2018     | 00:23:22  | -0.072   | 54.23            | 8.98     | 0                | 0            | 0               | 0          |
| 21/4/2018     | 00:53:22  | -0.075   | 54.37            | 9.77     | 0                | 0            | 0               | 0          |
| 21/4/2018     | 01:23:22  | -0.076   | 54.59            | 11.04    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 01:53:22  | -0.073   | 54.91            | 12.09    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 02:23:22  | -0.07    | 55.27            | 12.72    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 02:53:22  | -0.073   | 55.72            | 13.12    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 03:23:22  | -0.074   | 56.27            | 13.49    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 03:53:22  | -0.068   | 56.99            | 13.78    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 04:23:22  | -0.069   | 57.8             | 14.02    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 04:53:22  | -0.07    | 58.61            | 14.16    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 05:23:22  | -0.07    | 59.43            | 14.26    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 05:53:22  | -0.07    | 60.24            | 14.32    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 06:23:22  | -0.059   | 60.96            | 14.32    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 06:53:22  | -0.068   | 62               | 14.3     | 0                | 0            | 0               | 0          |
| 21/4/2018     | 07:23:22  | -0.073   | 62.95            | 14.22    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 07:53:22  | -0.071   | 63.63            | 14.13    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 08:23:22  | -0.072   | 63.86            | 14.03    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 08:53:22  | -0.072   | 64.13            | 13.97    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 09:23:22  | -0.071   | 64.49            | 13.91    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 09:53:22  | -0.063   | 64.67            | 13.8     | 0                | 0            | 0               | 0          |
| 21/4/2018     | 10:23:22  | -0.069   | 64.62            | 13.62    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 10:53:22  | -0.055   | 64.35            | 13.39    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 11:23:22  | -0.056   | 64.17            | 13.16    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 11:53:22  | -0.063   | 63.99            | 12.9     | 0                | 0            | 0               | 0          |
| 21/4/2018     | 12:23:22  | -0.072   | 63.77            | 12.67    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 12:53:22  | -0.074   | 63.49            | 12.39    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 13:23:22  | -0.063   | 63.13            | 12.11    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 13:53:22  | -0.079   | 62.82            | 11.86    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 14:23:22  | -0.063   | 62.5             | 11.53    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 14:53:22  | -0.061   | 62.23            | 11.34    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 15:23:22  | -0.072   | 61.91            | 11.15    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 15:53:22  | -0.063   | 61.64            | 10.94    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 16:23:22  | -0.066   | 61.28            | 10.82    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 16:53:22  | -0.071   | 60.96            | 10.7     | 0                | 0            | 0               | 0          |
| 21/4/2018     | 17:23:22  | -0.068   | 60.6             | 10.56    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 17:53:22  | -0.069   | 60.29            | 10.46    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 18:23:22  | -0.061   | 59.97            | 10.3     | 0                | 0            | 0               | 0          |
| 21/4/2018     | 18:53:22  | -0.078   | 59.65            | 10.17    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 19:23:22  | -0.078   | 59.34            | 10.03    | 0                | 0            | 0               | 0          |
| 21/4/2018     | 19:53:22  | -0.085   | 59.02            | 9.87     | 0                | 0            | 0               | 0          |
| 21/4/2018     | 20:23:22  | -0.088   | 58.75            | 9.71     | 0                | 0            | 0               | 0          |
| 21/4/2018     | 20:53:22  | -0.075   | 58.48            | 9.65     | 0                | 0            | 0               | 0          |
| 21/4/2018     | 21:23:22  | -0.076   | 58.34            | 9.73     | 0                | 0            | 0               | 0          |
| 21/4/2018     | 21:53:22  | -0.078   | 58.21            | 9.81     | 0                | 0            | 0               | 0          |
| 21/4/2018     | 22:23:22  | -0.091   | 58.03            | 9.84     | 0                | 0            | 0               | 0          |
| 21/4/2018     | 22:53:22  | -0.063   | 57.85            | 9.81     | 0                | 0            | 0               | 0          |
| 21/4/2018     | 23:23:22  | -0.073   | 57.71            | 9.81     | 0                | 0            | 0               | 0          |
| 21/4/2018     | 23:53:22  | -0.09    | 57.58            | 9.85     | 0                | 0            | 0               | 0          |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |            |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s) |
| 22/4/2018     | 00:23:22  | -0.071   | 57.49            | 9.85     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 00:53:22  | -0.07    | 57.49            | 9.92     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 01:23:22  | -0.07    | 57.44            | 10       | 0                | 0            | 0               | 0          |
| 22/4/2018     | 01:53:22  | -0.072   | 57.39            | 10.06    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 02:23:22  | -0.075   | 57.35            | 10.14    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 02:53:22  | -0.075   | 57.35            | 10.14    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 03:23:22  | -0.077   | 57.35            | 10.14    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 03:53:22  | -0.061   | 57.39            | 10.12    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 04:23:22  | -0.062   | 57.35            | 10.16    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 04:53:22  | -0.068   | 57.39            | 10.23    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 05:23:22  | -0.061   | 57.49            | 10.35    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 05:53:22  | -0.087   | 57.67            | 10.65    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 06:23:22  | -0.089   | 57.98            | 11.06    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 06:53:22  | -0.06    | 58.3             | 11.65    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 07:23:22  | -0.068   | 58.71            | 11.94    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 07:53:22  | -0.079   | 59.07            | 12.03    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 08:23:22  | -0.068   | 59.38            | 11.92    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 08:53:22  | -0.068   | 59.56            | 11.64    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 09:23:22  | -0.065   | 59.83            | 11.51    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 09:53:22  | -0.06    | 59.83            | 11.31    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 10:23:22  | -0.068   | 59.88            | 11.04    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 10:53:22  | -0.08    | 59.79            | 10.68    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 11:23:22  | -0.073   | 59.56            | 10.29    | 0                | 0            | 0               | 0          |
| 22/4/2018     | 11:53:22  | -0.064   | 59.29            | 9.89     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 12:23:22  | -0.09    | 59.02            | 9.7      | 0                | 0            | 0               | 0          |
| 22/4/2018     | 12:53:22  | -0.069   | 58.84            | 9.33     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 13:23:22  | -0.072   | 58.57            | 9.01     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 13:53:22  | -0.071   | 58.34            | 8.8      | 0                | 0            | 0               | 0          |
| 22/4/2018     | 14:23:22  | -0.064   | 58.16            | 8.7      | 0                | 0            | 0               | 0          |
| 22/4/2018     | 14:53:22  | -0.074   | 57.94            | 8.66     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 15:23:22  | -0.081   | 57.76            | 8.57     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 15:53:22  | -0.082   | 57.53            | 8.49     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 16:23:22  | -0.072   | 57.35            | 8.41     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 16:53:22  | -0.079   | 57.17            | 8.34     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 17:23:22  | -0.085   | 56.99            | 8.36     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 17:53:22  | -0.07    | 56.85            | 8.29     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 18:23:22  | -0.083   | 56.67            | 8.21     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 18:53:22  | -0.079   | 56.49            | 8.09     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 19:23:22  | -0.086   | 56.31            | 7.93     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 19:53:22  | -0.089   | 56.13            | 7.95     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 20:23:22  | -0.081   | 55.95            | 7.76     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 20:53:22  | -0.078   | 55.77            | 7.73     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 21:23:22  | -0.075   | 55.63            | 7.74     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 21:53:22  | -0.086   | 55.54            | 7.85     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 22:23:22  | -0.074   | 55.5             | 8.1      | 0                | 0            | 0               | 0          |
| 22/4/2018     | 22:53:22  | -0.073   | 55.41            | 8.4      | 0                | 0            | 0               | 0          |
| 22/4/2018     | 23:23:22  | -0.079   | 55.36            | 8.55     | 0                | 0            | 0               | 0          |
| 22/4/2018     | 23:53:22  | -0.076   | 55.32            | 8.66     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 00:23:22  | -0.078   | 55.27            | 8.81     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 00:53:22  | -0.071   | 55.36            | 8.91     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 01:23:22  | -0.072   | 55.41            | 9.25     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 01:53:22  | -0.081   | 55.5             | 9.5      | 0                | 0            | 0               | 0          |
| 23/4/2018     | 02:23:22  | -0.077   | 55.59            | 9.68     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 02:53:22  | -0.066   | 55.81            | 10.09    | 0                | 0            | 0               | 0          |
| 23/4/2018     | 03:23:22  | -0.08    | 55.95            | 10.45    | 0                | 0            | 0               | 0          |
| 23/4/2018     | 03:53:22  | -0.07    | 56.13            | 10.48    | 0                | 0            | 0               | 0          |
| 23/4/2018     | 04:23:22  | -0.072   | 56.22            | 10.43    | 0                | 0            | 0               | 0          |
| 23/4/2018     | 04:53:22  | -0.071   | 56.36            | 10.28    | 0                | 0            | 0               | 0          |
| 23/4/2018     | 05:23:22  | -0.071   | 56.63            | 10.09    | 0                | 0            | 0               | 0          |
| 23/4/2018     | 05:53:22  | -0.079   | 56.85            | 10       | 0                | 0            | 0               | 0          |
| 23/4/2018     | 06:23:22  | -0.082   | 57.12            | 9.89     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 06:53:22  | -0.072   | 57.12            | 9.66     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 07:23:22  | -0.087   | 57.17            | 9.45     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 07:53:22  | -0.071   | 57.17            | 9.17     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 08:23:22  | -0.093   | 57.03            | 8.94     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 08:53:22  | -0.067   | 56.94            | 8.62     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 09:23:22  | -0.08    | 56.85            | 8.46     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 09:53:22  | -0.073   | 56.76            | 8.37     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 10:23:22  | -0.076   | 56.63            | 8.27     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 10:53:22  | -0.077   | 56.49            | 8.24     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 11:23:22  | -0.077   | 56.4             | 8.21     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 11:53:22  | -0.07    | 56.31            | 8.17     | 0                | 0            | 0               | 0          |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |            |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s) |
| 23/4/2018     | 12:23:22  | -0.085   | 56.27            | 8.24     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 12:53:22  | -0.074   | 56.13            | 8.2      | 0                | 0            | 0               | 0          |
| 23/4/2018     | 13:23:22  | -0.071   | 56.08            | 8.17     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 13:53:22  | -0.08    | 55.99            | 8.25     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 14:23:22  | -0.074   | 55.86            | 8.21     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 14:53:22  | -0.075   | 55.77            | 8.21     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 15:23:22  | -0.061   | 55.68            | 8.09     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 15:53:22  | -0.069   | 55.59            | 8.14     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 16:23:22  | -0.088   | 55.5             | 8.1      | 0                | 0            | 0               | 0          |
| 23/4/2018     | 16:53:22  | -0.083   | 55.45            | 8.04     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 17:23:22  | -0.077   | 55.36            | 8.08     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 17:53:22  | -0.08    | 55.32            | 8.02     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 18:23:22  | -0.08    | 55.23            | 7.92     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 18:53:22  | -0.077   | 55.14            | 7.82     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 19:23:22  | -0.078   | 55.09            | 7.81     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 19:53:22  | -0.076   | 55.05            | 7.83     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 20:23:22  | -0.084   | 54.95            | 7.85     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 20:53:22  | -0.09    | 54.91            | 7.88     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 21:23:22  | -0.071   | 54.86            | 7.84     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 21:53:22  | -0.075   | 54.82            | 7.9      | 0                | 0            | 0               | 0          |
| 23/4/2018     | 22:23:22  | -0.071   | 54.77            | 7.87     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 22:53:22  | -0.075   | 54.68            | 7.86     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 23:23:22  | -0.07    | 54.64            | 7.84     | 0                | 0            | 0               | 0          |
| 23/4/2018     | 23:53:22  | -0.082   | 54.59            | 7.86     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 00:23:22  | -0.071   | 54.5             | 7.82     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 00:53:22  | -0.083   | 54.5             | 7.79     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 01:23:22  | -0.085   | 54.5             | 7.77     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 01:53:22  | -0.068   | 54.55            | 7.8      | 0                | 0            | 0               | 0          |
| 24/4/2018     | 02:23:22  | -0.072   | 54.55            | 7.89     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 02:53:22  | -0.082   | 54.55            | 7.88     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 03:23:22  | -0.087   | 54.55            | 7.9      | 0                | 0            | 0               | 0          |
| 24/4/2018     | 03:53:22  | -0.072   | 54.55            | 7.89     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 04:23:22  | -0.075   | 54.5             | 7.89     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 04:53:22  | -0.057   | 54.5             | 7.85     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 05:23:22  | -0.075   | 54.5             | 7.95     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 05:53:22  | -0.077   | 54.5             | 8.05     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 06:23:22  | -0.063   | 54.5             | 8.09     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 06:53:22  | -0.072   | 54.55            | 8.16     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 07:23:22  | -0.085   | 54.55            | 8.22     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 07:53:22  | -0.068   | 54.55            | 8.17     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 08:23:22  | -0.067   | 54.55            | 8.11     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 08:53:22  | -0.06    | 54.46            | 8.06     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 09:23:22  | -0.059   | 54.41            | 8.09     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 09:53:22  | -0.067   | 54.28            | 8.08     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 10:23:22  | -0.067   | 54.23            | 7.93     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 10:53:22  | -0.071   | 54.28            | 7.84     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 11:23:22  | -0.069   | 54.32            | 7.76     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 11:53:22  | -0.067   | 54.28            | 7.59     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 12:23:22  | -0.071   | 54.23            | 7.46     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 12:53:22  | -0.069   | 54.19            | 7.31     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 13:23:22  | -0.071   | 54.14            | 7.21     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 13:53:22  | -0.06    | 54.1             | 7.05     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 14:23:22  | -0.058   | 54.05            | 7        | 0                | 0            | 0               | 0          |
| 24/4/2018     | 14:53:22  | -0.071   | 54.01            | 7.06     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 15:23:22  | -0.065   | 53.96            | 7.04     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 15:53:22  | -0.067   | 53.92            | 7.07     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 16:23:22  | -0.067   | 53.83            | 7.06     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 16:53:22  | -0.071   | 53.69            | 7.03     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 17:23:22  | -0.07    | 53.6             | 7.04     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 17:53:22  | -0.07    | 53.46            | 6.92     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 18:23:22  | -0.067   | 53.33            | 6.7      | 0                | 0            | 0               | 0          |
| 24/4/2018     | 18:53:22  | -0.069   | 53.19            | 6.53     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 19:23:22  | -0.069   | 53.06            | 6.47     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 19:53:22  | -0.072   | 52.92            | 6.49     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 20:23:22  | -0.068   | 52.74            | 6.53     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 20:53:22  | -0.065   | 52.6             | 6.48     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 21:23:22  | -0.067   | 52.51            | 6.52     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 21:53:22  | -0.065   | 52.38            | 6.6      | 0                | 0            | 0               | 0          |
| 24/4/2018     | 22:23:22  | -0.062   | 52.24            | 6.59     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 22:53:22  | -0.064   | 52.11            | 6.57     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 23:23:22  | -0.074   | 52.06            | 6.82     | 0                | 0            | 0               | 0          |
| 24/4/2018     | 23:53:22  | -0.064   | 52.02            | 7.16     | 0                | 0            | 0               | 0          |



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |            |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s) |
| 25/4/2018     | 00:23:22  | -0.069   | 52.06            | 7.72     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 00:53:22  | -0.062   | 52.06            | 8.08     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 01:23:22  | -0.077   | 52.15            | 8.69     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 01:53:22  | -0.069   | 52.2             | 9.05     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 02:23:22  | -0.064   | 52.29            | 9.48     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 02:53:22  | -0.064   | 52.42            | 10.03    | 0                | 0            | 0               | 0          |
| 25/4/2018     | 03:23:22  | -0.067   | 52.51            | 10.42    | 0                | 0            | 0               | 0          |
| 25/4/2018     | 03:53:22  | -0.068   | 52.56            | 10.38    | 0                | 0            | 0               | 0          |
| 25/4/2018     | 04:23:22  | -0.063   | 52.88            | 13.02    | 0                | 0            | 0               | 0          |
| 25/4/2018     | 04:53:22  | -0.063   | 53.06            | 13.44    | 0                | 0            | 0               | 0          |
| 25/4/2018     | 05:23:22  | -0.051   | 53.24            | 13.15    | 0                | 0            | 0               | 0          |
| 25/4/2018     | 05:53:22  | -0.064   | 53.51            | 13.02    | 0                | 0            | 0               | 0          |
| 25/4/2018     | 06:23:22  | -0.07    | 53.87            | 12.8     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 06:53:22  | -0.073   | 54.14            | 12.55    | 0                | 0            | 0               | 0          |
| 25/4/2018     | 07:23:22  | -0.056   | 54.59            | 12.32    | 0                | 0            | 0               | 0          |
| 25/4/2018     | 07:53:22  | -0.067   | 55.09            | 12.08    | 0                | 0            | 0               | 0          |
| 25/4/2018     | 08:23:22  | -0.058   | 55.27            | 11.67    | 0                | 0            | 0               | 0          |
| 25/4/2018     | 08:53:22  | -0.069   | 55.81            | 11.31    | 0                | 0            | 0               | 0          |
| 25/4/2018     | 09:23:22  | -0.079   | 56.4             | 11.08    | 0                | 0            | 0               | 0          |
| 25/4/2018     | 09:53:22  | -0.06    | 56.76            | 10.73    | 0                | 0            | 0               | 0          |
| 25/4/2018     | 10:23:22  | -0.056   | 56.85            | 10.36    | 0                | 0            | 0               | 0          |
| 25/4/2018     | 10:53:22  | -0.064   | 56.63            | 9.92     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 11:23:22  | -0.069   | 56.54            | 9.49     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 11:53:22  | -0.06    | 56.58            | 9.04     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 12:23:22  | -0.06    | 56.4             | 8.7      | 0                | 0            | 0               | 0          |
| 25/4/2018     | 12:53:22  | -0.061   | 56.27            | 8.35     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 13:23:22  | -0.077   | 56.08            | 8.03     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 13:53:22  | -0.067   | 55.9             | 7.79     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 14:23:22  | -0.062   | 55.63            | 7.65     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 14:53:22  | -0.064   | 55.5             | 7.55     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 15:23:22  | -0.072   | 55.32            | 7.49     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 15:53:22  | -0.069   | 55.09            | 7.39     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 16:23:22  | -0.072   | 54.91            | 7.26     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 16:53:22  | -0.071   | 54.64            | 7.2      | 0                | 0            | 0               | 0          |
| 25/4/2018     | 17:23:22  | -0.072   | 54.37            | 7.11     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 17:53:22  | -0.076   | 54.14            | 7.12     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 18:23:22  | -0.075   | 53.96            | 7.02     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 18:53:22  | -0.075   | 53.78            | 7.04     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 19:23:22  | -0.077   | 53.6             | 6.96     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 19:53:22  | -0.076   | 53.42            | 6.84     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 20:23:22  | -0.08    | 53.24            | 6.87     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 20:53:22  | -0.072   | 53.06            | 6.86     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 21:23:22  | -0.076   | 52.92            | 6.89     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 21:53:22  | -0.077   | 52.74            | 6.83     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 22:23:22  | -0.074   | 52.6             | 6.78     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 22:53:22  | -0.078   | 52.42            | 6.73     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 23:23:22  | -0.072   | 52.33            | 6.83     | 0                | 0            | 0               | 0          |
| 25/4/2018     | 23:53:22  | -0.082   | 52.24            | 7.02     | 0                | 0            | 0               | 0          |
| 26/4/2018     | 00:23:22  | -0.077   | 52.29            | 7.26     | 0                | 0            | 0               | 0          |
| 26/4/2018     | 00:53:22  | -0.068   | 52.38            | 7.77     | 0                | 0            | 0               | 0          |
| 26/4/2018     | 01:23:22  | -0.086   | 52.47            | 8.64     | 0                | 0            | 0               | 0          |
| 26/4/2018     | 01:53:22  | -0.081   | 52.6             | 9.26     | 0                | 0            | 0               | 0          |
| 26/4/2018     | 02:23:22  | -0.077   | 52.74            | 9.63     | 0                | 0            | 0               | 0          |
| 26/4/2018     | 02:53:22  | -0.074   | 52.88            | 9.9      | 0                | 0            | 0               | 0          |
| 26/4/2018     | 03:23:22  | -0.069   | 53.06            | 10       | 0                | 0            | 0               | 0          |
| 26/4/2018     | 03:53:22  | -0.069   | 53.28            | 10.21    | 0                | 0            | 0               | 0          |
| 26/4/2018     | 04:23:22  | -0.074   | 53.42            | 10.3     | 0                | 0            | 0               | 0          |
| 26/4/2018     | 04:53:22  | -0.067   | 53.78            | 10.25    | 0                | 0            | 0               | 0          |
| 26/4/2018     | 05:23:22  | -0.074   | 54.01            | 10.33    | 0                | 0            | 0               | 0          |
| 26/4/2018     | 05:53:22  | -0.076   | 54.41            | 10.24    | 0                | 0            | 0               | 0          |
| 26/4/2018     | 06:23:22  | -0.083   | 54.82            | 10.11    | 0                | 0            | 0               | 0          |
| 26/4/2018     | 06:53:22  | -0.064   | 55.23            | 9.89     | 0                | 0            | 0               | 0          |
| 26/4/2018     | 07:23:22  | -0.066   | 55.59            | 9.79     | 0                | 0            | 0               | 0          |
| 26/4/2018     | 07:53:22  | -0.058   | 55.95            | 9.55     | 0                | 0            | 0               | 0          |
| 26/4/2018     | 08:23:22  | -0.065   | 56.4             | 9.33     | 0                | 0            | 0               | 0          |
| 26/4/2018     | 08:53:22  | -0.059   | 56.99            | 9.09     | 0                | 0            | 0               | 0          |
| 26/4/2018     | 09:23:22  | -0.068   | 56.85            | 8.86     | 0                | 0            | 0               | 0          |
| 26/4/2018     | 09:53:22  | -0.059   | 57.12            | 8.4      | 0                | 0            | 0               | 0          |
| 26/4/2018     | 10:23:22  | -0.061   | 57.44            | 8.08     | 0                | 0            | 0               | 0          |
| 26/4/2018     | 10:53:22  | -0.064   | 57.44            | 7.71     | 0                | 0            | 0               | 0          |
| 26/4/2018     | 11:23:22  | -0.064   | 57.58            | 7.29     | 0                | 0            | 0               | 0          |
| 26/4/2018     | 11:53:22  | -0.064   | 57.62            | 7.04     | 0                | 0            | 0               | 0          |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 26/4/2018     | 12:23:22  | -0.085   | 57.67            | 6.78     | 0                | 0            | 0               | 0           |
| 26/4/2018     | 12:53:22  | -0.062   | 57.58            | 6.5      | 0                | 0            | 0               | 0           |
| 26/4/2018     | 13:23:22  | -0.069   | 57.39            | 6.32     | 0                | 0            | 0               | 0           |
| 26/4/2018     | 13:53:22  | -0.08    | 57.21            | 6.21     | 0                | 0            | 0               | 0           |
| 26/4/2018     | 14:23:22  | -0.081   | 56.99            | 6.09     | 0                | 0            | 0               | 0           |
| 26/4/2018     | 14:53:22  | -0.065   | 56.81            | 6.04     | 0                | 0            | 0               | 0           |
| 26/4/2018     | 15:23:22  | -0.083   | 56.58            | 6.01     | 0                | 0            | 0               | 0           |
| 26/4/2018     | 15:53:22  | -0.075   | 56.36            | 6.01     | 0                | 0            | 0               | 0           |
| 26/4/2018     | 16:23:22  | -0.074   | 56.17            | 6.04     | 0                | 0            | 0               | 0           |
| 26/4/2018     | 16:53:22  | -0.067   | 55.99            | 6.09     | 0                | 0            | 0               | 0           |
| 26/4/2018     | 17:23:22  | -0.073   | 55.77            | 6.24     | 0                | 0            | 0               | 0           |
| 26/4/2018     | 17:53:22  | -0.066   | 55.59            | 6.27     | 0                | 0            | 0               | 0           |
| 26/4/2018     | 18:23:22  | -0.075   | 55.45            | 6.23     | 0                | 0            | 0               | 0           |
| 26/4/2018     | 18:53:22  | -0.067   | 55.27            | 6.2      | 0                | 0            | 0               | 0           |
| 26/4/2018     | 19:23:22  | -0.068   | 55.14            | 6.25     | 0                | 0            | 0               | 0           |
| 26/4/2018     | 19:53:22  | -0.073   | 55               | 6.33     | 0                | 0            | 0               | 0           |
| 26/4/2018     | 20:23:22  | -0.076   | 54.82            | 6.36     | 0                | 0            | 0               | 0           |
| 26/4/2018     | 20:53:22  | -0.071   | 54.68            | 6.37     | 0                | 0            | 0               | 0           |
| 26/4/2018     | 21:23:22  | -0.076   | 54.5             | 6.34     | 0                | 0            | 0               | 0           |
| 26/4/2018     | 21:53:22  | -0.07    | 54.32            | 6.3      | 0                | 0            | 0               | 0           |
| 26/4/2018     | 22:23:22  | -0.072   | 54.19            | 6.25     | 0                | 0            | 0               | 0           |
| 26/4/2018     | 22:53:22  | -0.077   | 54.01            | 6.2      | 0                | 0            | 0               | 0           |
| 26/4/2018     | 23:23:22  | -0.075   | 53.83            | 6.24     | 0                | 0            | 0               | 0           |
| 26/4/2018     | 23:53:22  | -0.073   | 53.64            | 6.24     | 0                | 0            | 0               | 0           |
| 27/4/2018     | 00:23:22  | -0.08    | 53.51            | 6.31     | 0                | 0            | 0               | 0           |
| 27/4/2018     | 00:53:22  | -0.073   | 53.37            | 6.3      | 0                | 0            | 0               | 0           |
| 27/4/2018     | 01:23:22  | -0.072   | 53.28            | 6.3      | 0                | 0            | 0               | 0           |
| 27/4/2018     | 01:53:22  | -0.085   | 53.24            | 6.4      | 0                | 0            | 0               | 0           |
| 27/4/2018     | 02:23:22  | -0.077   | 53.24            | 6.43     | 0                | 0            | 0               | 0           |
| 27/4/2018     | 02:53:22  | -0.073   | 53.28            | 6.63     | 0                | 0            | 0               | 0           |
| 27/4/2018     | 03:23:22  | -0.068   | 53.37            | 6.7      | 0                | 0            | 0               | 0           |
| 27/4/2018     | 03:53:22  | -0.069   | 53.46            | 6.74     | 0                | 0            | 0               | 0           |
| 27/4/2018     | 04:23:22  | -0.178   | 63.49            | 7        | 0                | 0            | 0               | 0           |
| 27/4/2018     | 04:53:22  | -0.081   | 63.27            | 7.43     | 0                | 0            | 0               | 0           |
| 27/4/2018     | 05:23:22  | 0.102    | 54.1             | 7.72     | 0                | 0.202        | 3.684           | 5.720003094 |
| 27/4/2018     | 05:53:22  | 0.11     | 54.14            | 7.14     | 0                | 0.237        | 3.865           | 6.711092739 |
| 27/4/2018     | 06:23:22  | 0.119    | 54.23            | 6.75     | 0                | 0.279        | 4.062           | 7.900400313 |
| 27/4/2018     | 06:53:22  | 0.103    | 54.46            | 6.95     | 0                | 0.207        | 3.707           | 5.861587329 |
| 27/4/2018     | 07:23:22  | 0.041    | 54.82            | 13.1     | 0                | 0.029        | 2.037           | 0.821188563 |
| 27/4/2018     | 07:53:22  | 0.038    | 54.95            | 12.14    | 0                | 0.025        | 1.939           | 0.707921175 |
| 27/4/2018     | 08:23:22  | 0.034    | 55.18            | 11.49    | 0                | 0.02         | 1.806           | 0.56633694  |
| 27/4/2018     | 08:53:22  | 0.042    | 55.36            | 10.98    | 0                | 0.031        | 2.068           | 0.877822257 |
| 27/4/2018     | 09:23:22  | 0.05     | 55.41            | 10.53    | 0                | 0.044        | 2.314           | 1.245941268 |
| 27/4/2018     | 09:53:22  | 0.037    | 55.5             | 10.06    | 0                | 0.023        | 1.907           | 0.651287481 |
| 27/4/2018     | 10:23:22  | 0.045    | 55.41            | 9.49     | 0                | 0.035        | 2.162           | 0.991089645 |
| 27/4/2018     | 10:53:22  | 0.046    | 55.32            | 8.9      | 0                | 0.037        | 2.193           | 1.047723339 |
| 27/4/2018     | 11:23:22  | 0.041    | 55.23            | 8.36     | 0                | 0.029        | 2.037           | 0.821188563 |
| 27/4/2018     | 11:53:22  | 0.042    | 55.05            | 7.91     | 0                | 0.031        | 2.068           | 0.877822257 |
| 27/4/2018     | 12:23:22  | 0.039    | 55               | 7.49     | 0                | 0.026        | 1.972           | 0.736238022 |
| 27/4/2018     | 12:53:22  | 0.037    | 54.86            | 7.17     | 0                | 0.023        | 1.907           | 0.651287481 |
| 27/4/2018     | 13:23:22  | 0.043    | 54.73            | 6.83     | 0                | 0.032        | 2.1             | 0.906139104 |
| 27/4/2018     | 13:53:22  | 0.033    | 54.59            | 6.62     | 0                | 0.018        | 1.772           | 0.509703246 |
| 27/4/2018     | 14:23:22  | 0.029    | 54.46            | 6.44     | 0                | 0.013        | 1.595           | 0.368119011 |
| 27/4/2018     | 14:53:22  | 0.033    | 54.32            | 6.33     | 0                | 0.017        | 1.737           | 0.481386399 |
| 27/4/2018     | 15:23:22  | 0.028    | 54.19            | 6.24     | 0                | 0.012        | 1.558           | 0.339802164 |
| 27/4/2018     | 15:53:22  | 0.024    | 54.05            | 6.15     | 0                | 0.009        | 1.407           | 0.254851623 |
| 27/4/2018     | 16:23:22  | 0.025    | 53.92            | 6.03     | 0                | 0.009        | 1.446           | 0.254851623 |
| 27/4/2018     | 16:53:22  | 0.03     | 53.73            | 5.87     | 0                | 0.014        | 1.631           | 0.396435858 |
| 27/4/2018     | 17:23:22  | 0.027    | 53.6             | 5.87     | 0                | 0.011        | 1.521           | 0.311485317 |
| 27/4/2018     | 17:53:22  | 0.024    | 53.46            | 5.82     | 0                | 0.009        | 1.407           | 0.254851623 |
| 27/4/2018     | 18:23:22  | 0.019    | 53.28            | 5.75     | 0                | 0.005        | 1.205           | 0.141584235 |
| 27/4/2018     | 18:53:22  | 0.031    | 53.15            | 5.63     | 0                | 0.015        | 1.667           | 0.424752705 |
| 27/4/2018     | 19:23:22  | 0.02     | 53.06            | 5.7      | 0                | 0.006        | 1.247           | 0.169901082 |
| 27/4/2018     | 19:53:22  | 0.02     | 52.92            | 5.76     | 0                | 0.006        | 1.247           | 0.169901082 |
| 27/4/2018     | 20:23:22  | 0.024    | 52.79            | 5.75     | 0                | 0.009        | 1.407           | 0.254851623 |
| 27/4/2018     | 20:53:22  | 0.02     | 52.7             | 5.72     | 0                | 0.006        | 1.247           | 0.169901082 |
| 27/4/2018     | 21:23:22  | 0.022    | 52.6             | 5.69     | 0                | 0.007        | 1.328           | 0.198217929 |
| 27/4/2018     | 21:53:22  | 0.019    | 52.47            | 5.85     | 0                | 0.005        | 1.205           | 0.141584235 |
| 27/4/2018     | 22:23:22  | 0.021    | 52.33            | 5.77     | 0                | 0.007        | 1.288           | 0.198217929 |
| 27/4/2018     | 22:53:22  | 0.026    | 52.24            | 5.71     | 0                | 0.01         | 1.484           | 0.28316847  |
| 27/4/2018     | 23:23:22  | 0.018    | 52.2             | 5.73     | 0                | 0.005        | 1.163           | 0.141584235 |
| 27/4/2018     | 23:53:22  | 0.02     | 52.15            | 5.86     | 0                | 0.006        | 1.247           | 0.169901082 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 28/4/2018     | 00:23:22  | 0.012    | 52.2             | 6.12     | 0                | 0.002        | 0.888           | 0.056633694 |
| 28/4/2018     | 00:53:22  | 0.02     | 52.29            | 6.66     | 0                | 0.006        | 1.247           | 0.169901082 |
| 28/4/2018     | 01:23:22  | 0.015    | 52.42            | 7.46     | 0                | 0.003        | 1.03            | 0.084950541 |
| 28/4/2018     | 01:53:22  | 0.015    | 52.56            | 7.78     | 0                | 0.003        | 1.03            | 0.084950541 |
| 28/4/2018     | 02:23:22  | 0.029    | 52.83            | 8.14     | 0                | 0.013        | 1.595           | 0.368119011 |
| 28/4/2018     | 02:53:22  | 0.023    | 53.19            | 8.94     | 0                | 0.008        | 1.368           | 0.226534776 |
| 28/4/2018     | 03:23:22  | 0.02     | 53.73            | 9.73     | 0                | 0.006        | 1.247           | 0.169901082 |
| 28/4/2018     | 03:53:22  | 0.02     | 54.41            | 10.35    | 0                | 0.006        | 1.247           | 0.169901082 |
| 28/4/2018     | 04:23:22  | 0.023    | 54.95            | 10.35    | 0                | 0.008        | 1.368           | 0.226534776 |
| 28/4/2018     | 04:53:22  | 0.025    | 55.54            | 10.25    | 0                | 0.009        | 1.446           | 0.254851623 |
| 28/4/2018     | 05:23:22  | 0.017    | 56.31            | 10.43    | 0                | 0.004        | 1.119           | 0.113267388 |
| 28/4/2018     | 05:53:22  | 0.02     | 56.63            | 10.32    | 0                | 0.006        | 1.247           | 0.169901082 |
| 28/4/2018     | 06:23:22  | 0.026    | 57.12            | 10.01    | 0                | 0.01         | 1.484           | 0.28316847  |
| 28/4/2018     | 06:53:22  | 0.02     | 57.58            | 9.75     | 0                | 0.006        | 1.247           | 0.169901082 |
| 28/4/2018     | 07:23:22  | 0.026    | 58.21            | 9.36     | 0                | 0.01         | 1.484           | 0.28316847  |
| 28/4/2018     | 07:53:22  | 0.016    | 58.48            | 9.01     | 0                | 0.004        | 1.075           | 0.113267388 |
| 28/4/2018     | 08:23:22  | 0.021    | 58.84            | 8.68     | 0                | 0.007        | 1.288           | 0.198217929 |
| 28/4/2018     | 08:53:22  | 0.018    | 59.79            | 8.41     | 0                | 0.005        | 1.163           | 0.141584235 |
| 28/4/2018     | 09:23:22  | 0.025    | 60.33            | 8.16     | 0                | 0.009        | 1.446           | 0.254851623 |
| 28/4/2018     | 09:53:22  | 0.018    | 60.83            | 7.85     | 0                | 0.005        | 1.163           | 0.141584235 |
| 28/4/2018     | 10:23:22  | 0.022    | 60.56            | 7.31     | 0                | 0.007        | 1.328           | 0.198217929 |
| 28/4/2018     | 10:53:22  | 0.016    | 60.51            | 6.77     | 0                | 0.004        | 1.075           | 0.113267388 |
| 28/4/2018     | 11:23:22  | 0.016    | 60.38            | 6.64     | 0                | 0.004        | 1.075           | 0.113267388 |
| 28/4/2018     | 11:53:22  | 0.012    | 60.11            | 6.44     | 0                | 0.002        | 0.888           | 0.056633694 |
| 28/4/2018     | 12:23:22  | 0.01     | 59.88            | 6.3      | 0                | 0.001        | 0.787           | 0.028316847 |
| 28/4/2018     | 12:53:22  | 0.014    | 59.47            | 5.89     | 0                | 0.003        | 0.984           | 0.084950541 |
| 28/4/2018     | 13:23:22  | 0.007    | 59.16            | 5.56     | 0                | 0.001        | 0.621           | 0.028316847 |
| 28/4/2018     | 13:53:22  | 0.011    | 58.75            | 5.14     | 0                | 0.002        | 0.838           | 0.056633694 |
| 28/4/2018     | 14:23:22  | 0.005    | 58.39            | 4.92     | 0                | 0            | 0.496           | 0           |
| 28/4/2018     | 14:53:22  | 0.004    | 57.98            | 4.78     | 0                | 0            | 0.427           | 0           |
| 28/4/2018     | 15:23:22  | -0.003   | 57.62            | 4.84     | 0                | 0            | 0               | 0           |
| 28/4/2018     | 15:53:22  | 0.009    | 57.21            | 4.77     | 0                | 0.001        | 0.733           | 0.028316847 |
| 28/4/2018     | 16:23:22  | 0.004    | 56.81            | 4.71     | 0                | 0            | 0.427           | 0           |
| 28/4/2018     | 16:53:22  | 0.007    | 56.4             | 4.64     | 0                | 0.001        | 0.621           | 0.028316847 |
| 28/4/2018     | 17:23:22  | 0.015    | 55.99            | 4.69     | 0                | 0.003        | 1.03            | 0.084950541 |
| 28/4/2018     | 17:53:22  | 0.004    | 55.63            | 4.72     | 0                | 0            | 0.427           | 0           |
| 28/4/2018     | 18:23:22  | 0.004    | 55.27            | 4.7      | 0                | 0            | 0.427           | 0           |
| 28/4/2018     | 18:53:22  | 0.004    | 54.95            | 4.76     | 0                | 0            | 0.427           | 0           |
| 28/4/2018     | 19:23:22  | -0.002   | 54.73            | 4.84     | 0                | 0            | 0               | 0           |
| 28/4/2018     | 19:53:22  | -0.003   | 54.55            | 5.1      | 0                | 0            | 0               | 0           |
| 28/4/2018     | 20:23:22  | 0.006    | 54.28            | 5.23     | 0                | 0            | 0.56            | 0           |
| 28/4/2018     | 20:53:22  | -0.004   | 54.1             | 5.36     | 0                | 0            | 0               | 0           |
| 28/4/2018     | 21:23:22  | 0        | 53.92            | 5.38     | 0                | 0            | 0               | 0           |
| 28/4/2018     | 21:53:22  | -0.005   | 53.69            | 5.4      | 0                | 0            | 0               | 0           |
| 28/4/2018     | 22:23:22  | 0.004    | 53.42            | 5.15     | 0                | 0            | 0.427           | 0           |
| 28/4/2018     | 22:53:22  | -0.004   | 53.24            | 4.95     | 0                | 0            | 0               | 0           |
| 28/4/2018     | 23:23:22  | 0        | 53.06            | 4.95     | 0                | 0            | 0               | 0           |
| 28/4/2018     | 23:53:22  | -0.008   | 52.92            | 5.05     | 0                | 0            | 0               | 0           |
| 29/4/2018     | 00:23:22  | -0.001   | 52.92            | 5.44     | 0                | 0            | 0               | 0           |
| 29/4/2018     | 00:53:22  | -0.004   | 53.06            | 6.22     | 0                | 0            | 0               | 0           |
| 29/4/2018     | 01:23:22  | 0.001    | 53.24            | 7.53     | 0                | 0            | 0.17            | 0           |
| 29/4/2018     | 01:53:22  | -0.003   | 53.55            | 8.73     | 0                | 0            | 0               | 0           |
| 29/4/2018     | 02:23:22  | 0.008    | 53.92            | 9.36     | 0                | 0.001        | 0.678           | 0.028316847 |
| 29/4/2018     | 02:53:22  | -0.001   | 54.41            | 9.56     | 0                | 0            | 0               | 0           |
| 29/4/2018     | 03:23:22  | -0.003   | 54.86            | 9.62     | 0                | 0            | 0               | 0           |
| 29/4/2018     | 03:53:22  | -0.008   | 55.68            | 9.71     | 0                | 0            | 0               | 0           |
| 29/4/2018     | 04:23:22  | 0.003    | 55.9             | 9.27     | 0                | 0            | 0.353           | 0           |
| 29/4/2018     | 04:53:22  | -0.004   | 56.08            | 8.8      | 0                | 0            | 0               | 0           |
| 29/4/2018     | 05:23:22  | 0.004    | 56.49            | 8.43     | 0                | 0            | 0.427           | 0           |
| 29/4/2018     | 05:53:22  | 0.003    | 56.63            | 8.47     | 0                | 0            | 0.353           | 0           |
| 29/4/2018     | 06:23:22  | -0.003   | 56.67            | 7.98     | 0                | 0            | 0               | 0           |
| 29/4/2018     | 06:53:22  | 0.002    | 57.17            | 8.03     | 0                | 0            | 0.269           | 0           |
| 29/4/2018     | 07:23:22  | 0.003    | 57.94            | 8.4      | 0                | 0            | 0.353           | 0           |
| 29/4/2018     | 07:53:22  | 0.008    | 58.3             | 8.36     | 0                | 0.001        | 0.678           | 0.028316847 |
| 29/4/2018     | 08:23:22  | 0.009    | 58.57            | 8.24     | 0                | 0.001        | 0.733           | 0.028316847 |
| 29/4/2018     | 08:53:22  | 0.003    | 58.93            | 8.05     | 0                | 0            | 0.353           | 0           |
| 29/4/2018     | 09:23:22  | -0.004   | 58.84            | 7.95     | 0                | 0            | 0               | 0           |
| 29/4/2018     | 09:53:22  | 0.006    | 59.2             | 7.55     | 0                | 0            | 0.56            | 0           |
| 29/4/2018     | 10:23:22  | 0.008    | 59.11            | 7.05     | 0                | 0.001        | 0.678           | 0.028316847 |
| 29/4/2018     | 10:53:22  | -0.004   | 58.84            | 6.54     | 0                | 0            | 0               | 0           |
| 29/4/2018     | 11:23:22  | 0.002    | 58.52            | 6.17     | 0                | 0            | 0.269           | 0           |
| 29/4/2018     | 11:53:22  | -0.004   | 58.07            | 5.87     | 0                | 0            | 0               | 0           |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |            |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s) |
| 29/4/2018     | 12:23:22  | 0.001    | 57.67            | 5.72     | 0                | 0            | 0.17            | 0          |
| 29/4/2018     | 12:53:22  | -0.002   | 57.3             | 5.52     | 0                | 0            | 0               | 0          |
| 29/4/2018     | 13:23:22  | -0.001   | 56.99            | 5.24     | 0                | 0            | 0               | 0          |
| 29/4/2018     | 13:53:22  | -0.004   | 56.67            | 4.9      | 0                | 0            | 0               | 0          |
| 29/4/2018     | 14:23:22  | -0.002   | 56.36            | 4.71     | 0                | 0            | 0               | 0          |
| 29/4/2018     | 14:53:22  | -0.006   | 56.04            | 4.66     | 0                | 0            | 0               | 0          |
| 29/4/2018     | 15:23:22  | -0.006   | 55.77            | 4.62     | 0                | 0            | 0               | 0          |
| 29/4/2018     | 15:53:22  | -0.012   | 55.45            | 4.69     | 0                | 0            | 0               | 0          |
| 29/4/2018     | 16:23:22  | -0.014   | 55.18            | 4.77     | 0                | 0            | 0               | 0          |
| 29/4/2018     | 16:53:22  | -0.009   | 54.91            | 4.83     | 0                | 0            | 0               | 0          |
| 29/4/2018     | 17:23:22  | -0.008   | 54.68            | 4.72     | 0                | 0            | 0               | 0          |
| 29/4/2018     | 17:53:22  | -0.004   | 54.41            | 4.8      | 0                | 0            | 0               | 0          |
| 29/4/2018     | 18:23:22  | -0.012   | 54.23            | 4.84     | 0                | 0            | 0               | 0          |
| 29/4/2018     | 18:53:22  | -0.017   | 54.01            | 4.82     | 0                | 0            | 0               | 0          |
| 29/4/2018     | 19:23:22  | -0.006   | 53.78            | 4.7      | 0                | 0            | 0               | 0          |
| 29/4/2018     | 19:53:22  | -0.009   | 53.6             | 4.7      | 0                | 0            | 0               | 0          |
| 29/4/2018     | 20:23:22  | -0.008   | 53.37            | 4.6      | 0                | 0            | 0               | 0          |
| 29/4/2018     | 20:53:22  | -0.005   | 53.19            | 4.56     | 0                | 0            | 0               | 0          |
| 29/4/2018     | 21:23:22  | -0.014   | 52.97            | 4.58     | 0                | 0            | 0               | 0          |
| 29/4/2018     | 21:53:22  | -0.009   | 52.83            | 4.57     | 0                | 0            | 0               | 0          |
| 29/4/2018     | 22:23:22  | -0.013   | 52.65            | 4.67     | 0                | 0            | 0               | 0          |
| 29/4/2018     | 22:53:22  | -0.01    | 52.51            | 4.68     | 0                | 0            | 0               | 0          |
| 29/4/2018     | 23:23:22  | -0.004   | 52.33            | 4.67     | 0                | 0            | 0               | 0          |
| 29/4/2018     | 23:53:22  | -0.016   | 52.24            | 4.81     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 00:23:22  | -0.006   | 52.29            | 5.16     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 00:53:22  | -0.007   | 52.38            | 5.9      | 0                | 0            | 0               | 0          |
| 30/4/2018     | 01:23:22  | -0.013   | 52.51            | 7.33     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 01:53:22  | -0.016   | 52.74            | 8        | 0                | 0            | 0               | 0          |
| 30/4/2018     | 02:23:22  | -0.004   | 53.01            | 8.27     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 02:53:22  | -0.011   | 53.42            | 8.75     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 03:23:22  | -0.008   | 53.83            | 8.97     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 03:53:22  | -0.003   | 54.1             | 8.74     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 04:23:22  | -0.007   | 54.37            | 8.36     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 04:53:22  | -0.008   | 54.77            | 8.13     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 05:23:22  | 0.002    | 55.18            | 8.25     | 0                | 0            | 0.269           | 0          |
| 30/4/2018     | 05:53:22  | 0.004    | 55.81            | 8.22     | 0                | 0            | 0.427           | 0          |
| 30/4/2018     | 06:23:22  | -0.003   | 56.31            | 8.34     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 06:53:22  | -0.001   | 56.67            | 8.21     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 07:23:22  | -0.002   | 57.12            | 8.06     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 07:53:22  | 0.002    | 57.44            | 7.87     | 0                | 0            | 0.269           | 0          |
| 30/4/2018     | 08:23:22  | -0.014   | 58.12            | 7.68     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 08:53:22  | 0.003    | 58.07            | 7.44     | 0                | 0            | 0.353           | 0          |
| 30/4/2018     | 09:23:22  | -0.006   | 58.43            | 7.33     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 09:53:22  | -0.013   | 58.43            | 6.96     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 10:23:22  | 0        | 58.57            | 6.43     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 10:53:22  | -0.003   | 58.71            | 5.79     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 11:23:22  | 0.001    | 58.39            | 5.3      | 0                | 0            | 0.17            | 0          |
| 30/4/2018     | 11:53:22  | 0        | 57.94            | 5.11     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 12:23:22  | -0.001   | 57.39            | 5.04     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 12:53:22  | -0.005   | 57.08            | 4.56     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 13:23:22  | -0.405   | 88.98            | 2.47     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 13:53:22  | -0.409   | 86.18            | 2.39     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 14:23:22  | -0.405   | 85.32            | 2.36     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 14:53:22  | -0.41    | 86.81            | 2.41     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 15:23:22  | -0.413   | 87.08            | 2.41     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 15:53:22  | -0.411   | 86.09            | 2.38     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 16:23:22  | -0.41    | 85.46            | 2.36     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 16:53:22  | -0.412   | 84.46            | 2.33     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 17:23:22  | -0.411   | 83.96            | 2.31     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 17:53:22  | -0.408   | 83.2             | 2.3      | 0                | 0            | 0               | 0          |
| 30/4/2018     | 18:23:22  | -0.413   | 82.97            | 2.28     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 18:53:22  | -0.409   | 83.51            | 2.3      | 0                | 0            | 0               | 0          |
| 30/4/2018     | 19:23:22  | -0.405   | 84.15            | 2.32     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 19:53:22  | -0.403   | 84.78            | 2.35     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 20:23:22  | -0.399   | 86               | 2.38     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 20:53:22  | -0.408   | 87.85            | 2.44     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 21:23:22  | -0.004   | 52.42            | 4.6      | 0                | 0            | 0               | 0          |
| 30/4/2018     | 21:53:22  | -0.009   | 52.29            | 4.64     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 22:23:22  | -0.342   | 84.78            | 2.78     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 22:53:22  | -0.002   | 52.02            | 4.64     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 23:23:22  | -0.01    | 51.93            | 4.76     | 0                | 0            | 0               | 0          |
| 30/4/2018     | 23:53:22  | -0.009   | 51.88            | 5.05     | 0                | 0            | 0               | 0          |



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 1/5/2018      | 00:23:22  | -0.009   | 51.97            | 5.8      | 0                | 0            | 0               | 0           |
| 1/5/2018      | 00:53:22  | -0.01    | 52.11            | 6.68     | 0                | 0            | 0               | 0           |
| 1/5/2018      | 01:23:22  | -0.013   | 52.24            | 7.63     | 0                | 0            | 0               | 0           |
| 1/5/2018      | 01:53:22  | -0.012   | 52.33            | 7.89     | 0                | 0            | 0               | 0           |
| 1/5/2018      | 02:23:22  | -0.004   | 52.56            | 8.18     | 0                | 0            | 0               | 0           |
| 1/5/2018      | 02:53:22  | -0.003   | 52.74            | 8.26     | 0                | 0            | 0               | 0           |
| 1/5/2018      | 03:23:22  | 0.01     | 53.06            | 8.18     | 0                | 0.001        | 0.787           | 0.028316847 |
| 1/5/2018      | 03:53:22  | -0.002   | 53.37            | 8.27     | 0                | 0            | 0               | 0           |
| 1/5/2018      | 04:23:22  | 0.002    | 53.78            | 8.22     | 0                | 0            | 0.269           | 0           |
| 1/5/2018      | 04:53:22  | 0.005    | 54.46            | 8.25     | 0                | 0            | 0.496           | 0           |
| 1/5/2018      | 05:23:22  | -0.004   | 55.14            | 8.19     | 0                | 0            | 0               | 0           |
| 1/5/2018      | 05:53:22  | 0.008    | 55.63            | 7.97     | 0                | 0.001        | 0.678           | 0.028316847 |
| 1/5/2018      | 06:23:22  | -0.001   | 55.77            | 7.48     | 0                | 0            | 0               | 0           |
| 1/5/2018      | 06:53:22  | 0.002    | 55.63            | 6.66     | 0                | 0            | 0.269           | 0           |
| 1/5/2018      | 07:23:22  | -0.006   | 55.36            | 6        | 0                | 0            | 0               | 0           |
| 1/5/2018      | 07:53:22  | 0        | 55.32            | 5.55     | 0                | 0            | 0               | 0           |
| 1/5/2018      | 08:23:22  | 0.003    | 55.27            | 5.41     | 0                | 0            | 0.353           | 0           |
| 1/5/2018      | 08:53:22  | -0.003   | 55.09            | 5.42     | 0                | 0            | 0               | 0           |
| 1/5/2018      | 09:23:22  | -0.008   | 55               | 5.4      | 0                | 0            | 0               | 0           |
| 1/5/2018      | 09:53:22  | -0.003   | 54.82            | 5.48     | 0                | 0            | 0               | 0           |
| 1/5/2018      | 10:23:22  | -0.001   | 54.68            | 5.52     | 0                | 0            | 0               | 0           |
| 1/5/2018      | 10:53:22  | -0.003   | 54.46            | 5.45     | 0                | 0            | 0               | 0           |
| 1/5/2018      | 11:23:22  | 0.003    | 54.28            | 5.34     | 0                | 0            | 0.353           | 0           |
| 1/5/2018      | 11:53:22  | 0.004    | 54.1             | 5.4      | 0                | 0            | 0.427           | 0           |
| 1/5/2018      | 12:23:22  | 0.002    | 53.87            | 5.36     | 0                | 0            | 0.269           | 0           |
| 1/5/2018      | 12:53:22  | -0.001   | 53.69            | 5.39     | 0                | 0            | 0               | 0           |
| 1/5/2018      | 13:23:22  | 0        | 53.51            | 5.36     | 0                | 0            | 0               | 0           |
| 1/5/2018      | 13:53:22  | 0.014    | 53.33            | 5.28     | 0                | 0.003        | 0.984           | 0.084950541 |
| 1/5/2018      | 14:23:22  | 0.023    | 53.15            | 5.26     | 0                | 0.008        | 1.368           | 0.226534776 |
| 1/5/2018      | 14:53:22  | 0.024    | 53.01            | 5.31     | 0                | 0.009        | 1.407           | 0.254851623 |
| 1/5/2018      | 15:23:22  | 0.019    | 52.88            | 5.34     | 0                | 0.005        | 1.205           | 0.141584235 |
| 1/5/2018      | 15:53:22  | 0.013    | 52.79            | 5.36     | 0                | 0.002        | 0.937           | 0.056633694 |
| 1/5/2018      | 16:23:22  | 0.022    | 52.65            | 5.44     | 0                | 0.007        | 1.328           | 0.198217929 |
| 1/5/2018      | 16:53:22  | 0.026    | 52.56            | 5.45     | 0                | 0.01         | 1.484           | 0.28316847  |
| 1/5/2018      | 17:23:22  | 0.024    | 52.51            | 5.48     | 0                | 0.009        | 1.407           | 0.254851623 |
| 1/5/2018      | 17:53:22  | 0.029    | 52.42            | 5.51     | 0                | 0.013        | 1.595           | 0.368119011 |
| 1/5/2018      | 18:23:22  | 0.037    | 52.38            | 5.48     | 0                | 0.023        | 1.907           | 0.651287481 |
| 1/5/2018      | 18:53:22  | 0.035    | 52.29            | 5.44     | 0                | 0.021        | 1.84            | 0.594653787 |
| 1/5/2018      | 19:23:22  | 0.055    | 52.24            | 5.37     | 0                | 0.054        | 2.461           | 1.529109738 |
| 1/5/2018      | 19:53:22  | 0.06     | 52.2             | 5.36     | 0                | 0.065        | 2.603           | 1.840595055 |
| 1/5/2018      | 20:23:22  | 0.071    | 52.15            | 5.38     | 0                | 0.092        | 2.901           | 2.605149924 |
| 1/5/2018      | 20:53:22  | 0.097    | 52.11            | 5.23     | 0                | 0.178        | 3.545           | 5.040398766 |
| 1/5/2018      | 21:23:22  | 0.113    | 52.06            | 5.12     | 0                | 0.251        | 3.932           | 7.107528597 |
| 1/5/2018      | 21:53:22  | 0.184    | 52.02            | 4.81     | 0                | 0.699        | 5.36            | 19.79347605 |
| 1/5/2018      | 22:23:22  | 0.193    | 52.15            | 4.53     | 0                | 0.771        | 5.521           | 21.83228904 |
| 1/5/2018      | 22:53:22  | 0.151    | 55.5             | 4.19     | 0                | 0.458        | 4.721           | 12.96911593 |
| 1/5/2018      | 23:23:22  | 0.113    | 57.35            | 4.09     | 0                | 0.251        | 3.932           | 7.107528597 |
| 1/5/2018      | 23:53:22  | 0.164    | 55.77            | 3.99     | 0                | 0.551        | 4.991           | 15.6025827  |
| 2/5/2018      | 00:23:22  | 0.187    | 53.33            | 4.19     | 0                | 0.722        | 5.414           | 20.44476353 |
| 2/5/2018      | 00:53:22  | 0.193    | 52.06            | 4.58     | 0                | 0.771        | 5.521           | 21.83228904 |
| 2/5/2018      | 01:23:22  | 0.25     | 52.02            | 5.45     | 0                | 1.32         | 6.485           | 37.37823804 |
| 2/5/2018      | 01:53:22  | 0.235    | 52.11            | 5.58     | 0                | 1.164        | 6.246           | 32.96080991 |
| 2/5/2018      | 02:23:22  | 0.253    | 52.29            | 6.19     | 0                | 1.353        | 6.531           | 38.31269399 |
| 2/5/2018      | 02:53:22  | 0.248    | 52.38            | 6.81     | 0                | 1.299        | 6.453           | 36.78358425 |
| 2/5/2018      | 03:23:22  | 0.241    | 52.56            | 7.24     | 0                | 1.226        | 6.342           | 34.71645442 |
| 2/5/2018      | 03:53:22  | 0.244    | 52.7             | 7.57     | 0                | 1.257        | 6.39            | 35.59427668 |
| 2/5/2018      | 04:23:22  | 0.25     | 52.92            | 7.83     | 0                | 1.32         | 6.485           | 37.37823804 |
| 2/5/2018      | 04:53:22  | 0.237    | 53.06            | 7.49     | 0                | 1.185        | 6.278           | 33.5554637  |
| 2/5/2018      | 05:23:22  | 0.292    | 53.33            | 7.12     | 0                | 1.808        | 7.118           | 51.19685938 |
| 2/5/2018      | 05:53:22  | 0.252    | 53.42            | 7.21     | 0                | 1.342        | 6.516           | 38.00120867 |
| 2/5/2018      | 06:23:22  | 0.284    | 53.83            | 7.06     | 0                | 1.709        | 7.001           | 48.39349152 |
| 2/5/2018      | 06:53:22  | 0.256    | 53.96            | 7.05     | 0                | 1.385        | 6.578           | 39.2188331  |
| 2/5/2018      | 07:23:22  | 0.264    | 54.32            | 11.44    | 0                | 1.475        | 6.701           | 41.76734933 |
| 2/5/2018      | 07:53:22  | 0.28     | 54.28            | 10.56    | 0                | 1.661        | 6.942           | 47.03428287 |
| 2/5/2018      | 08:23:22  | 0.196    | 54.37            | 10.18    | 0                | 0.796        | 5.573           | 22.54021021 |
| 2/5/2018      | 08:53:22  | 0.283    | 54.82            | 9.68     | 0                | 1.697        | 6.986           | 48.05368936 |
| 2/5/2018      | 09:23:22  | 0.262    | 55.05            | 9.23     | 0                | 1.452        | 6.671           | 41.11606184 |
| 2/5/2018      | 09:53:22  | 0.298    | 54.77            | 8.57     | 0                | 1.896        | 7.219           | 53.68874191 |
| 2/5/2018      | 10:23:22  | 0.288    | 55               | 7.77     | 0                | 1.758        | 7.06            | 49.78101703 |
| 2/5/2018      | 10:53:22  | 0.208    | 54.95            | 7.18     | 0                | 0.899        | 5.781           | 25.45684545 |
| 2/5/2018      | 11:23:22  | 0.186    | 55.23            | 6.45     | 0                | 0.714        | 5.396           | 20.21822876 |
| 2/5/2018      | 11:53:22  | 0.253    | 55.05            | 5.79     | 0                | 1.353        | 6.531           | 38.31269399 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 2/5/2018      | 12:23:22  | 0.221    | 54.86            | 5.36     | 0                | 1.018        | 6               | 28.82655025 |
| 2/5/2018      | 12:53:22  | 0.224    | 54.91            | 4.59     | 0                | 1.046        | 6.05            | 29.61942196 |
| 2/5/2018      | 13:23:22  | -0.082   | 72.71            | 3.73     | 0                | 0            | 0               | 0           |
| 2/5/2018      | 13:53:22  | -0.37    | 87.04            | 2.42     | 0                | 0            | 0               | 0           |
| 2/5/2018      | 14:23:22  | -0.402   | 84.51            | 2.33     | 0                | 0            | 0               | 0           |
| 2/5/2018      | 14:53:22  | -0.416   | 82.61            | 2.28     | 0                | 0            | 0               | 0           |
| 2/5/2018      | 15:23:22  | -0.424   | 81.3             | 2.23     | 0                | 0            | 0               | 0           |
| 2/5/2018      | 15:53:26  | 0.078    | 53.92            | 5.53     | 0                | 0.113        | 3.082           | 3.199803711 |
| 2/5/2018      | 16:23:26  | -0.417   | 82.97            | 2.28     | 0                | 0            | 0               | 0           |
| 2/5/2018      | 16:53:26  | -0.426   | 80.94            | 2.22     | 0                | 0            | 0               | 0           |
| 2/5/2018      | 17:23:26  | -0.422   | 80.62            | 2.21     | 0                | 0            | 0               | 0           |
| 2/5/2018      | 17:53:26  | -0.422   | 80.39            | 2.2      | 0                | 0            | 0               | 0           |
| 2/5/2018      | 18:23:26  | -0.426   | 80.35            | 2.2      | 0                | 0            | 0               | 0           |
| 2/5/2018      | 18:53:30  | -0.304   | 92.41            | 2.6      | 0                | 0            | 0               | 0           |
| 2/5/2018      | 19:23:30  | -0.406   | 84.87            | 2.35     | 0                | 0            | 0               | 0           |
| 2/5/2018      | 19:53:30  | -0.414   | 82.79            | 2.28     | 0                | 0            | 0               | 0           |
| 2/5/2018      | 20:23:30  | -0.421   | 81.25            | 2.23     | 0                | 0            | 0               | 0           |
| 2/5/2018      | 20:53:34  | -0.32    | 89.03            | 2.5      | 0                | 0            | 0               | 0           |
| 2/5/2018      | 21:23:34  | -0.424   | 80.44            | 2.2      | 0                | 0            | 0               | 0           |
| 2/5/2018      | 21:53:38  | -0.325   | 85.82            | 2.4      | 0                | 0            | 0               | 0           |
| 2/5/2018      | 22:23:38  | -0.426   | 80.12            | 2.19     | 0                | 0            | 0               | 0           |
| 2/5/2018      | 22:53:42  | -0.348   | 83.47            | 2.33     | 0                | 0            | 0               | 0           |
| 2/5/2018      | 23:23:46  | -0.346   | 85.41            | 2.38     | 0                | 0            | 0               | 0           |
| 2/5/2018      | 23:53:46  | -0.405   | 82.43            | 2.27     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 00:23:46  | -0.394   | 85.23            | 2.36     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 00:53:46  | 0.035    | 51.88            | 5.02     | 0                | 0.021        | 1.84            | 0.594653787 |
| 3/5/2018      | 01:23:46  | 0.045    | 51.97            | 6.02     | 0                | 0.035        | 2.162           | 0.991089645 |
| 3/5/2018      | 01:53:46  | 0.037    | 52.11            | 6.72     | 0                | 0.023        | 1.907           | 0.651287481 |
| 3/5/2018      | 02:23:46  | 0.033    | 52.2             | 7.61     | 0                | 0.018        | 1.772           | 0.509703246 |
| 3/5/2018      | 02:53:46  | 0.047    | 52.33            | 7.37     | 0                | 0.039        | 2.224           | 1.104357033 |
| 3/5/2018      | 03:23:46  | 0.056    | 52.42            | 7.22     | 0                | 0.056        | 2.49            | 1.585743432 |
| 3/5/2018      | 03:53:46  | 0.039    | 53.06            | 7.25     | 0                | 0.026        | 1.972           | 0.736238022 |
| 3/5/2018      | 04:23:46  | 0.05     | 53.46            | 7.03     | 0                | 0.044        | 2.314           | 1.245941268 |
| 3/5/2018      | 04:53:46  | 0.051    | 53.96            | 7.41     | 0                | 0.046        | 2.344           | 1.302574962 |
| 3/5/2018      | 05:23:46  | 0.049    | 54.14            | 7.25     | 0                | 0.042        | 2.284           | 1.189307574 |
| 3/5/2018      | 05:53:46  | 0.065    | 54.28            | 6.66     | 0                | 0.077        | 2.741           | 2.180397219 |
| 3/5/2018      | 06:23:46  | 0.04     | 54.32            | 6.19     | 0                | 0.028        | 2.005           | 0.792871716 |
| 3/5/2018      | 06:53:46  | 0.054    | 54.59            | 5.96     | 0                | 0.052        | 2.432           | 1.472476044 |
| 3/5/2018      | 07:23:46  | 0.047    | 54.82            | 5.97     | 0                | 0.039        | 2.224           | 1.104357033 |
| 3/5/2018      | 07:53:46  | 0.058    | 55.05            | 5.99     | 0                | 0.06         | 2.547           | 1.69901082  |
| 3/5/2018      | 08:23:46  | 0.042    | 55               | 5.58     | 0                | 0.031        | 2.068           | 0.877822257 |
| 3/5/2018      | 08:53:46  | 0.062    | 54.95            | 5.05     | 0                | 0.069        | 2.658           | 1.953862443 |
| 3/5/2018      | 09:23:46  | -0.089   | 74.48            | 3.77     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 09:53:46  | -0.348   | 91.87            | 2.58     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 10:23:46  | -0.357   | 89.61            | 2.51     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 10:53:46  | -0.355   | 89.57            | 2.51     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 11:23:46  | -0.352   | 90.02            | 2.52     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 11:53:46  | -0.351   | 90.15            | 2.52     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 12:23:46  | -0.355   | 89.43            | 2.5      | 0                | 0            | 0               | 0           |
| 3/5/2018      | 12:53:46  | -0.367   | 87.62            | 2.44     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 13:23:46  | -0.365   | 86.4             | 2.4      | 0                | 0            | 0               | 0           |
| 3/5/2018      | 13:53:46  | -0.38    | 85.37            | 2.37     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 14:23:46  | -0.379   | 85.18            | 2.36     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 14:53:46  | -0.382   | 84.96            | 2.36     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 15:23:46  | -0.381   | 85.09            | 2.36     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 15:53:46  | -0.382   | 85.59            | 2.38     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 16:23:46  | -0.381   | 86.09            | 2.39     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 16:53:46  | -0.385   | 86.04            | 2.39     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 17:23:46  | -0.388   | 85.41            | 2.36     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 17:53:46  | -0.391   | 84.64            | 2.35     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 18:23:46  | -0.398   | 83.83            | 2.31     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 18:53:46  | -0.399   | 83.33            | 2.3      | 0                | 0            | 0               | 0           |
| 3/5/2018      | 19:23:46  | -0.401   | 83.15            | 2.3      | 0                | 0            | 0               | 0           |
| 3/5/2018      | 19:53:46  | -0.401   | 83.11            | 2.29     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 20:23:46  | -0.401   | 82.74            | 2.28     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 20:53:46  | -0.402   | 82.47            | 2.27     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 21:23:46  | -0.403   | 81.98            | 2.26     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 21:53:46  | -0.397   | 82.61            | 2.28     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 22:23:46  | -0.399   | 82.61            | 2.28     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 22:53:46  | -0.405   | 81.84            | 2.25     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 23:23:46  | -0.404   | 81.84            | 2.25     | 0                | 0            | 0               | 0           |
| 3/5/2018      | 23:53:46  | -0.398   | 82.56            | 2.28     | 0                | 0            | 0               | 0           |



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 4/5/2018      | 00:23:46  | -0.386   | 83.33            | 2.3      | 0                | 0            | 0               | 0           |
| 4/5/2018      | 00:53:46  | -0.371   | 86.04            | 2.39     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 01:23:46  | -0.357   | 91.01            | 2.55     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 01:53:46  | 0.065    | 53.46            | 4.76     | 0                | 0.077        | 2.741           | 2.180397219 |
| 4/5/2018      | 02:23:46  | 0.049    | 53.6             | 4.88     | 0                | 0.042        | 2.284           | 1.189307574 |
| 4/5/2018      | 02:53:46  | 0.056    | 53.73            | 4.91     | 0                | 0.056        | 2.49            | 1.585743432 |
| 4/5/2018      | 03:23:46  | 0.054    | 53.87            | 4.91     | 0                | 0.052        | 2.432           | 1.472476044 |
| 4/5/2018      | 03:53:46  | 0.056    | 54.01            | 4.88     | 0                | 0.056        | 2.49            | 1.585743432 |
| 4/5/2018      | 04:23:46  | 0.089    | 54.1             | 4.8      | 0                | 0.149        | 3.355           | 4.219210203 |
| 4/5/2018      | 04:53:46  | 0.057    | 54.32            | 5.07     | 0                | 0.058        | 2.518           | 1.642377126 |
| 4/5/2018      | 05:23:46  | 0.067    | 54.46            | 5.05     | 0                | 0.082        | 2.795           | 2.321981454 |
| 4/5/2018      | 05:53:46  | -0.276   | 91.06            | 2.87     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 06:23:46  | -0.34    | 92.19            | 2.59     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 06:53:46  | 0.053    | 55.68            | 4.8      | 0                | 0.05         | 2.403           | 1.41584235  |
| 4/5/2018      | 07:23:46  | 0.057    | 54.95            | 4.87     | 0                | 0.058        | 2.518           | 1.642377126 |
| 4/5/2018      | 07:53:46  | -0.306   | 92.19            | 2.76     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 08:23:46  | -0.138   | 81.57            | 3.48     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 08:53:46  | 0.048    | 55.59            | 5.02     | 0                | 0.04         | 2.254           | 1.13267388  |
| 4/5/2018      | 09:23:46  | 0.037    | 55.95            | 5.45     | 0                | 0.023        | 1.907           | 0.651287481 |
| 4/5/2018      | 09:53:46  | 0.057    | 56.22            | 5.64     | 0                | 0.058        | 2.518           | 1.642377126 |
| 4/5/2018      | 10:23:46  | 0.057    | 56.45            | 5.58     | 0                | 0.058        | 2.518           | 1.642377126 |
| 4/5/2018      | 10:53:46  | 0.066    | 56.58            | 5.2      | 0                | 0.079        | 2.768           | 2.237030913 |
| 4/5/2018      | 11:23:46  | -0.138   | 84.96            | 3.42     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 11:53:46  | -0.346   | 90.56            | 2.54     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 12:23:46  | -0.37    | 86.04            | 2.39     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 12:53:46  | -0.393   | 82.65            | 2.28     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 13:23:46  | -0.395   | 80.49            | 2.22     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 13:53:46  | -0.41    | 79.63            | 2.19     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 14:23:50  | 0.039    | 56.04            | 5.37     | 0                | 0.026        | 1.972           | 0.736238022 |
| 4/5/2018      | 14:53:50  | -0.381   | 84.55            | 2.35     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 15:23:50  | -0.4     | 81.21            | 2.24     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 15:53:50  | -0.414   | 79.4             | 2.18     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 16:23:50  | -0.414   | 79.4             | 2.18     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 16:53:50  | -0.413   | 79.72            | 2.19     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 17:23:50  | -0.414   | 79.81            | 2.19     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 17:53:50  | -0.412   | 79.94            | 2.2      | 0                | 0            | 0               | 0           |
| 4/5/2018      | 18:23:54  | -0.303   | 93.14            | 2.63     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 18:53:54  | -0.409   | 80.85            | 2.22     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 19:23:58  | -0.327   | 85.77            | 2.4      | 0                | 0            | 0               | 0           |
| 4/5/2018      | 19:54:02  | -0.335   | 85.91            | 2.4      | 0                | 0            | 0               | 0           |
| 4/5/2018      | 20:24:02  | -0.403   | 82.34            | 2.27     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 20:54:02  | -0.401   | 82.74            | 2.28     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 21:24:02  | -0.398   | 83.65            | 2.31     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 21:54:02  | -0.396   | 83.92            | 2.32     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 22:24:02  | -0.399   | 83.15            | 2.3      | 0                | 0            | 0               | 0           |
| 4/5/2018      | 22:54:02  | -0.398   | 82.88            | 2.28     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 23:24:02  | -0.401   | 82.02            | 2.26     | 0                | 0            | 0               | 0           |
| 4/5/2018      | 23:54:02  | -0.402   | 81.48            | 2.25     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 00:24:02  | -0.402   | 81.21            | 2.23     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 00:54:02  | -0.402   | 80.94            | 2.23     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 01:24:02  | -0.399   | 81.39            | 2.24     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 01:54:02  | -0.394   | 82.47            | 2.28     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 02:24:02  | -0.384   | 84.1             | 2.33     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 02:54:02  | -0.376   | 85.5             | 2.37     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 03:24:02  | -0.363   | 86.59            | 2.41     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 03:54:02  | -0.354   | 89.21            | 2.49     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 04:24:02  | -0.186   | 86.63            | 3.21     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 04:54:02  | 0.038    | 54.46            | 5.5      | 0                | 0.025        | 1.939           | 0.707921175 |
| 5/5/2018      | 05:24:02  | 0.039    | 54.86            | 6.28     | 0                | 0.026        | 1.972           | 0.736238022 |
| 5/5/2018      | 05:54:02  | 0.043    | 55.45            | 7.33     | 0                | 0.032        | 2.1             | 0.906139104 |
| 5/5/2018      | 06:24:02  | 0.053    | 56.08            | 8.25     | 0                | 0.05         | 2.403           | 1.41584235  |
| 5/5/2018      | 06:54:02  | 0.04     | 56.72            | 8.73     | 0                | 0.028        | 2.005           | 0.792871716 |
| 5/5/2018      | 07:24:02  | 0.054    | 57.26            | 8.51     | 0                | 0.052        | 2.432           | 1.472476044 |
| 5/5/2018      | 07:54:02  | 0.063    | 58.12            | 7.99     | 0                | 0.072        | 2.686           | 2.038812984 |
| 5/5/2018      | 08:24:02  | 0.053    | 58.66            | 7.72     | 0                | 0.05         | 2.403           | 1.41584235  |
| 5/5/2018      | 08:54:02  | 0.062    | 59.11            | 7.55     | 0                | 0.069        | 2.658           | 1.953862443 |
| 5/5/2018      | 09:24:02  | 0.05     | 59.65            | 7.6      | 0                | 0.044        | 2.314           | 1.245941268 |
| 5/5/2018      | 09:54:02  | 0.041    | 59.79            | 7.07     | 0                | 0.029        | 2.037           | 0.821188563 |
| 5/5/2018      | 10:24:02  | 0.046    | 59.97            | 6.24     | 0                | 0.037        | 2.193           | 1.047723339 |
| 5/5/2018      | 10:54:02  | 0.04     | 60.11            | 5.41     | 0                | 0.028        | 2.005           | 0.792871716 |
| 5/5/2018      | 11:24:02  | -0.319   | 94.81            | 2.68     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 11:54:02  | -0.346   | 89.61            | 2.51     | 0                | 0            | 0               | 0           |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 5/5/2018      | 12:24:02  | -0.374   | 85.73            | 2.38     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 12:54:02  | -0.411   | 80.49            | 2.21     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 13:24:06  | -0.294   | 96.48            | 2.74     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 13:54:06  | -0.412   | 80.3             | 2.2      | 0                | 0            | 0               | 0           |
| 5/5/2018      | 14:24:10  | -0.317   | 90.34            | 2.54     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 14:54:10  | -0.407   | 82.16            | 2.27     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 15:24:10  | -0.414   | 80.58            | 2.22     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 15:54:10  | -0.418   | 79.9             | 2.19     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 16:24:14  | -0.319   | 90.06            | 2.53     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 16:54:14  | -0.4     | 83.24            | 2.3      | 0                | 0            | 0               | 0           |
| 5/5/2018      | 17:24:14  | -0.406   | 80.49            | 2.22     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 17:54:18  | -0.327   | 89.12            | 2.5      | 0                | 0            | 0               | 0           |
| 5/5/2018      | 18:24:18  | -0.408   | 81.84            | 2.25     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 18:54:22  | -0.331   | 88.08            | 2.47     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 19:24:22  | -0.411   | 80.98            | 2.23     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 19:54:26  | -0.341   | 85.68            | 2.39     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 20:24:30  | -0.327   | 87.49            | 2.45     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 20:54:30  | -0.408   | 80.85            | 2.22     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 21:24:34  | -0.332   | 86.31            | 2.42     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 21:54:34  | -0.409   | 80.17            | 2.2      | 0                | 0            | 0               | 0           |
| 5/5/2018      | 22:24:38  | -0.34    | 83.65            | 2.33     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 22:54:42  | -0.338   | 84.33            | 2.36     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 23:24:46  | -0.345   | 83.74            | 2.33     | 0                | 0            | 0               | 0           |
| 5/5/2018      | 23:54:46  | -0.411   | 80.49            | 2.21     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 00:24:46  | -0.412   | 80.39            | 2.2      | 0                | 0            | 0               | 0           |
| 6/5/2018      | 00:54:46  | -0.389   | 85.27            | 2.36     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 01:24:46  | 0.032    | 55.36            | 5.99     | 0                | 0.016        | 1.702           | 0.453069552 |
| 6/5/2018      | 01:54:46  | 0.034    | 55.81            | 7.61     | 0                | 0.02         | 1.806           | 0.56633694  |
| 6/5/2018      | 02:24:46  | 0.035    | 56.31            | 8.82     | 0                | 0.021        | 1.84            | 0.594653787 |
| 6/5/2018      | 02:54:46  | 0.036    | 56.85            | 9.85     | 0                | 0.022        | 1.873           | 0.622970634 |
| 6/5/2018      | 03:24:46  | 0.029    | 57.49            | 10.62    | 0                | 0.013        | 1.595           | 0.368119011 |
| 6/5/2018      | 03:54:46  | 0.022    | 58.12            | 11.02    | 0                | 0.007        | 1.328           | 0.198217929 |
| 6/5/2018      | 04:24:46  | 0.035    | 58.84            | 11.25    | 0                | 0.021        | 1.84            | 0.594653787 |
| 6/5/2018      | 04:54:46  | 0.029    | 59.25            | 11.22    | 0                | 0.013        | 1.595           | 0.368119011 |
| 6/5/2018      | 05:24:46  | 0.029    | 60.24            | 11.07    | 0                | 0.013        | 1.595           | 0.368119011 |
| 6/5/2018      | 05:54:46  | 0.048    | 61.01            | 10.95    | 0                | 0.04         | 2.254           | 1.13267388  |
| 6/5/2018      | 06:24:46  | 0.045    | 61.69            | 10.77    | 0                | 0.035        | 2.162           | 0.991089645 |
| 6/5/2018      | 06:54:46  | 0.027    | 62.64            | 10.47    | 0                | 0.011        | 1.521           | 0.311485317 |
| 6/5/2018      | 07:24:46  | 0.035    | 63.18            | 10.13    | 0                | 0.021        | 1.84            | 0.594653787 |
| 6/5/2018      | 07:54:46  | 0.032    | 63.77            | 9.81     | 0                | 0.016        | 1.702           | 0.453069552 |
| 6/5/2018      | 08:24:46  | 0.034    | 64.04            | 9.57     | 0                | 0.02         | 1.806           | 0.56633694  |
| 6/5/2018      | 08:54:46  | 0.028    | 64.49            | 9.42     | 0                | 0.012        | 1.558           | 0.339802164 |
| 6/5/2018      | 09:24:46  | 0.039    | 64.94            | 9.09     | 0                | 0.026        | 1.972           | 0.736238022 |
| 6/5/2018      | 09:54:46  | 0.033    | 64.99            | 8.52     | 0                | 0.017        | 1.737           | 0.481386399 |
| 6/5/2018      | 10:24:46  | 0.038    | 65.08            | 7.71     | 0                | 0.025        | 1.939           | 0.707921175 |
| 6/5/2018      | 10:54:46  | 0.036    | 65.17            | 6.95     | 0                | 0.022        | 1.873           | 0.622970634 |
| 6/5/2018      | 11:24:46  | 0.043    | 64.94            | 6.22     | 0                | 0.032        | 2.1             | 0.906139104 |
| 6/5/2018      | 11:54:46  | 0.031    | 64.76            | 5.77     | 0                | 0.015        | 1.667           | 0.424752705 |
| 6/5/2018      | 12:24:46  | 0.038    | 64.49            | 5.41     | 0                | 0.025        | 1.939           | 0.707921175 |
| 6/5/2018      | 12:54:46  | -0.317   | 97.38            | 2.76     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 13:24:46  | -0.355   | 89.66            | 2.51     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 13:54:46  | -0.391   | 83.87            | 2.32     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 14:24:46  | -0.414   | 80.62            | 2.22     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 14:54:50  | 0.033    | 62               | 5.6      | 0                | 0.018        | 1.772           | 0.509703246 |
| 6/5/2018      | 15:24:50  | -0.416   | 80.17            | 2.2      | 0                | 0            | 0               | 0           |
| 6/5/2018      | 15:54:54  | -0.298   | 96.75            | 2.75     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 16:24:58  | -0.303   | 96.21            | 2.73     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 16:54:58  | -0.422   | 79.94            | 2.19     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 17:25:02  | -0.316   | 90.34            | 2.54     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 17:55:06  | -0.324   | 89.12            | 2.51     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 18:25:10  | -0.339   | 87.4             | 2.44     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 18:55:14  | -0.345   | 86.18            | 2.41     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 19:25:18  | -0.338   | 85.59            | 2.39     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 19:55:22  | -0.351   | 84.73            | 2.36     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 20:25:26  | -0.355   | 83.69            | 2.33     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 20:55:30  | -0.345   | 84.19            | 2.35     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 21:25:34  | -0.34    | 85.18            | 2.38     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 21:55:38  | -0.35    | 85.46            | 2.38     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 22:25:42  | -0.345   | 84.24            | 2.35     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 22:55:46  | -0.342   | 84.15            | 2.35     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 23:25:50  | -0.339   | 85.27            | 2.38     | 0                | 0            | 0               | 0           |
| 6/5/2018      | 23:55:50  | -0.404   | 81.66            | 2.25     | 0                | 0            | 0               | 0           |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 7/5/2018      | 00:25:50  | -0.399   | 83.38            | 2.3      | 0                | 0            | 0               | 0           |
| 7/5/2018      | 00:55:50  | -0.372   | 89.21            | 2.49     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 01:25:50  | 0.054    | 56.63            | 5.71     | 0                | 0.052        | 2.432           | 1.472476044 |
| 7/5/2018      | 01:55:50  | 0.052    | 56.99            | 7.29     | 0                | 0.048        | 2.373           | 1.359208656 |
| 7/5/2018      | 02:25:50  | 0.056    | 57.44            | 8.49     | 0                | 0.056        | 2.49            | 1.585743432 |
| 7/5/2018      | 02:55:50  | 0.062    | 57.98            | 9.38     | 0                | 0.069        | 2.658           | 1.953862443 |
| 7/5/2018      | 03:25:50  | 0.055    | 58.57            | 10.4     | 0                | 0.054        | 2.461           | 1.529109738 |
| 7/5/2018      | 03:55:50  | 0.055    | 59.25            | 11.1     | 0                | 0.054        | 2.461           | 1.529109738 |
| 7/5/2018      | 04:25:50  | 0.059    | 60.06            | 11.42    | 0                | 0.062        | 2.575           | 1.755644514 |
| 7/5/2018      | 04:55:50  | 0.06     | 60.74            | 11.57    | 0                | 0.065        | 2.603           | 1.840595055 |
| 7/5/2018      | 05:25:50  | 0.061    | 61.33            | 11.39    | 0                | 0.067        | 2.631           | 1.897228749 |
| 7/5/2018      | 05:55:50  | 0.062    | 61.96            | 11.07    | 0                | 0.069        | 2.658           | 1.953862443 |
| 7/5/2018      | 06:25:50  | 0.062    | 62.86            | 10.77    | 0                | 0.069        | 2.658           | 1.953862443 |
| 7/5/2018      | 06:55:50  | 0.07     | 63.59            | 10.39    | 0                | 0.09         | 2.875           | 2.54851623  |
| 7/5/2018      | 07:25:50  | 0.062    | 63.9             | 10.01    | 0                | 0.069        | 2.658           | 1.953862443 |
| 7/5/2018      | 07:55:50  | 0.06     | 64.35            | 9.58     | 0                | 0.065        | 2.603           | 1.840595055 |
| 7/5/2018      | 08:25:50  | 0.062    | 64.81            | 9.2      | 0                | 0.069        | 2.658           | 1.953862443 |
| 7/5/2018      | 08:55:50  | 0.065    | 65.21            | 8.75     | 0                | 0.077        | 2.741           | 2.180397219 |
| 7/5/2018      | 09:25:50  | 0.068    | 65.57            | 8.48     | 0                | 0.084        | 2.821           | 2.378615148 |
| 7/5/2018      | 09:55:50  | 0.063    | 65.62            | 8        | 0                | 0.072        | 2.686           | 2.038812984 |
| 7/5/2018      | 10:25:50  | 0.053    | 65.66            | 7.2      | 0                | 0.05         | 2.403           | 1.41584235  |
| 7/5/2018      | 10:55:50  | 0.051    | 65.57            | 6.42     | 0                | 0.046        | 2.344           | 1.302574962 |
| 7/5/2018      | 11:25:50  | 0.059    | 65.21            | 5.76     | 0                | 0.062        | 2.575           | 1.755644514 |
| 7/5/2018      | 11:55:50  | 0.062    | 64.81            | 5.17     | 0                | 0.069        | 2.658           | 1.953862443 |
| 7/5/2018      | 12:25:50  | -0.314   | 96.3             | 2.73     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 12:55:50  | -0.34    | 90.25            | 2.53     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 13:25:50  | -0.367   | 85.73            | 2.38     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 13:55:50  | -0.379   | 83.83            | 2.32     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 14:25:50  | -0.383   | 83.2             | 2.3      | 0                | 0            | 0               | 0           |
| 7/5/2018      | 14:55:50  | -0.382   | 83.29            | 2.31     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 15:25:50  | -0.375   | 83.29            | 2.31     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 15:55:50  | -0.382   | 83.15            | 2.3      | 0                | 0            | 0               | 0           |
| 7/5/2018      | 16:25:50  | -0.373   | 83.15            | 2.3      | 0                | 0            | 0               | 0           |
| 7/5/2018      | 16:55:50  | -0.378   | 83.47            | 2.31     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 17:25:50  | -0.377   | 83.56            | 2.31     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 17:55:50  | -0.378   | 83.33            | 2.31     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 18:25:50  | -0.371   | 82.47            | 2.28     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 18:55:50  | -0.381   | 81.84            | 2.27     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 19:25:50  | -0.379   | 81.93            | 2.27     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 19:55:50  | -0.385   | 81.07            | 2.24     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 20:25:50  | -0.386   | 80.89            | 2.23     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 20:55:50  | -0.387   | 80.53            | 2.22     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 21:25:50  | -0.387   | 80.44            | 2.22     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 21:55:50  | -0.387   | 80.44            | 2.22     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 22:25:50  | -0.387   | 80.44            | 2.22     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 22:55:50  | -0.387   | 80.21            | 2.22     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 23:25:50  | -0.386   | 80.26            | 2.22     | 0                | 0            | 0               | 0           |
| 7/5/2018      | 23:55:50  | -0.38    | 80.98            | 2.23     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 00:25:50  | -0.372   | 82.16            | 2.28     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 00:55:50  | -0.364   | 83.33            | 2.31     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 01:25:50  | -0.354   | 85.14            | 2.37     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 01:55:50  | -0.342   | 86.09            | 2.4      | 0                | 0            | 0               | 0           |
| 8/5/2018      | 02:25:50  | -0.348   | 84.82            | 2.36     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 02:55:50  | -0.353   | 83.6             | 2.33     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 03:25:50  | -0.36    | 83.2             | 2.31     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 03:55:50  | -0.359   | 82.25            | 2.28     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 04:25:50  | -0.368   | 81.71            | 2.27     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 04:55:50  | -0.365   | 82.11            | 2.28     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 05:25:50  | -0.36    | 82.74            | 2.3      | 0                | 0            | 0               | 0           |
| 8/5/2018      | 05:55:50  | -0.328   | 89.34            | 2.51     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 06:25:50  | 0.056    | 58.57            | 5.36     | 0                | 0.056        | 2.49            | 1.585743432 |
| 8/5/2018      | 06:55:50  | 0.063    | 58.93            | 6.17     | 0                | 0.072        | 2.686           | 2.038812984 |
| 8/5/2018      | 07:25:50  | 0.059    | 59.25            | 6.57     | 0                | 0.062        | 2.575           | 1.755644514 |
| 8/5/2018      | 07:55:50  | 0.062    | 59.52            | 6.43     | 0                | 0.069        | 2.658           | 1.953862443 |
| 8/5/2018      | 08:25:50  | 0.057    | 59.93            | 6.41     | 0                | 0.058        | 2.518           | 1.642377126 |
| 8/5/2018      | 08:55:50  | 0.06     | 60.42            | 6.43     | 0                | 0.065        | 2.603           | 1.840595055 |
| 8/5/2018      | 09:25:50  | 0.062    | 60.74            | 6.25     | 0                | 0.069        | 2.658           | 1.953862443 |
| 8/5/2018      | 09:55:50  | 0.067    | 60.92            | 5.85     | 0                | 0.082        | 2.795           | 2.321981454 |
| 8/5/2018      | 10:25:50  | 0.062    | 61.19            | 5.24     | 0                | 0.069        | 2.658           | 1.953862443 |
| 8/5/2018      | 10:55:50  | -0.304   | 95.98            | 2.72     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 11:25:50  | -0.319   | 90.83            | 2.55     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 11:55:50  | -0.332   | 87.85            | 2.46     | 0                | 0            | 0               | 0           |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 8/5/2018      | 12:25:50  | -0.355   | 83.24            | 2.31     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 12:55:50  | -0.364   | 81.57            | 2.26     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 13:25:50  | -0.379   | 79.31            | 2.19     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 13:55:54  | 0.057    | 60.2             | 5.44     | 0                | 0.058        | 2.518           | 1.642377126 |
| 8/5/2018      | 14:25:58  | -0.299   | 96.8             | 2.75     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 14:56:02  | -0.315   | 91.51            | 2.58     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 15:26:06  | -0.329   | 86.77            | 2.43     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 15:56:10  | -0.332   | 85.09            | 2.38     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 16:26:14  | -0.336   | 84.05            | 2.35     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 16:56:18  | -0.354   | 81.52            | 2.27     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 17:26:22  | -0.344   | 82.25            | 2.3      | 0                | 0            | 0               | 0           |
| 8/5/2018      | 17:56:26  | -0.359   | 81.25            | 2.26     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 18:26:30  | -0.352   | 80.94            | 2.25     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 18:56:34  | -0.362   | 80.76            | 2.24     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 19:26:38  | -0.363   | 80.89            | 2.25     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 19:56:42  | -0.349   | 82.38            | 2.3      | 0                | 0            | 0               | 0           |
| 8/5/2018      | 20:26:42  | -0.398   | 79.94            | 2.2      | 0                | 0            | 0               | 0           |
| 8/5/2018      | 20:56:42  | -0.388   | 81.43            | 2.25     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 21:26:42  | -0.381   | 82.79            | 2.29     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 21:56:42  | -0.374   | 83.87            | 2.33     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 22:26:42  | -0.376   | 83.11            | 2.3      | 0                | 0            | 0               | 0           |
| 8/5/2018      | 22:56:42  | -0.381   | 80.8             | 2.23     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 23:26:42  | -0.392   | 79.31            | 2.19     | 0                | 0            | 0               | 0           |
| 8/5/2018      | 23:56:42  | -0.386   | 80.3             | 2.22     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 00:26:42  | -0.355   | 86.13            | 2.39     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 00:56:42  | -0.336   | 90.43            | 2.54     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 01:26:42  | -0.334   | 91.1             | 2.55     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 01:56:42  | -0.334   | 90.88            | 2.55     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 02:26:42  | -0.335   | 90.38            | 2.54     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 02:56:42  | -0.333   | 90.2             | 2.53     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 03:26:42  | -0.332   | 90.29            | 2.53     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 03:56:42  | -0.33    | 91.37            | 2.57     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 04:26:42  | -0.33    | 91.01            | 2.55     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 04:56:42  | -0.333   | 90.25            | 2.53     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 05:26:42  | -0.321   | 93.77            | 2.64     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 05:56:42  | -0.32    | 94.27            | 2.66     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 06:26:42  | -0.322   | 92.78            | 2.61     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 06:56:42  | -0.328   | 90.47            | 2.54     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 07:26:42  | -0.333   | 89.39            | 2.51     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 07:56:42  | -0.329   | 90.34            | 2.54     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 08:26:42  | -0.328   | 90.52            | 2.54     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 08:56:42  | -0.343   | 86.59            | 2.42     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 09:26:42  | -0.354   | 83.78            | 2.33     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 09:56:42  | -0.358   | 83.02            | 2.31     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 10:26:42  | -0.358   | 82.07            | 2.28     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 10:56:42  | -0.368   | 80.89            | 2.24     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 11:26:42  | -0.371   | 80.3             | 2.22     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 11:56:42  | -0.376   | 79.67            | 2.2      | 0                | 0            | 0               | 0           |
| 9/5/2018      | 12:26:46  | -0.3     | 95.08            | 2.69     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 12:56:50  | -0.302   | 94.85            | 2.68     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 13:26:50  | -0.387   | 78.86            | 2.17     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 13:56:54  | -0.314   | 90.43            | 2.54     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 14:26:58  | -0.32    | 89.3             | 2.51     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 14:57:02  | -0.335   | 86.13            | 2.41     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 15:27:06  | -0.336   | 84.19            | 2.35     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 15:57:10  | -0.339   | 83.33            | 2.33     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 16:27:14  | -0.343   | 82.43            | 2.3      | 0                | 0            | 0               | 0           |
| 9/5/2018      | 16:57:18  | -0.352   | 80.44            | 2.24     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 17:27:22  | -0.359   | 78.99            | 2.2      | 0                | 0            | 0               | 0           |
| 9/5/2018      | 17:57:26  | -0.368   | 77.91            | 2.17     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 18:27:34  | -0.34    | 86.49            | 2.42     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 18:57:38  | -0.362   | 81.8             | 2.27     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 19:27:42  | -0.368   | 80.71            | 2.24     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 19:57:46  | -0.359   | 79.76            | 2.22     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 20:27:50  | -0.362   | 78.99            | 2.2      | 0                | 0            | 0               | 0           |
| 9/5/2018      | 20:57:54  | -0.368   | 78.23            | 2.17     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 21:28:02  | -0.341   | 84.87            | 2.37     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 21:58:06  | -0.362   | 80.44            | 2.23     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 22:28:14  | -0.345   | 84.24            | 2.35     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 22:58:18  | -0.372   | 80.21            | 2.22     | 0                | 0            | 0               | 0           |
| 9/5/2018      | 23:28:22  | -0.364   | 78.95            | 2.2      | 0                | 0            | 0               | 0           |
| 9/5/2018      | 23:58:22  | -0.406   | 78.36            | 2.15     | 0                | 0            | 0               | 0           |



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 10/5/2018     | 00:28:22  | -0.392   | 80.98            | 2.23     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 00:58:22  | -0.363   | 87.58            | 2.44     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 01:28:22  | 0.056    | 53.96            | 5.56     | 0                | 0.056        | 2.49            | 1.585743432 |
| 10/5/2018     | 01:58:22  | 0.061    | 54.19            | 6.33     | 0                | 0.067        | 2.631           | 1.897228749 |
| 10/5/2018     | 02:28:22  | 0.064    | 54.41            | 6.72     | 0                | 0.074        | 2.713           | 2.095446678 |
| 10/5/2018     | 02:58:22  | 0.061    | 54.59            | 6.86     | 0                | 0.067        | 2.631           | 1.897228749 |
| 10/5/2018     | 03:28:22  | 0.059    | 54.95            | 6.83     | 0                | 0.062        | 2.575           | 1.755644514 |
| 10/5/2018     | 03:58:22  | 0.062    | 55.23            | 6.6      | 0                | 0.069        | 2.658           | 1.953862443 |
| 10/5/2018     | 04:28:22  | 0.061    | 55.5             | 6.33     | 0                | 0.067        | 2.631           | 1.897228749 |
| 10/5/2018     | 04:58:22  | 0.059    | 55.81            | 5.96     | 0                | 0.062        | 2.575           | 1.755644514 |
| 10/5/2018     | 05:28:22  | 0.06     | 56.31            | 6.32     | 0                | 0.065        | 2.603           | 1.840595055 |
| 10/5/2018     | 05:58:22  | 0.061    | 56.72            | 6.5      | 0                | 0.067        | 2.631           | 1.897228749 |
| 10/5/2018     | 06:28:22  | 0.057    | 57.3             | 6.27     | 0                | 0.058        | 2.518           | 1.642377126 |
| 10/5/2018     | 06:58:22  | 0.058    | 57.8             | 6.15     | 0                | 0.06         | 2.547           | 1.69901082  |
| 10/5/2018     | 07:28:22  | 0.063    | 58.52            | 6.14     | 0                | 0.072        | 2.686           | 2.038812984 |
| 10/5/2018     | 07:58:22  | 0.06     | 58.98            | 6.01     | 0                | 0.065        | 2.603           | 1.840595055 |
| 10/5/2018     | 08:28:22  | 0.061    | 59.02            | 5.8      | 0                | 0.067        | 2.631           | 1.897228749 |
| 10/5/2018     | 08:58:22  | 0.058    | 59.25            | 5.53     | 0                | 0.06         | 2.547           | 1.69901082  |
| 10/5/2018     | 09:28:22  | -0.312   | 96.57            | 2.74     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 09:58:22  | -0.337   | 88.48            | 2.47     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 10:28:22  | -0.361   | 82.93            | 2.3      | 0                | 0            | 0               | 0           |
| 10/5/2018     | 10:58:22  | -0.387   | 78.68            | 2.17     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 11:28:26  | -0.303   | 93.81            | 2.65     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 11:58:30  | -0.309   | 92.55            | 2.61     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 12:28:34  | -0.312   | 91.92            | 2.59     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 12:58:38  | -0.323   | 89.25            | 2.51     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 13:28:42  | -0.324   | 87.71            | 2.46     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 13:58:46  | -0.344   | 82.7             | 2.31     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 14:28:50  | -0.352   | 80.12            | 2.23     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 14:58:58  | -0.324   | 89.39            | 2.51     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 15:29:02  | -0.36    | 79.04            | 2.2      | 0                | 0            | 0               | 0           |
| 10/5/2018     | 15:59:06  | -0.363   | 78.5             | 2.18     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 16:29:14  | -0.323   | 90.06            | 2.53     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 16:59:18  | -0.353   | 80.89            | 2.25     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 17:29:22  | -0.352   | 80.76            | 2.25     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 17:59:26  | -0.352   | 80.94            | 2.25     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 18:29:30  | -0.349   | 81.71            | 2.28     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 18:59:34  | -0.344   | 82.43            | 2.3      | 0                | 0            | 0               | 0           |
| 10/5/2018     | 19:29:38  | -0.344   | 82.61            | 2.3      | 0                | 0            | 0               | 0           |
| 10/5/2018     | 19:59:42  | -0.344   | 82.61            | 2.3      | 0                | 0            | 0               | 0           |
| 10/5/2018     | 20:29:46  | -0.353   | 81.93            | 2.28     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 20:59:50  | -0.346   | 81.8             | 2.28     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 21:29:54  | -0.343   | 82.43            | 2.3      | 0                | 0            | 0               | 0           |
| 10/5/2018     | 21:59:58  | -0.343   | 82.34            | 2.3      | 0                | 0            | 0               | 0           |
| 10/5/2018     | 22:30:02  | -0.348   | 81.34            | 2.27     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 23:00:06  | -0.347   | 81.07            | 2.26     | 0                | 0            | 0               | 0           |
| 10/5/2018     | 23:30:10  | -0.346   | 81.43            | 2.27     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 00:00:14  | -0.35    | 82.02            | 2.28     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 00:30:18  | -0.334   | 84.46            | 2.36     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 01:00:22  | -0.339   | 85.46            | 2.39     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 01:30:22  | -0.388   | 79.45            | 2.19     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 02:00:26  | -0.317   | 89.61            | 2.52     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 02:30:26  | -0.385   | 81.3             | 2.25     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 03:00:26  | -0.386   | 80.35            | 2.22     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 03:30:30  | -0.309   | 91.33            | 2.57     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 04:00:34  | -0.324   | 86.63            | 2.43     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 04:30:38  | -0.328   | 84.82            | 2.38     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 05:00:42  | -0.337   | 82.29            | 2.3      | 0                | 0            | 0               | 0           |
| 11/5/2018     | 05:30:46  | -0.345   | 80.94            | 2.26     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 06:00:50  | -0.348   | 80.44            | 2.25     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 06:30:54  | -0.341   | 81.66            | 2.28     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 07:00:58  | -0.338   | 82.47            | 2.31     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 07:31:02  | -0.338   | 82.61            | 2.31     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 08:01:06  | -0.348   | 81.39            | 2.27     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 08:31:10  | -0.341   | 81.8             | 2.28     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 09:01:14  | -0.341   | 81.75            | 2.28     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 09:31:18  | -0.344   | 81.25            | 2.27     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 10:01:22  | -0.34    | 81.98            | 2.29     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 10:31:26  | -0.345   | 81.21            | 2.27     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 11:01:30  | -0.337   | 83.56            | 2.34     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 11:31:34  | -0.332   | 85.59            | 2.39     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 12:01:38  | -0.341   | 84.1             | 2.35     | 0                | 0            | 0               | 0           |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 11/5/2018     | 12:31:42  | -0.347   | 80.58            | 2.25     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 13:01:50  | -0.316   | 89.48            | 2.52     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 13:31:58  | -0.338   | 83.06            | 2.32     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 14:02:06  | -0.349   | 80.35            | 2.24     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 14:32:19  | -0.327   | 87.31            | 2.44     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 15:02:27  | -0.361   | 78.5             | 2.19     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 15:32:40  | -0.346   | 84.42            | 2.36     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 16:02:48  | -0.367   | 78               | 2.17     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 16:33:01  | -0.349   | 82.2             | 2.29     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 17:03:09  | -0.372   | 78.68            | 2.19     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 17:33:22  | -0.349   | 82.88            | 2.31     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 18:03:30  | -0.363   | 79.04            | 2.2      | 0                | 0            | 0               | 0           |
| 11/5/2018     | 18:33:38  | -0.37    | 77.73            | 2.16     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 19:03:51  | -0.359   | 82.83            | 2.3      | 0                | 0            | 0               | 0           |
| 11/5/2018     | 19:33:59  | -0.359   | 80.44            | 2.23     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 20:04:07  | -0.36    | 79.85            | 2.22     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 20:34:15  | -0.369   | 79.67            | 2.21     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 21:04:23  | -0.365   | 78.32            | 2.18     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 21:34:31  | -0.368   | 77.95            | 2.17     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 22:04:44  | -0.355   | 81.84            | 2.28     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 22:34:52  | -0.37    | 79.04            | 2.19     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 23:05:00  | -0.358   | 80.08            | 2.23     | 0                | 0            | 0               | 0           |
| 11/5/2018     | 23:35:04  | -0.361   | 79.4             | 2.21     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 00:05:04  | -0.394   | 79.67            | 2.19     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 00:35:04  | -0.4     | 79.4             | 2.19     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 01:05:04  | -0.378   | 84.37            | 2.34     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 01:35:04  | 0.067    | 52.42            | 5.44     | 0                | 0.082        | 2.795           | 2.321981454 |
| 12/5/2018     | 02:05:04  | 0.07     | 52.79            | 6.49     | 0                | 0.09         | 2.875           | 2.54851623  |
| 12/5/2018     | 02:35:04  | 0.066    | 53.01            | 6.57     | 0                | 0.079        | 2.768           | 2.237030913 |
| 12/5/2018     | 03:05:04  | 0.067    | 53.28            | 6.11     | 0                | 0.082        | 2.795           | 2.321981454 |
| 12/5/2018     | 03:35:04  | 0.067    | 53.92            | 6.57     | 0                | 0.082        | 2.795           | 2.321981454 |
| 12/5/2018     | 04:05:04  | 0.066    | 54.32            | 6.52     | 0                | 0.079        | 2.768           | 2.237030913 |
| 12/5/2018     | 04:35:04  | 0.069    | 55               | 7.07     | 0                | 0.087        | 2.848           | 2.463565689 |
| 12/5/2018     | 05:05:04  | 0.068    | 55.27            | 6.24     | 0                | 0.084        | 2.821           | 2.378615148 |
| 12/5/2018     | 05:35:04  | 0.068    | 55.68            | 5.92     | 0                | 0.084        | 2.821           | 2.378615148 |
| 12/5/2018     | 06:05:04  | 0.067    | 55.9             | 5.26     | 0                | 0.082        | 2.795           | 2.321981454 |
| 12/5/2018     | 06:35:04  | 0.066    | 56.27            | 5.24     | 0                | 0.079        | 2.768           | 2.237030913 |
| 12/5/2018     | 07:05:04  | 0.066    | 56.45            | 5.1      | 0                | 0.079        | 2.768           | 2.237030913 |
| 12/5/2018     | 07:35:04  | -0.34    | 92.59            | 2.6      | 0                | 0            | 0               | 0           |
| 12/5/2018     | 08:05:04  | -0.388   | 81.39            | 2.25     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 08:35:08  | -0.316   | 88.75            | 2.49     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 09:05:12  | -0.33    | 85.14            | 2.38     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 09:35:16  | -0.346   | 81.3             | 2.27     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 10:05:20  | -0.352   | 79.94            | 2.23     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 10:35:24  | -0.356   | 79.63            | 2.22     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 11:05:28  | -0.349   | 80.89            | 2.25     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 11:35:32  | -0.359   | 80.17            | 2.23     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 12:05:36  | -0.348   | 81.57            | 2.28     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 12:35:40  | -0.359   | 80.44            | 2.23     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 13:05:48  | -0.323   | 89.03            | 2.5      | 0                | 0            | 0               | 0           |
| 12/5/2018     | 13:35:56  | -0.339   | 84.01            | 2.35     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 14:06:04  | -0.352   | 80.44            | 2.24     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 14:36:12  | -0.364   | 78.18            | 2.17     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 15:06:25  | -0.343   | 85.18            | 2.38     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 15:36:33  | -0.363   | 78.5             | 2.19     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 16:06:46  | -0.346   | 83.2             | 2.32     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 16:36:59  | -0.348   | 83.56            | 2.33     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 17:07:07  | -0.366   | 78.36            | 2.18     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 17:37:20  | -0.354   | 81.25            | 2.26     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 18:07:33  | -0.354   | 81.71            | 2.27     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 18:37:41  | -0.369   | 78.18            | 2.17     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 19:07:54  | -0.361   | 80.08            | 2.22     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 19:38:07  | -0.368   | 80.12            | 2.22     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 20:08:20  | -0.362   | 79.81            | 2.22     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 20:38:33  | -0.36    | 79.99            | 2.22     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 21:08:46  | -0.361   | 81.25            | 2.26     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 21:38:54  | -0.37    | 78.54            | 2.18     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 22:09:02  | -0.379   | 77.64            | 2.15     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 22:39:15  | -0.363   | 79.85            | 2.22     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 23:09:23  | -0.369   | 78.45            | 2.18     | 0                | 0            | 0               | 0           |
| 12/5/2018     | 23:39:31  | -0.366   | 79.13            | 2.2      | 0                | 0            | 0               | 0           |
| 13/5/2018     | 00:09:35  | -0.368   | 79.49            | 2.21     | 0                | 0            | 0               | 0           |



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 13/5/2018     | 00:39:35  | -0.415   | 81.52            | 2.24     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 01:09:35  | -0.375   | 89.88            | 2.51     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 01:39:35  | 0.064    | 52.02            | 6.07     | 0                | 0.074        | 2.713           | 2.095446678 |
| 13/5/2018     | 02:09:35  | 0.059    | 52.38            | 6.89     | 0                | 0.062        | 2.575           | 1.755644514 |
| 13/5/2018     | 02:39:35  | 0.066    | 52.7             | 7.23     | 0                | 0.079        | 2.768           | 2.237030913 |
| 13/5/2018     | 03:09:35  | 0.07     | 53.06            | 7.28     | 0                | 0.09         | 2.875           | 2.54851623  |
| 13/5/2018     | 03:39:35  | 0.067    | 53.46            | 7.18     | 0                | 0.082        | 2.795           | 2.321981454 |
| 13/5/2018     | 04:09:35  | 0.062    | 54.01            | 7        | 0                | 0.069        | 2.658           | 1.953862443 |
| 13/5/2018     | 04:39:35  | 0.062    | 54.64            | 6.84     | 0                | 0.069        | 2.658           | 1.953862443 |
| 13/5/2018     | 05:09:35  | 0.062    | 55.27            | 6.66     | 0                | 0.069        | 2.658           | 1.953862443 |
| 13/5/2018     | 05:39:35  | 0.067    | 55.72            | 6.33     | 0                | 0.082        | 2.795           | 2.321981454 |
| 13/5/2018     | 06:09:35  | 0.069    | 56.27            | 5.84     | 0                | 0.087        | 2.848           | 2.463565689 |
| 13/5/2018     | 06:39:35  | 0.069    | 56.81            | 5.63     | 0                | 0.087        | 2.848           | 2.463565689 |
| 13/5/2018     | 07:09:35  | 0.066    | 57.39            | 5.36     | 0                | 0.079        | 2.768           | 2.237030913 |
| 13/5/2018     | 07:39:35  | 0.069    | 57.89            | 4.92     | 0                | 0.087        | 2.848           | 2.463565689 |
| 13/5/2018     | 08:09:35  | 0.062    | 58.34            | 4.8      | 0                | 0.069        | 2.658           | 1.953862443 |
| 13/5/2018     | 08:39:35  | -0.321   | 94.45            | 2.76     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 09:09:35  | -0.343   | 94.58            | 2.67     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 09:39:35  | -0.356   | 90.38            | 2.53     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 10:09:35  | -0.382   | 83.92            | 2.33     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 10:39:39  | -0.306   | 93.86            | 2.65     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 11:09:43  | -0.325   | 87.76            | 2.46     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 11:39:47  | -0.354   | 81.8             | 2.28     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 12:09:51  | -0.359   | 80.12            | 2.23     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 12:39:59  | -0.313   | 92.73            | 2.62     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 13:10:07  | -0.339   | 85.64            | 2.39     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 13:40:15  | -0.349   | 81.34            | 2.27     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 14:10:28  | -0.34    | 86.31            | 2.41     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 14:40:41  | -0.342   | 85.5             | 2.39     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 15:10:54  | -0.345   | 84.33            | 2.35     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 15:41:07  | -0.355   | 81.48            | 2.27     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 16:11:20  | -0.367   | 80.76            | 2.24     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 16:41:33  | -0.36    | 80.8             | 2.25     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 17:11:46  | -0.371   | 79.99            | 2.22     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 17:41:59  | -0.363   | 80.12            | 2.22     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 18:12:12  | -0.365   | 79.99            | 2.22     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 18:42:25  | -0.362   | 80.17            | 2.23     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 19:12:38  | -0.365   | 79.99            | 2.22     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 19:42:46  | -0.376   | 77.64            | 2.15     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 20:12:59  | -0.369   | 78.54            | 2.18     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 20:43:12  | -0.367   | 78.9             | 2.19     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 21:13:25  | -0.365   | 79.76            | 2.22     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 21:43:33  | -0.372   | 77.91            | 2.16     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 22:13:46  | -0.369   | 78.95            | 2.19     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 22:43:59  | -0.364   | 80.17            | 2.22     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 23:14:07  | -0.366   | 79.81            | 2.22     | 0                | 0            | 0               | 0           |
| 13/5/2018     | 23:44:11  | -0.379   | 79.67            | 2.2      | 0                | 0            | 0               | 0           |
| 14/5/2018     | 00:14:11  | -0.409   | 82.16            | 2.26     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 00:44:11  | -0.392   | 85.5             | 2.37     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 01:14:11  | 0.046    | 52.47            | 5.19     | 0                | 0.037        | 2.193           | 1.047723339 |
| 14/5/2018     | 01:44:11  | 0.047    | 52.79            | 6.3      | 0                | 0.039        | 2.224           | 1.104357033 |
| 14/5/2018     | 02:14:11  | 0.047    | 53.24            | 6.82     | 0                | 0.039        | 2.224           | 1.104357033 |
| 14/5/2018     | 02:44:11  | 0.047    | 53.6             | 6.6      | 0                | 0.039        | 2.224           | 1.104357033 |
| 14/5/2018     | 03:14:11  | 0.051    | 54.32            | 6.94     | 0                | 0.046        | 2.344           | 1.302574962 |
| 14/5/2018     | 03:44:11  | 0.05     | 54.95            | 7.6      | 0                | 0.044        | 2.314           | 1.245941268 |
| 14/5/2018     | 04:14:11  | 0.052    | 55.63            | 7.62     | 0                | 0.048        | 2.373           | 1.359208656 |
| 14/5/2018     | 04:44:11  | 0.051    | 56.4             | 7.61     | 0                | 0.046        | 2.344           | 1.302574962 |
| 14/5/2018     | 05:14:11  | 0.051    | 56.94            | 6.76     | 0                | 0.046        | 2.344           | 1.302574962 |
| 14/5/2018     | 05:44:11  | 0.055    | 57.62            | 6.8      | 0                | 0.054        | 2.461           | 1.529109738 |
| 14/5/2018     | 06:14:11  | 0.053    | 58.07            | 6.02     | 0                | 0.05         | 2.403           | 1.41584235  |
| 14/5/2018     | 06:44:11  | 0.054    | 58.75            | 5.68     | 0                | 0.052        | 2.432           | 1.472476044 |
| 14/5/2018     | 07:14:11  | 0.053    | 59.38            | 5.5      | 0                | 0.05         | 2.403           | 1.41584235  |
| 14/5/2018     | 07:44:11  | 0.053    | 59.93            | 5.23     | 0                | 0.05         | 2.403           | 1.41584235  |
| 14/5/2018     | 08:14:11  | 0.055    | 60.42            | 5.04     | 0                | 0.054        | 2.461           | 1.529109738 |
| 14/5/2018     | 08:44:11  | 0.055    | 60.74            | 4.96     | 0                | 0.054        | 2.461           | 1.529109738 |
| 14/5/2018     | 09:14:11  | 0.058    | 60.83            | 4.83     | 0                | 0.06         | 2.547           | 1.69901082  |
| 14/5/2018     | 09:44:11  | -0.346   | 94.18            | 2.65     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 10:14:11  | -0.376   | 87.13            | 2.43     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 10:44:11  | -0.395   | 82.88            | 2.29     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 11:14:15  | -0.307   | 94.31            | 2.67     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 11:44:19  | -0.325   | 89.84            | 2.53     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 12:14:23  | -0.325   | 88.48            | 2.49     | 0                | 0            | 0               | 0           |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 14/5/2018     | 12:44:27  | -0.346   | 82.47            | 2.3      | 0                | 0            | 0               | 0           |
| 14/5/2018     | 13:14:35  | -0.322   | 91.01            | 2.56     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 13:44:43  | -0.337   | 86.04            | 2.41     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 14:14:51  | -0.346   | 82.97            | 2.31     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 14:44:59  | -0.344   | 83.74            | 2.34     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 15:15:07  | -0.343   | 84.6             | 2.36     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 15:45:15  | -0.346   | 84.82            | 2.37     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 16:15:23  | -0.353   | 84.42            | 2.35     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 16:45:31  | -0.344   | 85.18            | 2.38     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 17:15:35  | -0.371   | 78.36            | 2.17     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 17:45:43  | -0.358   | 82.38            | 2.29     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 18:15:51  | -0.36    | 81.61            | 2.27     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 18:45:59  | -0.355   | 81.8             | 2.28     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 19:16:07  | -0.356   | 81.66            | 2.27     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 19:46:15  | -0.363   | 81.16            | 2.25     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 20:16:23  | -0.367   | 79.94            | 2.22     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 20:46:36  | -0.341   | 85.59            | 2.39     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 21:16:44  | -0.365   | 79.31            | 2.2      | 0                | 0            | 0               | 0           |
| 14/5/2018     | 21:46:57  | -0.35    | 83.38            | 2.32     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 22:17:10  | -0.353   | 82.38            | 2.3      | 0                | 0            | 0               | 0           |
| 14/5/2018     | 22:47:23  | -0.352   | 83.29            | 2.32     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 23:17:31  | -0.363   | 80.03            | 2.22     | 0                | 0            | 0               | 0           |
| 14/5/2018     | 23:47:39  | -0.369   | 80.49            | 2.23     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 00:17:43  | -0.379   | 78.68            | 2.18     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 00:47:47  | -0.361   | 80.44            | 2.23     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 01:17:47  | -0.399   | 83.24            | 2.3      | 0                | 0            | 0               | 0           |
| 15/5/2018     | 01:47:47  | -0.378   | 87.49            | 2.43     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 02:17:47  | -0.359   | 92.14            | 2.59     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 02:47:47  | 0.047    | 56.27            | 5.4      | 0                | 0.039        | 2.224           | 1.104357033 |
| 15/5/2018     | 03:17:47  | 0.048    | 56.99            | 6.16     | 0                | 0.04         | 2.254           | 1.13267388  |
| 15/5/2018     | 03:47:47  | 0.051    | 57.67            | 6.77     | 0                | 0.046        | 2.344           | 1.302574962 |
| 15/5/2018     | 04:17:47  | 0.048    | 58.48            | 7.14     | 0                | 0.04         | 2.254           | 1.13267388  |
| 15/5/2018     | 04:47:47  | 0.05     | 59.25            | 7.34     | 0                | 0.044        | 2.314           | 1.245941268 |
| 15/5/2018     | 05:17:47  | 0.051    | 60.11            | 7.32     | 0                | 0.046        | 2.344           | 1.302574962 |
| 15/5/2018     | 05:47:47  | 0.052    | 60.87            | 7.12     | 0                | 0.048        | 2.373           | 1.359208656 |
| 15/5/2018     | 06:17:47  | 0.052    | 61.73            | 6.67     | 0                | 0.048        | 2.373           | 1.359208656 |
| 15/5/2018     | 06:47:47  | 0.054    | 62.23            | 5.96     | 0                | 0.052        | 2.432           | 1.472476044 |
| 15/5/2018     | 07:17:47  | 0.052    | 62.68            | 5.29     | 0                | 0.048        | 2.373           | 1.359208656 |
| 15/5/2018     | 07:47:47  | 0.047    | 63.18            | 4.72     | 0                | 0.039        | 2.224           | 1.104357033 |
| 15/5/2018     | 08:17:47  | -0.33    | 97.11            | 2.75     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 08:47:47  | -0.32    | 97.79            | 2.79     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 09:17:47  | 0.048    | 64.08            | 4.65     | 0                | 0.04         | 2.254           | 1.13267388  |
| 15/5/2018     | 09:47:47  | -0.345   | 92.96            | 2.62     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 10:17:47  | -0.378   | 85.14            | 2.36     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 10:47:47  | -0.401   | 80.89            | 2.23     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 11:17:51  | -0.3     | 96.71            | 2.75     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 11:47:55  | -0.326   | 88.35            | 2.48     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 12:17:59  | -0.347   | 81.93            | 2.28     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 12:48:07  | -0.306   | 97.16            | 2.76     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 13:18:15  | -0.314   | 94.13            | 2.67     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 13:48:23  | -0.325   | 90.56            | 2.55     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 14:18:31  | -0.326   | 89.61            | 2.52     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 14:48:39  | -0.348   | 83.83            | 2.34     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 15:18:47  | -0.357   | 80.94            | 2.25     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 15:48:55  | -0.364   | 78.86            | 2.19     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 16:19:08  | -0.328   | 89.52            | 2.52     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 16:49:16  | -0.358   | 80.12            | 2.23     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 17:19:24  | -0.365   | 78.81            | 2.19     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 17:49:37  | -0.338   | 87.04            | 2.44     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 18:19:50  | -0.336   | 87.58            | 2.45     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 18:49:58  | -0.36    | 79.63            | 2.22     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 19:20:11  | -0.336   | 87.04            | 2.44     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 19:50:19  | -0.364   | 78.81            | 2.19     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 20:20:32  | -0.342   | 86.22            | 2.41     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 20:50:40  | -0.366   | 78.27            | 2.17     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 21:20:53  | -0.341   | 84.55            | 2.36     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 21:51:06  | -0.342   | 84.46            | 2.36     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 22:21:19  | -0.351   | 83.2             | 2.32     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 22:51:32  | -0.343   | 84.15            | 2.35     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 23:21:45  | -0.348   | 82.88            | 2.31     | 0                | 0            | 0               | 0           |
| 15/5/2018     | 23:51:58  | -0.344   | 83.42            | 2.33     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 00:22:11  | -0.346   | 83.29            | 2.32     | 0                | 0            | 0               | 0           |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 16/5/2018     | 00:52:24  | -0.345   | 85.23            | 2.38     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 01:22:32  | -0.355   | 80.44            | 2.24     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 01:52:40  | -0.353   | 81.3             | 2.27     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 02:22:48  | -0.339   | 85.86            | 2.4      | 0                | 0            | 0               | 0           |
| 16/5/2018     | 02:52:52  | -0.363   | 78.99            | 2.2      | 0                | 0            | 0               | 0           |
| 16/5/2018     | 03:23:00  | -0.339   | 84.28            | 2.35     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 03:53:08  | -0.351   | 81.48            | 2.27     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 04:23:08  | 0.028    | 55.59            | 8.61     | 0                | 0.012        | 1.558           | 0.339802164 |
| 16/5/2018     | 04:53:08  | 0.028    | 55.59            | 7.13     | 0                | 0.012        | 1.558           | 0.339802164 |
| 16/5/2018     | 05:23:08  | 0.028    | 55.68            | 6.16     | 0                | 0.012        | 1.558           | 0.339802164 |
| 16/5/2018     | 05:53:08  | 0.032    | 55.86            | 5.76     | 0                | 0.016        | 1.702           | 0.453069552 |
| 16/5/2018     | 06:23:08  | 0.03     | 56.36            | 6.08     | 0                | 0.014        | 1.631           | 0.396435858 |
| 16/5/2018     | 06:53:08  | 0.029    | 56.81            | 6.22     | 0                | 0.013        | 1.595           | 0.368119011 |
| 16/5/2018     | 07:23:08  | 0.032    | 57.17            | 5.85     | 0                | 0.016        | 1.702           | 0.453069552 |
| 16/5/2018     | 07:53:08  | 0.032    | 57.49            | 5.5      | 0                | 0.016        | 1.702           | 0.453069552 |
| 16/5/2018     | 08:23:08  | 0.03     | 58.07            | 5.14     | 0                | 0.014        | 1.631           | 0.396435858 |
| 16/5/2018     | 08:53:08  | -0.315   | 94.94            | 2.68     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 09:23:08  | -0.32    | 93.27            | 2.63     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 09:53:08  | -0.331   | 91.19            | 2.56     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 10:23:08  | -0.35    | 87.22            | 2.44     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 10:53:08  | -0.383   | 81.84            | 2.27     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 11:23:12  | 0.035    | 58.84            | 5.74     | 0                | 0.021        | 1.84            | 0.594653787 |
| 16/5/2018     | 11:53:16  | -0.297   | 96.12            | 2.73     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 12:23:20  | -0.317   | 87.85            | 2.47     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 12:53:24  | -0.358   | 78.81            | 2.19     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 13:23:32  | -0.301   | 95.98            | 2.72     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 13:53:40  | -0.331   | 84.28            | 2.36     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 14:23:53  | -0.308   | 95.08            | 2.69     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 14:54:06  | -0.324   | 88.8             | 2.49     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 15:24:19  | -0.327   | 87.4             | 2.45     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 15:54:32  | -0.341   | 83.2             | 2.33     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 16:24:45  | -0.351   | 81.25            | 2.27     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 16:54:58  | -0.353   | 80.62            | 2.25     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 17:25:11  | -0.35    | 80.94            | 2.25     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 17:55:24  | -0.343   | 82.93            | 2.31     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 18:25:37  | -0.346   | 82.56            | 2.3      | 0                | 0            | 0               | 0           |
| 16/5/2018     | 18:55:50  | -0.346   | 82.34            | 2.3      | 0                | 0            | 0               | 0           |
| 16/5/2018     | 19:26:03  | -0.348   | 81.93            | 2.28     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 19:56:16  | -0.346   | 82.25            | 2.3      | 0                | 0            | 0               | 0           |
| 16/5/2018     | 20:26:29  | -0.359   | 79.22            | 2.2      | 0                | 0            | 0               | 0           |
| 16/5/2018     | 20:56:42  | -0.364   | 78.36            | 2.18     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 21:26:59  | -0.34    | 85.14            | 2.38     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 21:57:16  | -0.341   | 85.18            | 2.38     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 22:27:33  | -0.351   | 81.34            | 2.27     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 22:57:50  | -0.359   | 79.4             | 2.21     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 23:28:07  | -0.355   | 80.49            | 2.24     | 0                | 0            | 0               | 0           |
| 16/5/2018     | 23:58:24  | -0.354   | 82.61            | 2.3      | 0                | 0            | 0               | 0           |
| 17/5/2018     | 00:28:37  | -0.359   | 79.81            | 2.22     | 0                | 0            | 0               | 0           |
| 17/5/2018     | 00:58:50  | -0.351   | 84.19            | 2.35     | 0                | 0            | 0               | 0           |
| 17/5/2018     | 01:28:54  | -0.368   | 81.07            | 2.25     | 0                | 0            | 0               | 0           |
| 17/5/2018     | 01:58:54  | -0.407   | 81.07            | 2.23     | 0                | 0            | 0               | 0           |
| 17/5/2018     | 02:28:54  | -0.387   | 83.42            | 2.31     | 0                | 0            | 0               | 0           |
| 17/5/2018     | 02:58:54  | -0.387   | 83.65            | 2.31     | 0                | 0            | 0               | 0           |
| 17/5/2018     | 03:28:54  | -0.377   | 85.64            | 2.38     | 0                | 0            | 0               | 0           |
| 17/5/2018     | 03:58:54  | -0.37    | 87.35            | 2.43     | 0                | 0            | 0               | 0           |
| 17/5/2018     | 04:28:54  | -0.381   | 85.37            | 2.37     | 0                | 0            | 0               | 0           |
| 17/5/2018     | 04:38:57  | 0.051    | 57.85            | 11.45    | 0                | 0.046        | 2.344           | 1.302574962 |
| 17/5/2018     | 04:39:10  | 0.049    | 57.98            | 18.7     | 0                | 0.042        | 2.284           | 1.189307574 |
| 17/5/2018     | 05:09:10  | 0.048    | 58.25            | 18.74    | 0                | 0.04         | 2.254           | 1.13267388  |
| 17/5/2018     | 05:39:10  | 0.049    | 58.61            | 18.68    | 0                | 0.042        | 2.284           | 1.189307574 |
| 17/5/2018     | 06:09:10  | 0.049    | 59.16            | 18.66    | 0                | 0.042        | 2.284           | 1.189307574 |
| 17/5/2018     | 06:39:10  | 0.049    | 59.65            | 18.65    | 0                | 0.042        | 2.284           | 1.189307574 |
| 17/5/2018     | 07:09:10  | 0.048    | 60.2             | 18.64    | 0                | 0.04         | 2.254           | 1.13267388  |
| 17/5/2018     | 07:39:10  | 0.051    | 60.65            | 18.64    | 0                | 0.046        | 2.344           | 1.302574962 |
| 17/5/2018     | 08:09:10  | 0.049    | 61.19            | 18.63    | 0                | 0.042        | 2.284           | 1.189307574 |
| 17/5/2018     | 08:39:10  | 0.05     | 61.73            | 18.63    | 0                | 0.044        | 2.314           | 1.245941268 |
| 17/5/2018     | 09:09:10  | 0.051    | 62.05            | 18.62    | 0                | 0.046        | 2.344           | 1.302574962 |
| 17/5/2018     | 09:39:10  | 0.05     | 62.23            | 18.61    | 0                | 0.044        | 2.314           | 1.245941268 |
| 17/5/2018     | 10:09:10  | 0.048    | 62.27            | 18.59    | 0                | 0.04         | 2.254           | 1.13267388  |
| 17/5/2018     | 10:39:10  | 0.049    | 62.14            | 18.58    | 0                | 0.042        | 2.284           | 1.189307574 |
| 17/5/2018     | 11:09:10  | 0.049    | 61.96            | 18.58    | 0                | 0.042        | 2.284           | 1.189307574 |
| 17/5/2018     | 11:39:10  | 0.047    | 61.64            | 18.58    | 0                | 0.039        | 2.224           | 1.104357033 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 17/5/2018     | 12:09:10  | 0.048    | 61.28            | 18.57    | 0                | 0.04         | 2.254           | 1.13267388  |
| 17/5/2018     | 12:39:10  | 0.047    | 60.87            | 18.57    | 0                | 0.039        | 2.224           | 1.104357033 |
| 17/5/2018     | 13:09:10  | 0.045    | 60.47            | 18.56    | 0                | 0.035        | 2.162           | 0.991089645 |
| 17/5/2018     | 13:39:10  | 0.047    | 60.06            | 18.56    | 0                | 0.039        | 2.224           | 1.104357033 |
| 17/5/2018     | 14:09:10  | 0.044    | 59.65            | 18.56    | 0                | 0.034        | 2.131           | 0.962772798 |
| 17/5/2018     | 14:39:10  | 0.043    | 59.2             | 18.55    | 0                | 0.032        | 2.1             | 0.906139104 |
| 17/5/2018     | 15:09:10  | 0.043    | 58.75            | 18.55    | 0                | 0.032        | 2.1             | 0.906139104 |
| 17/5/2018     | 15:39:10  | 0.043    | 58.39            | 18.54    | 0                | 0.032        | 2.1             | 0.906139104 |
| 17/5/2018     | 16:09:10  | 0.041    | 58.03            | 18.55    | 0                | 0.029        | 2.037           | 0.821188563 |
| 17/5/2018     | 16:39:10  | 0.041    | 57.76            | 18.54    | 0                | 0.029        | 2.037           | 0.821188563 |
| 17/5/2018     | 17:09:10  | 0.043    | 57.58            | 18.55    | 0                | 0.032        | 2.1             | 0.906139104 |
| 17/5/2018     | 17:39:10  | 0.044    | 57.39            | 18.56    | 0                | 0.034        | 2.131           | 0.962772798 |
| 17/5/2018     | 18:09:10  | 0.043    | 57.26            | 18.57    | 0                | 0.032        | 2.1             | 0.906139104 |
| 17/5/2018     | 18:39:10  | 0.043    | 57.12            | 18.58    | 0                | 0.032        | 2.1             | 0.906139104 |
| 17/5/2018     | 19:09:10  | 0.042    | 56.99            | 18.58    | 0                | 0.031        | 2.068           | 0.877822257 |
| 17/5/2018     | 19:39:10  | 0.041    | 56.81            | 18.58    | 0                | 0.029        | 2.037           | 0.821188563 |
| 17/5/2018     | 20:09:10  | 0.042    | 56.67            | 18.58    | 0                | 0.031        | 2.068           | 0.877822257 |
| 17/5/2018     | 20:39:10  | 0.042    | 56.49            | 18.58    | 0                | 0.031        | 2.068           | 0.877822257 |
| 17/5/2018     | 21:09:10  | 0.042    | 56.31            | 18.58    | 0                | 0.031        | 2.068           | 0.877822257 |
| 17/5/2018     | 21:39:10  | 0.042    | 56.13            | 18.57    | 0                | 0.031        | 2.068           | 0.877822257 |
| 17/5/2018     | 22:09:10  | 0.041    | 55.95            | 18.56    | 0                | 0.029        | 2.037           | 0.821188563 |
| 17/5/2018     | 22:39:10  | 0.039    | 55.81            | 18.56    | 0                | 0.026        | 1.972           | 0.736238022 |
| 17/5/2018     | 23:09:10  | 0.04     | 55.77            | 18.56    | 0                | 0.028        | 2.005           | 0.792871716 |
| 17/5/2018     | 23:39:10  | 0.041    | 55.68            | 18.58    | 0                | 0.029        | 2.037           | 0.821188563 |
| 18/5/2018     | 00:09:10  | 0.041    | 55.68            | 18.58    | 0                | 0.029        | 2.037           | 0.821188563 |
| 18/5/2018     | 00:39:10  | 0.044    | 55.77            | 18.6     | 0                | 0.034        | 2.131           | 0.962772798 |
| 18/5/2018     | 01:09:10  | 0.045    | 55.99            | 18.62    | 0                | 0.035        | 2.162           | 0.991089645 |
| 18/5/2018     | 01:39:10  | 0.041    | 56.08            | 18.63    | 0                | 0.029        | 2.037           | 0.821188563 |
| 18/5/2018     | 02:09:10  | 0.043    | 56.22            | 18.63    | 0                | 0.032        | 2.1             | 0.906139104 |
| 18/5/2018     | 02:39:10  | 0.043    | 56.49            | 18.64    | 0                | 0.032        | 2.1             | 0.906139104 |
| 18/5/2018     | 03:09:10  | 0.044    | 56.94            | 18.65    | 0                | 0.034        | 2.131           | 0.962772798 |
| 18/5/2018     | 03:39:10  | 0.043    | 57.44            | 18.66    | 0                | 0.032        | 2.1             | 0.906139104 |
| 18/5/2018     | 04:09:10  | 0.045    | 57.98            | 18.66    | 0                | 0.035        | 2.162           | 0.991089645 |
| 18/5/2018     | 04:39:10  | 0.047    | 58.66            | 18.65    | 0                | 0.039        | 2.224           | 1.104357033 |
| 18/5/2018     | 05:09:10  | 0.046    | 59.43            | 18.65    | 0                | 0.037        | 2.193           | 1.047723339 |
| 18/5/2018     | 05:39:10  | 0.052    | 60.06            | 18.64    | 0                | 0.048        | 2.373           | 1.359208656 |
| 18/5/2018     | 06:09:10  | 0.049    | 60.78            | 18.63    | 0                | 0.042        | 2.284           | 1.189307574 |
| 18/5/2018     | 06:39:10  | 0.052    | 61.51            | 18.63    | 0                | 0.048        | 2.373           | 1.359208656 |
| 18/5/2018     | 07:09:10  | 0.05     | 62.18            | 18.63    | 0                | 0.044        | 2.314           | 1.245941268 |
| 18/5/2018     | 07:39:10  | 0.051    | 62.86            | 18.63    | 0                | 0.046        | 2.344           | 1.302574962 |
| 18/5/2018     | 08:09:10  | 0.051    | 63.45            | 18.61    | 0                | 0.046        | 2.344           | 1.302574962 |
| 18/5/2018     | 08:39:10  | 0.054    | 63.9             | 18.6     | 0                | 0.052        | 2.432           | 1.472476044 |
| 18/5/2018     | 09:09:10  | 0.053    | 64.04            | 18.6     | 0                | 0.05         | 2.403           | 1.41584235  |
| 18/5/2018     | 09:39:10  | 0.051    | 64.22            | 18.58    | 0                | 0.046        | 2.344           | 1.302574962 |
| 18/5/2018     | 10:09:10  | 0.052    | 64.17            | 18.57    | 0                | 0.048        | 2.373           | 1.359208656 |
| 18/5/2018     | 10:39:10  | 0.049    | 64.17            | 18.55    | 0                | 0.042        | 2.284           | 1.189307574 |
| 18/5/2018     | 11:09:10  | 0.05     | 64.08            | 18.55    | 0                | 0.044        | 2.314           | 1.245941268 |
| 18/5/2018     | 11:39:10  | 0.05     | 63.81            | 18.53    | 0                | 0.044        | 2.314           | 1.245941268 |
| 18/5/2018     | 12:09:10  | 0.049    | 63.4             | 18.53    | 0                | 0.042        | 2.284           | 1.189307574 |
| 18/5/2018     | 12:39:10  | 0.048    | 62.91            | 18.52    | 0                | 0.04         | 2.254           | 1.13267388  |
| 18/5/2018     | 13:09:10  | 0.045    | 62.41            | 18.5     | 0                | 0.035        | 2.162           | 0.991089645 |
| 18/5/2018     | 13:39:10  | 0.045    | 61.87            | 18.49    | 0                | 0.035        | 2.162           | 0.991089645 |
| 18/5/2018     | 14:09:10  | 0.043    | 61.33            | 18.48    | 0                | 0.032        | 2.1             | 0.906139104 |
| 18/5/2018     | 14:39:10  | 0.047    | 60.83            | 18.47    | 0                | 0.039        | 2.224           | 1.104357033 |
| 18/5/2018     | 15:09:10  | 0.045    | 60.29            | 18.46    | 0                | 0.035        | 2.162           | 0.991089645 |
| 18/5/2018     | 15:39:10  | 0.045    | 59.83            | 18.46    | 0                | 0.035        | 2.162           | 0.991089645 |
| 18/5/2018     | 16:09:10  | 0.041    | 59.38            | 18.45    | 0                | 0.029        | 2.037           | 0.821188563 |
| 18/5/2018     | 16:39:10  | 0.043    | 58.98            | 18.45    | 0                | 0.032        | 2.1             | 0.906139104 |
| 18/5/2018     | 17:09:10  | 0.043    | 58.57            | 18.45    | 0                | 0.032        | 2.1             | 0.906139104 |
| 18/5/2018     | 17:39:10  | 0.044    | 58.21            | 18.45    | 0                | 0.034        | 2.131           | 0.962772798 |
| 18/5/2018     | 18:09:10  | 0.041    | 57.89            | 18.44    | 0                | 0.029        | 2.037           | 0.821188563 |
| 18/5/2018     | 18:39:10  | 0.042    | 57.58            | 18.44    | 0                | 0.031        | 2.068           | 0.877822257 |
| 18/5/2018     | 19:09:10  | 0.043    | 57.3             | 18.44    | 0                | 0.032        | 2.1             | 0.906139104 |
| 18/5/2018     | 19:39:10  | 0.04     | 57.03            | 18.44    | 0                | 0.028        | 2.005           | 0.792871716 |
| 18/5/2018     | 20:09:10  | 0.041    | 56.81            | 18.44    | 0                | 0.029        | 2.037           | 0.821188563 |
| 18/5/2018     | 20:39:10  | 0.039    | 56.54            | 18.44    | 0                | 0.026        | 1.972           | 0.736238022 |
| 18/5/2018     | 21:09:10  | 0.042    | 56.31            | 18.43    | 0                | 0.031        | 2.068           | 0.877822257 |
| 18/5/2018     | 21:39:10  | 0.041    | 56.08            | 18.42    | 0                | 0.029        | 2.037           | 0.821188563 |
| 18/5/2018     | 22:09:10  | 0.042    | 55.86            | 18.43    | 0                | 0.031        | 2.068           | 0.877822257 |
| 18/5/2018     | 22:39:10  | 0.039    | 55.72            | 18.42    | 0                | 0.026        | 1.972           | 0.736238022 |
| 18/5/2018     | 23:09:10  | 0.041    | 55.54            | 18.43    | 0                | 0.029        | 2.037           | 0.821188563 |
| 18/5/2018     | 23:39:10  | 0.043    | 55.5             | 18.44    | 0                | 0.032        | 2.1             | 0.906139104 |



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 19/5/2018     | 00:09:10  | 0.041    | 55.63            | 18.45    | 0                | 0.029        | 2.037           | 0.821188563 |
| 19/5/2018     | 00:39:10  | 0.041    | 55.86            | 18.47    | 0                | 0.029        | 2.037           | 0.821188563 |
| 19/5/2018     | 01:09:10  | 0.044    | 56.17            | 18.51    | 0                | 0.034        | 2.131           | 0.962772798 |
| 19/5/2018     | 01:39:10  | 0.044    | 56.58            | 18.56    | 0                | 0.034        | 2.131           | 0.962772798 |
| 19/5/2018     | 02:09:10  | 0.046    | 57.03            | 18.58    | 0                | 0.037        | 2.193           | 1.047723339 |
| 19/5/2018     | 02:39:10  | 0.046    | 57.67            | 18.6     | 0                | 0.037        | 2.193           | 1.047723339 |
| 19/5/2018     | 03:09:10  | 0.046    | 58.25            | 18.59    | 0                | 0.037        | 2.193           | 1.047723339 |
| 19/5/2018     | 03:39:10  | 0.045    | 58.89            | 18.58    | 0                | 0.035        | 2.162           | 0.991089645 |
| 19/5/2018     | 04:09:10  | 0.05     | 59.52            | 18.58    | 0                | 0.044        | 2.314           | 1.245941268 |
| 19/5/2018     | 04:39:10  | 0.048    | 60.2             | 18.57    | 0                | 0.04         | 2.254           | 1.13267388  |
| 19/5/2018     | 05:09:10  | 0.05     | 60.92            | 18.56    | 0                | 0.044        | 2.314           | 1.245941268 |
| 19/5/2018     | 05:39:10  | 0.052    | 61.64            | 18.56    | 0                | 0.048        | 2.373           | 1.359208656 |
| 19/5/2018     | 06:09:10  | 0.051    | 62.46            | 18.56    | 0                | 0.046        | 2.344           | 1.302574962 |
| 19/5/2018     | 06:39:10  | 0.05     | 62.77            | 18.55    | 0                | 0.044        | 2.314           | 1.245941268 |
| 19/5/2018     | 07:09:10  | 0.051    | 63.27            | 18.54    | 0                | 0.046        | 2.344           | 1.302574962 |
| 19/5/2018     | 07:39:10  | 0.051    | 63.9             | 18.53    | 0                | 0.046        | 2.344           | 1.302574962 |
| 19/5/2018     | 08:09:10  | 0.05     | 64.44            | 18.53    | 0                | 0.044        | 2.314           | 1.245941268 |
| 19/5/2018     | 08:39:10  | 0.048    | 64.71            | 18.52    | 0                | 0.04         | 2.254           | 1.13267388  |
| 19/5/2018     | 09:09:10  | 0.052    | 64.9             | 18.52    | 0                | 0.048        | 2.373           | 1.359208656 |
| 19/5/2018     | 09:39:10  | 0.05     | 64.99            | 18.51    | 0                | 0.044        | 2.314           | 1.245941268 |
| 19/5/2018     | 10:09:10  | 0.051    | 65.03            | 18.49    | 0                | 0.046        | 2.344           | 1.302574962 |
| 19/5/2018     | 10:39:10  | 0.051    | 64.99            | 18.48    | 0                | 0.046        | 2.344           | 1.302574962 |
| 19/5/2018     | 11:09:10  | 0.052    | 64.71            | 18.47    | 0                | 0.048        | 2.373           | 1.359208656 |
| 19/5/2018     | 11:39:10  | 0.051    | 64.35            | 18.46    | 0                | 0.046        | 2.344           | 1.302574962 |
| 19/5/2018     | 12:09:10  | 0.048    | 63.86            | 18.45    | 0                | 0.04         | 2.254           | 1.13267388  |
| 19/5/2018     | 12:39:10  | 0.047    | 63.4             | 18.45    | 0                | 0.039        | 2.224           | 1.104357033 |
| 19/5/2018     | 13:09:10  | 0.047    | 62.95            | 18.43    | 0                | 0.039        | 2.224           | 1.104357033 |
| 19/5/2018     | 13:39:10  | 0.047    | 62.41            | 18.42    | 0                | 0.039        | 2.224           | 1.104357033 |
| 19/5/2018     | 14:09:10  | 0.044    | 61.87            | 18.4     | 0                | 0.034        | 2.131           | 0.962772798 |
| 19/5/2018     | 14:39:10  | 0.043    | 61.28            | 18.39    | 0                | 0.032        | 2.1             | 0.906139104 |
| 19/5/2018     | 15:09:10  | 0.044    | 60.78            | 18.38    | 0                | 0.034        | 2.131           | 0.962772798 |
| 19/5/2018     | 15:39:10  | 0.043    | 60.29            | 18.37    | 0                | 0.032        | 2.1             | 0.906139104 |
| 19/5/2018     | 16:09:10  | 0.043    | 59.79            | 18.36    | 0                | 0.032        | 2.1             | 0.906139104 |
| 19/5/2018     | 16:39:10  | 0.042    | 59.38            | 18.36    | 0                | 0.031        | 2.068           | 0.877822257 |
| 19/5/2018     | 17:09:10  | 0.042    | 58.98            | 18.36    | 0                | 0.031        | 2.068           | 0.877822257 |
| 19/5/2018     | 17:39:10  | 0.04     | 58.61            | 18.36    | 0                | 0.028        | 2.005           | 0.792871716 |
| 19/5/2018     | 18:09:10  | 0.04     | 58.3             | 18.36    | 0                | 0.028        | 2.005           | 0.792871716 |
| 19/5/2018     | 18:39:10  | 0.039    | 58.03            | 18.35    | 0                | 0.026        | 1.972           | 0.736238022 |
| 19/5/2018     | 19:09:10  | 0.039    | 57.76            | 18.36    | 0                | 0.026        | 1.972           | 0.736238022 |
| 19/5/2018     | 19:39:10  | 0.038    | 57.44            | 18.36    | 0                | 0.025        | 1.939           | 0.707921175 |
| 19/5/2018     | 20:09:10  | 0.039    | 57.21            | 18.36    | 0                | 0.026        | 1.972           | 0.736238022 |
| 19/5/2018     | 20:39:10  | 0.038    | 56.99            | 18.36    | 0                | 0.025        | 1.939           | 0.707921175 |
| 19/5/2018     | 21:09:10  | 0.039    | 56.76            | 18.35    | 0                | 0.026        | 1.972           | 0.736238022 |
| 19/5/2018     | 21:39:10  | 0.039    | 56.54            | 18.36    | 0                | 0.026        | 1.972           | 0.736238022 |
| 19/5/2018     | 22:09:10  | 0.037    | 56.36            | 18.36    | 0                | 0.023        | 1.907           | 0.651287481 |
| 19/5/2018     | 22:39:10  | 0.038    | 56.22            | 18.35    | 0                | 0.025        | 1.939           | 0.707921175 |
| 19/5/2018     | 23:09:10  | 0.039    | 56.08            | 18.36    | 0                | 0.026        | 1.972           | 0.736238022 |
| 19/5/2018     | 23:39:10  | 0.036    | 55.99            | 18.37    | 0                | 0.022        | 1.873           | 0.622970634 |
| 20/5/2018     | 00:09:10  | 0.036    | 56.04            | 18.39    | 0                | 0.022        | 1.873           | 0.622970634 |
| 20/5/2018     | 00:39:10  | 0.038    | 56.08            | 18.4     | 0                | 0.025        | 1.939           | 0.707921175 |
| 20/5/2018     | 01:09:10  | 0.037    | 56.17            | 18.41    | 0                | 0.023        | 1.907           | 0.651287481 |
| 20/5/2018     | 01:39:10  | 0.038    | 56.31            | 18.43    | 0                | 0.025        | 1.939           | 0.707921175 |
| 20/5/2018     | 02:09:10  | 0.04     | 56.58            | 18.45    | 0                | 0.028        | 2.005           | 0.792871716 |
| 20/5/2018     | 02:39:10  | 0.04     | 56.81            | 18.45    | 0                | 0.028        | 2.005           | 0.792871716 |
| 20/5/2018     | 03:09:10  | 0.039    | 57.12            | 18.46    | 0                | 0.026        | 1.972           | 0.736238022 |
| 20/5/2018     | 03:39:10  | 0.041    | 57.3             | 18.45    | 0                | 0.029        | 2.037           | 0.821188563 |
| 20/5/2018     | 04:09:10  | 0.04     | 57.49            | 18.45    | 0                | 0.028        | 2.005           | 0.792871716 |
| 20/5/2018     | 04:39:10  | 0.041    | 57.76            | 18.44    | 0                | 0.029        | 2.037           | 0.821188563 |
| 20/5/2018     | 05:09:10  | 0.043    | 58.07            | 18.44    | 0                | 0.032        | 2.1             | 0.906139104 |
| 20/5/2018     | 05:39:10  | 0.043    | 58.34            | 18.44    | 0                | 0.032        | 2.1             | 0.906139104 |
| 20/5/2018     | 06:09:10  | 0.044    | 58.75            | 18.44    | 0                | 0.034        | 2.131           | 0.962772798 |
| 20/5/2018     | 06:39:10  | 0.045    | 59.16            | 18.44    | 0                | 0.035        | 2.162           | 0.991089645 |
| 20/5/2018     | 07:09:10  | 0.044    | 59.52            | 18.44    | 0                | 0.034        | 2.131           | 0.962772798 |
| 20/5/2018     | 07:39:10  | 0.046    | 59.74            | 18.44    | 0                | 0.037        | 2.193           | 1.047723339 |
| 20/5/2018     | 08:09:10  | 0.044    | 60.06            | 18.43    | 0                | 0.034        | 2.131           | 0.962772798 |
| 20/5/2018     | 08:39:10  | 0.045    | 60.29            | 18.43    | 0                | 0.035        | 2.162           | 0.991089645 |
| 20/5/2018     | 09:09:10  | 0.045    | 60.38            | 18.42    | 0                | 0.035        | 2.162           | 0.991089645 |
| 20/5/2018     | 09:39:10  | 0.045    | 60.47            | 18.42    | 0                | 0.035        | 2.162           | 0.991089645 |
| 20/5/2018     | 10:09:10  | 0.044    | 60.51            | 18.41    | 0                | 0.034        | 2.131           | 0.962772798 |
| 20/5/2018     | 10:39:10  | 0.046    | 60.6             | 18.4     | 0                | 0.037        | 2.193           | 1.047723339 |
| 20/5/2018     | 11:09:10  | 0.045    | 60.74            | 18.4     | 0                | 0.035        | 2.162           | 0.991089645 |
| 20/5/2018     | 11:39:10  | 0.045    | 60.74            | 18.4     | 0                | 0.035        | 2.162           | 0.991089645 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 20/5/2018     | 12:09:10  | 0.044    | 60.6             | 18.39    | 0                | 0.034        | 2.131           | 0.962772798 |
| 20/5/2018     | 12:39:10  | 0.043    | 60.42            | 18.39    | 0                | 0.032        | 2.1             | 0.906139104 |
| 20/5/2018     | 13:09:10  | 0.043    | 60.2             | 18.37    | 0                | 0.032        | 2.1             | 0.906139104 |
| 20/5/2018     | 13:39:10  | 0.043    | 59.97            | 18.37    | 0                | 0.032        | 2.1             | 0.906139104 |
| 20/5/2018     | 14:09:10  | 0.043    | 59.65            | 18.36    | 0                | 0.032        | 2.1             | 0.906139104 |
| 20/5/2018     | 14:39:10  | 0.042    | 59.43            | 18.35    | 0                | 0.031        | 2.068           | 0.877822257 |
| 20/5/2018     | 15:09:10  | 0.043    | 59.11            | 18.34    | 0                | 0.032        | 2.1             | 0.906139104 |
| 20/5/2018     | 15:39:10  | 0.041    | 58.89            | 18.33    | 0                | 0.029        | 2.037           | 0.821188563 |
| 20/5/2018     | 16:09:10  | 0.042    | 58.66            | 18.32    | 0                | 0.031        | 2.068           | 0.877822257 |
| 20/5/2018     | 16:39:10  | 0.04     | 58.39            | 18.32    | 0                | 0.028        | 2.005           | 0.792871716 |
| 20/5/2018     | 17:09:10  | 0.041    | 58.16            | 18.32    | 0                | 0.029        | 2.037           | 0.821188563 |
| 20/5/2018     | 17:39:10  | 0.04     | 57.98            | 18.32    | 0                | 0.028        | 2.005           | 0.792871716 |
| 20/5/2018     | 18:09:10  | 0.039    | 57.76            | 18.32    | 0                | 0.026        | 1.972           | 0.736238022 |
| 20/5/2018     | 18:39:10  | 0.04     | 57.53            | 18.31    | 0                | 0.028        | 2.005           | 0.792871716 |
| 20/5/2018     | 19:09:10  | 0.04     | 57.35            | 18.31    | 0                | 0.028        | 2.005           | 0.792871716 |
| 20/5/2018     | 19:39:10  | 0.04     | 57.21            | 18.31    | 0                | 0.028        | 2.005           | 0.792871716 |
| 20/5/2018     | 20:09:10  | 0.04     | 57.12            | 18.31    | 0                | 0.028        | 2.005           | 0.792871716 |
| 20/5/2018     | 20:39:10  | 0.04     | 56.94            | 18.31    | 0                | 0.028        | 2.005           | 0.792871716 |
| 20/5/2018     | 21:09:10  | 0.039    | 56.85            | 18.3     | 0                | 0.026        | 1.972           | 0.736238022 |
| 20/5/2018     | 21:39:10  | 0.039    | 56.72            | 18.3     | 0                | 0.026        | 1.972           | 0.736238022 |
| 20/5/2018     | 22:09:10  | 0.04     | 56.58            | 18.3     | 0                | 0.028        | 2.005           | 0.792871716 |
| 20/5/2018     | 22:39:10  | 0.04     | 56.45            | 18.29    | 0                | 0.028        | 2.005           | 0.792871716 |
| 20/5/2018     | 23:09:10  | 0.04     | 56.36            | 18.29    | 0                | 0.028        | 2.005           | 0.792871716 |
| 20/5/2018     | 23:39:10  | 0.039    | 56.31            | 18.3     | 0                | 0.026        | 1.972           | 0.736238022 |
| 21/5/2018     | 00:09:10  | 0.04     | 56.4             | 18.31    | 0                | 0.028        | 2.005           | 0.792871716 |
| 21/5/2018     | 00:39:10  | 0.042    | 56.45            | 18.32    | 0                | 0.031        | 2.068           | 0.877822257 |
| 21/5/2018     | 01:09:10  | 0.041    | 56.54            | 18.32    | 0                | 0.029        | 2.037           | 0.821188563 |
| 21/5/2018     | 01:39:10  | 0.043    | 56.67            | 18.34    | 0                | 0.032        | 2.1             | 0.906139104 |
| 21/5/2018     | 02:09:10  | 0.044    | 56.94            | 18.36    | 0                | 0.034        | 2.131           | 0.962772798 |
| 21/5/2018     | 02:39:10  | 0.044    | 57.21            | 18.37    | 0                | 0.034        | 2.131           | 0.962772798 |
| 21/5/2018     | 03:09:10  | 0.046    | 57.67            | 18.39    | 0                | 0.037        | 2.193           | 1.047723339 |
| 21/5/2018     | 03:39:10  | 0.047    | 58.21            | 18.39    | 0                | 0.039        | 2.224           | 1.104357033 |
| 21/5/2018     | 04:09:10  | 0.047    | 58.75            | 18.39    | 0                | 0.039        | 2.224           | 1.104357033 |
| 21/5/2018     | 04:39:10  | 0.049    | 59.29            | 18.39    | 0                | 0.042        | 2.284           | 1.189307574 |
| 21/5/2018     | 05:09:10  | 0.049    | 59.93            | 18.39    | 0                | 0.042        | 2.284           | 1.189307574 |
| 21/5/2018     | 05:39:10  | 0.051    | 60.6             | 18.39    | 0                | 0.046        | 2.344           | 1.302574962 |
| 21/5/2018     | 06:09:10  | 0.053    | 61.15            | 18.39    | 0                | 0.05         | 2.403           | 1.41584235  |
| 21/5/2018     | 06:39:10  | 0.05     | 61.69            | 18.38    | 0                | 0.044        | 2.314           | 1.245941268 |
| 21/5/2018     | 07:09:10  | 0.052    | 62.18            | 18.37    | 0                | 0.048        | 2.373           | 1.359208656 |
| 21/5/2018     | 07:39:10  | 0.05     | 62.77            | 18.37    | 0                | 0.044        | 2.314           | 1.245941268 |
| 21/5/2018     | 08:09:10  | 0.049    | 63.36            | 18.37    | 0                | 0.042        | 2.284           | 1.189307574 |
| 21/5/2018     | 08:39:10  | 0.052    | 63.72            | 18.37    | 0                | 0.048        | 2.373           | 1.359208656 |
| 21/5/2018     | 09:09:10  | 0.051    | 63.99            | 18.36    | 0                | 0.046        | 2.344           | 1.302574962 |
| 21/5/2018     | 09:39:10  | 0.051    | 63.9             | 18.35    | 0                | 0.046        | 2.344           | 1.302574962 |
| 21/5/2018     | 10:09:10  | 0.05     | 63.86            | 18.33    | 0                | 0.044        | 2.314           | 1.245941268 |
| 21/5/2018     | 10:39:10  | 0.048    | 63.59            | 18.32    | 0                | 0.04         | 2.254           | 1.13267388  |
| 21/5/2018     | 11:09:10  | 0.048    | 63.13            | 18.31    | 0                | 0.04         | 2.254           | 1.13267388  |
| 21/5/2018     | 11:39:10  | 0.049    | 62.77            | 18.31    | 0                | 0.042        | 2.284           | 1.189307574 |
| 21/5/2018     | 12:09:10  | 0.046    | 62.32            | 18.29    | 0                | 0.037        | 2.193           | 1.047723339 |
| 21/5/2018     | 12:39:10  | 0.045    | 61.91            | 18.29    | 0                | 0.035        | 2.162           | 0.991089645 |
| 21/5/2018     | 13:09:10  | 0.044    | 61.42            | 18.28    | 0                | 0.034        | 2.131           | 0.962772798 |
| 21/5/2018     | 13:39:10  | 0.045    | 60.96            | 18.27    | 0                | 0.035        | 2.162           | 0.991089645 |
| 21/5/2018     | 14:09:10  | 0.042    | 60.51            | 18.26    | 0                | 0.031        | 2.068           | 0.877822257 |
| 21/5/2018     | 14:39:10  | 0.042    | 60.06            | 18.26    | 0                | 0.031        | 2.068           | 0.877822257 |
| 21/5/2018     | 15:09:10  | 0.047    | 59.7             | 18.24    | 0                | 0.039        | 2.224           | 1.104357033 |
| 21/5/2018     | 15:39:10  | 0.042    | 59.29            | 18.24    | 0                | 0.031        | 2.068           | 0.877822257 |
| 21/5/2018     | 16:09:10  | 0.042    | 59.02            | 18.24    | 0                | 0.031        | 2.068           | 0.877822257 |
| 21/5/2018     | 16:39:10  | 0.039    | 58.75            | 18.25    | 0                | 0.026        | 1.972           | 0.736238022 |
| 21/5/2018     | 17:09:10  | 0.042    | 58.52            | 18.24    | 0                | 0.031        | 2.068           | 0.877822257 |
| 21/5/2018     | 17:39:10  | 0.042    | 58.3             | 18.24    | 0                | 0.031        | 2.068           | 0.877822257 |
| 21/5/2018     | 18:09:10  | 0.041    | 58.12            | 18.24    | 0                | 0.029        | 2.037           | 0.821188563 |
| 21/5/2018     | 18:39:10  | 0.041    | 57.94            | 18.25    | 0                | 0.029        | 2.037           | 0.821188563 |
| 21/5/2018     | 19:09:10  | 0.041    | 57.8             | 18.24    | 0                | 0.029        | 2.037           | 0.821188563 |
| 21/5/2018     | 19:39:10  | 0.042    | 57.58            | 18.24    | 0                | 0.031        | 2.068           | 0.877822257 |
| 21/5/2018     | 20:09:10  | 0.041    | 57.44            | 18.24    | 0                | 0.029        | 2.037           | 0.821188563 |
| 21/5/2018     | 20:39:10  | 0.044    | 57.3             | 18.24    | 0                | 0.034        | 2.131           | 0.962772798 |
| 21/5/2018     | 21:09:10  | 0.039    | 57.12            | 18.24    | 0                | 0.026        | 1.972           | 0.736238022 |
| 21/5/2018     | 21:39:10  | 0.041    | 57.03            | 18.24    | 0                | 0.029        | 2.037           | 0.821188563 |
| 21/5/2018     | 22:09:10  | 0.039    | 56.85            | 18.24    | 0                | 0.026        | 1.972           | 0.736238022 |
| 21/5/2018     | 22:39:10  | 0.04     | 56.76            | 18.24    | 0                | 0.028        | 2.005           | 0.792871716 |
| 21/5/2018     | 23:09:10  | 0.036    | 56.67            | 18.24    | 0                | 0.022        | 1.873           | 0.622970634 |
| 21/5/2018     | 23:39:10  | 0.042    | 56.54            | 18.23    | 0                | 0.031        | 2.068           | 0.877822257 |



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 22/5/2018     | 00:09:10  | 0.041    | 56.49            | 18.24    | 0                | 0.029        | 2.037           | 0.821188563 |
| 22/5/2018     | 00:39:10  | 0.039    | 56.49            | 18.23    | 0                | 0.026        | 1.972           | 0.736238022 |
| 22/5/2018     | 01:09:10  | 0.037    | 56.45            | 18.24    | 0                | 0.023        | 1.907           | 0.651287481 |
| 22/5/2018     | 01:39:10  | 0.036    | 56.67            | 18.25    | 0                | 0.022        | 1.873           | 0.622970634 |
| 22/5/2018     | 02:09:10  | 0.037    | 56.99            | 18.28    | 0                | 0.023        | 1.907           | 0.651287481 |
| 22/5/2018     | 02:39:10  | 0.037    | 57.53            | 18.3     | 0                | 0.023        | 1.907           | 0.651287481 |
| 22/5/2018     | 03:09:10  | 0.044    | 58.07            | 18.31    | 0                | 0.034        | 2.131           | 0.962772798 |
| 22/5/2018     | 03:39:10  | 0.046    | 58.71            | 18.32    | 0                | 0.037        | 2.193           | 1.047723339 |
| 22/5/2018     | 04:09:10  | 0.046    | 59.47            | 18.32    | 0                | 0.037        | 2.193           | 1.047723339 |
| 22/5/2018     | 04:39:10  | 0.046    | 60.29            | 18.32    | 0                | 0.037        | 2.193           | 1.047723339 |
| 22/5/2018     | 05:09:10  | 0.046    | 61.1             | 18.32    | 0                | 0.037        | 2.193           | 1.047723339 |
| 22/5/2018     | 05:39:10  | 0.047    | 61.91            | 18.32    | 0                | 0.039        | 2.224           | 1.104357033 |
| 22/5/2018     | 06:09:10  | 0.047    | 62.5             | 18.32    | 0                | 0.039        | 2.224           | 1.104357033 |
| 22/5/2018     | 06:39:10  | 0.047    | 63.18            | 18.31    | 0                | 0.039        | 2.224           | 1.104357033 |
| 22/5/2018     | 07:09:10  | 0.049    | 63.81            | 18.31    | 0                | 0.042        | 2.284           | 1.189307574 |
| 22/5/2018     | 07:39:10  | 0.05     | 64.26            | 18.31    | 0                | 0.044        | 2.314           | 1.245941268 |
| 22/5/2018     | 08:09:10  | 0.049    | 64.49            | 18.3     | 0                | 0.042        | 2.284           | 1.189307574 |
| 22/5/2018     | 08:39:10  | 0.05     | 64.71            | 18.29    | 0                | 0.044        | 2.314           | 1.245941268 |
| 22/5/2018     | 09:09:10  | 0.05     | 64.67            | 18.28    | 0                | 0.044        | 2.314           | 1.245941268 |
| 22/5/2018     | 09:39:10  | 0.051    | 64.81            | 18.27    | 0                | 0.046        | 2.344           | 1.302574962 |
| 22/5/2018     | 10:09:10  | 0.05     | 64.71            | 18.25    | 0                | 0.044        | 2.314           | 1.245941268 |
| 22/5/2018     | 10:39:10  | 0.051    | 64.58            | 18.24    | 0                | 0.046        | 2.344           | 1.302574962 |
| 22/5/2018     | 11:09:10  | 0.051    | 64.4             | 18.23    | 0                | 0.046        | 2.344           | 1.302574962 |
| 22/5/2018     | 11:39:10  | 0.05     | 64.08            | 18.23    | 0                | 0.044        | 2.314           | 1.245941268 |
| 22/5/2018     | 12:09:10  | 0.049    | 63.63            | 18.23    | 0                | 0.042        | 2.284           | 1.189307574 |
| 22/5/2018     | 12:39:10  | 0.051    | 63.27            | 18.21    | 0                | 0.046        | 2.344           | 1.302574962 |
| 22/5/2018     | 13:09:10  | 0.049    | 62.77            | 18.21    | 0                | 0.042        | 2.284           | 1.189307574 |
| 22/5/2018     | 13:39:10  | 0.048    | 62.41            | 18.21    | 0                | 0.04         | 2.254           | 1.13267388  |
| 22/5/2018     | 14:09:10  | 0.048    | 61.96            | 18.2     | 0                | 0.04         | 2.254           | 1.13267388  |
| 22/5/2018     | 14:39:10  | 0.049    | 61.55            | 18.18    | 0                | 0.042        | 2.284           | 1.189307574 |
| 22/5/2018     | 15:09:10  | 0.048    | 61.19            | 18.18    | 0                | 0.04         | 2.254           | 1.13267388  |
| 22/5/2018     | 15:39:10  | 0.051    | 60.83            | 18.17    | 0                | 0.046        | 2.344           | 1.302574962 |
| 22/5/2018     | 16:09:10  | 0.049    | 60.47            | 18.17    | 0                | 0.042        | 2.284           | 1.189307574 |
| 22/5/2018     | 16:39:10  | 0.05     | 60.15            | 18.16    | 0                | 0.044        | 2.314           | 1.245941268 |
| 22/5/2018     | 17:09:10  | 0.05     | 59.79            | 18.15    | 0                | 0.044        | 2.314           | 1.245941268 |
| 22/5/2018     | 17:39:10  | 0.051    | 59.47            | 18.15    | 0                | 0.046        | 2.344           | 1.302574962 |
| 22/5/2018     | 18:09:10  | 0.05     | 59.2             | 18.15    | 0                | 0.044        | 2.314           | 1.245941268 |
| 22/5/2018     | 18:39:10  | 0.05     | 58.98            | 18.15    | 0                | 0.044        | 2.314           | 1.245941268 |
| 22/5/2018     | 19:09:10  | 0.051    | 58.75            | 18.15    | 0                | 0.046        | 2.344           | 1.302574962 |
| 22/5/2018     | 19:39:10  | 0.05     | 58.52            | 18.15    | 0                | 0.044        | 2.314           | 1.245941268 |
| 22/5/2018     | 20:09:10  | 0.051    | 58.34            | 18.15    | 0                | 0.046        | 2.344           | 1.302574962 |
| 22/5/2018     | 20:39:10  | 0.05     | 58.12            | 18.14    | 0                | 0.044        | 2.314           | 1.245941268 |
| 22/5/2018     | 21:09:10  | 0.05     | 57.89            | 18.14    | 0                | 0.044        | 2.314           | 1.245941268 |
| 22/5/2018     | 21:39:10  | 0.052    | 57.71            | 18.13    | 0                | 0.048        | 2.373           | 1.359208656 |
| 22/5/2018     | 22:09:10  | 0.05     | 57.49            | 18.13    | 0                | 0.044        | 2.314           | 1.245941268 |
| 22/5/2018     | 22:39:10  | 0.05     | 57.35            | 18.12    | 0                | 0.044        | 2.314           | 1.245941268 |
| 22/5/2018     | 23:09:10  | 0.05     | 57.21            | 18.13    | 0                | 0.044        | 2.314           | 1.245941268 |
| 22/5/2018     | 23:39:10  | 0.049    | 57.21            | 18.13    | 0                | 0.042        | 2.284           | 1.189307574 |
| 23/5/2018     | 00:09:10  | 0.051    | 57.3             | 18.14    | 0                | 0.046        | 2.344           | 1.302574962 |
| 23/5/2018     | 00:39:10  | 0.052    | 57.58            | 18.16    | 0                | 0.048        | 2.373           | 1.359208656 |
| 23/5/2018     | 01:09:10  | 0.051    | 57.94            | 18.2     | 0                | 0.046        | 2.344           | 1.302574962 |
| 23/5/2018     | 01:39:10  | 0.053    | 58.34            | 18.24    | 0                | 0.05         | 2.403           | 1.41584235  |
| 23/5/2018     | 02:09:10  | 0.053    | 58.93            | 18.27    | 0                | 0.05         | 2.403           | 1.41584235  |
| 23/5/2018     | 02:39:10  | 0.054    | 59.43            | 18.29    | 0                | 0.052        | 2.432           | 1.472476044 |
| 23/5/2018     | 03:09:10  | 0.058    | 60.11            | 18.29    | 0                | 0.06         | 2.547           | 1.69901082  |
| 23/5/2018     | 03:39:10  | 0.057    | 60.74            | 18.28    | 0                | 0.058        | 2.518           | 1.642377126 |
| 23/5/2018     | 04:09:10  | 0.057    | 61.55            | 18.28    | 0                | 0.058        | 2.518           | 1.642377126 |
| 23/5/2018     | 04:39:10  | 0.057    | 62.23            | 18.27    | 0                | 0.058        | 2.518           | 1.642377126 |
| 23/5/2018     | 05:09:10  | 0.057    | 62.95            | 18.27    | 0                | 0.058        | 2.518           | 1.642377126 |
| 23/5/2018     | 05:39:10  | 0.058    | 63.63            | 18.27    | 0                | 0.06         | 2.547           | 1.69901082  |
| 23/5/2018     | 06:09:10  | 0.063    | 64.31            | 18.27    | 0                | 0.072        | 2.686           | 2.038812984 |
| 23/5/2018     | 06:39:10  | 0.062    | 64.9             | 18.26    | 0                | 0.069        | 2.658           | 1.953862443 |
| 23/5/2018     | 07:09:10  | 0.062    | 65.48            | 18.25    | 0                | 0.069        | 2.658           | 1.953862443 |
| 23/5/2018     | 07:39:10  | 0.061    | 66.03            | 18.25    | 0                | 0.067        | 2.631           | 1.897228749 |
| 23/5/2018     | 08:09:10  | 0.062    | 66.57            | 18.25    | 0                | 0.069        | 2.658           | 1.953862443 |
| 23/5/2018     | 08:39:10  | 0.063    | 66.97            | 18.24    | 0                | 0.072        | 2.686           | 2.038812984 |
| 23/5/2018     | 09:09:10  | 0.063    | 67.29            | 18.24    | 0                | 0.072        | 2.686           | 2.038812984 |
| 23/5/2018     | 09:39:10  | 0.063    | 67.47            | 18.22    | 0                | 0.072        | 2.686           | 2.038812984 |
| 23/5/2018     | 10:09:10  | 0.061    | 67.52            | 18.2     | 0                | 0.067        | 2.631           | 1.897228749 |
| 23/5/2018     | 10:39:10  | 0.062    | 67.52            | 18.19    | 0                | 0.069        | 2.658           | 1.953862443 |
| 23/5/2018     | 11:09:10  | 0.062    | 67.25            | 18.18    | 0                | 0.069        | 2.658           | 1.953862443 |
| 23/5/2018     | 11:39:10  | 0.059    | 66.93            | 18.18    | 0                | 0.062        | 2.575           | 1.755644514 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 23/5/2018     | 12:09:10  | 0.058    | 66.57            | 18.17    | 0                | 0.06         | 2.547           | 1.69901082  |
| 23/5/2018     | 12:39:10  | 0.059    | 66.12            | 18.16    | 0                | 0.062        | 2.575           | 1.755644514 |
| 23/5/2018     | 13:09:10  | 0.057    | 65.71            | 18.15    | 0                | 0.058        | 2.518           | 1.642377126 |
| 23/5/2018     | 13:39:10  | 0.055    | 65.21            | 18.15    | 0                | 0.054        | 2.461           | 1.529109738 |
| 23/5/2018     | 14:09:10  | 0.054    | 64.71            | 18.13    | 0                | 0.052        | 2.432           | 1.472476044 |
| 23/5/2018     | 14:39:10  | 0.054    | 64.22            | 18.12    | 0                | 0.052        | 2.432           | 1.472476044 |
| 23/5/2018     | 15:09:10  | 0.053    | 63.68            | 18.11    | 0                | 0.05         | 2.403           | 1.41584235  |
| 23/5/2018     | 15:39:10  | 0.052    | 63.18            | 18.1     | 0                | 0.048        | 2.373           | 1.359208656 |
| 23/5/2018     | 16:09:10  | 0.052    | 62.73            | 18.09    | 0                | 0.048        | 2.373           | 1.359208656 |
| 23/5/2018     | 16:39:10  | 0.052    | 62.32            | 18.08    | 0                | 0.048        | 2.373           | 1.359208656 |
| 23/5/2018     | 17:09:10  | 0.051    | 61.91            | 18.08    | 0                | 0.046        | 2.344           | 1.302574962 |
| 23/5/2018     | 17:39:10  | 0.051    | 61.55            | 18.08    | 0                | 0.046        | 2.344           | 1.302574962 |
| 23/5/2018     | 18:09:10  | 0.05     | 61.33            | 18.08    | 0                | 0.044        | 2.314           | 1.245941268 |
| 23/5/2018     | 18:39:10  | 0.049    | 61.1             | 18.09    | 0                | 0.042        | 2.284           | 1.189307574 |
| 23/5/2018     | 19:09:10  | 0.05     | 60.92            | 18.1     | 0                | 0.044        | 2.314           | 1.245941268 |
| 23/5/2018     | 19:39:10  | 0.048    | 60.78            | 18.1     | 0                | 0.04         | 2.254           | 1.13267388  |
| 23/5/2018     | 20:09:10  | 0.049    | 60.65            | 18.1     | 0                | 0.042        | 2.284           | 1.189307574 |
| 23/5/2018     | 20:39:10  | 0.048    | 60.47            | 18.11    | 0                | 0.04         | 2.254           | 1.13267388  |
| 23/5/2018     | 21:09:10  | 0.048    | 60.29            | 18.1     | 0                | 0.04         | 2.254           | 1.13267388  |
| 23/5/2018     | 21:39:10  | 0.048    | 60.15            | 18.1     | 0                | 0.04         | 2.254           | 1.13267388  |
| 23/5/2018     | 22:09:10  | 0.048    | 60.06            | 18.1     | 0                | 0.04         | 2.254           | 1.13267388  |
| 23/5/2018     | 22:39:10  | 0.048    | 59.88            | 18.1     | 0                | 0.04         | 2.254           | 1.13267388  |
| 23/5/2018     | 23:09:10  | 0.048    | 59.79            | 18.11    | 0                | 0.04         | 2.254           | 1.13267388  |
| 23/5/2018     | 23:39:10  | 0.052    | 59.79            | 18.11    | 0                | 0.048        | 2.373           | 1.359208656 |
| 24/5/2018     | 00:09:10  | 0.05     | 59.7             | 18.11    | 0                | 0.044        | 2.314           | 1.245941268 |
| 24/5/2018     | 00:39:10  | 0.052    | 59.7             | 18.12    | 0                | 0.048        | 2.373           | 1.359208656 |
| 24/5/2018     | 01:09:10  | 0.05     | 59.7             | 18.12    | 0                | 0.044        | 2.314           | 1.245941268 |
| 24/5/2018     | 01:39:10  | 0.049    | 59.65            | 18.12    | 0                | 0.042        | 2.284           | 1.189307574 |
| 24/5/2018     | 02:09:10  | 0.051    | 59.61            | 18.12    | 0                | 0.046        | 2.344           | 1.302574962 |
| 24/5/2018     | 02:39:10  | 0.05     | 59.56            | 18.12    | 0                | 0.044        | 2.314           | 1.245941268 |
| 24/5/2018     | 03:09:10  | 0.052    | 59.52            | 18.12    | 0                | 0.048        | 2.373           | 1.359208656 |
| 24/5/2018     | 03:39:10  | 0.05     | 59.47            | 18.11    | 0                | 0.044        | 2.314           | 1.245941268 |
| 24/5/2018     | 04:09:10  | 0.05     | 59.43            | 18.11    | 0                | 0.044        | 2.314           | 1.245941268 |
| 24/5/2018     | 04:39:10  | 0.049    | 59.52            | 18.12    | 0                | 0.042        | 2.284           | 1.189307574 |
| 24/5/2018     | 05:09:10  | 0.05     | 59.65            | 18.13    | 0                | 0.044        | 2.314           | 1.245941268 |
| 24/5/2018     | 05:39:10  | 0.051    | 59.88            | 18.13    | 0                | 0.046        | 2.344           | 1.302574962 |
| 24/5/2018     | 06:09:10  | 0.051    | 60.15            | 18.15    | 0                | 0.046        | 2.344           | 1.302574962 |
| 24/5/2018     | 06:39:10  | 0.051    | 60.42            | 18.15    | 0                | 0.046        | 2.344           | 1.302574962 |
| 24/5/2018     | 07:09:10  | 0.052    | 60.78            | 18.15    | 0                | 0.048        | 2.373           | 1.359208656 |
| 24/5/2018     | 07:39:10  | 0.052    | 61.15            | 18.15    | 0                | 0.048        | 2.373           | 1.359208656 |
| 24/5/2018     | 08:09:10  | 0.051    | 61.51            | 18.15    | 0                | 0.046        | 2.344           | 1.302574962 |
| 24/5/2018     | 08:39:10  | 0.051    | 61.73            | 18.15    | 0                | 0.046        | 2.344           | 1.302574962 |
| 24/5/2018     | 09:09:10  | 0.051    | 61.87            | 18.14    | 0                | 0.046        | 2.344           | 1.302574962 |
| 24/5/2018     | 09:39:10  | 0.051    | 61.87            | 18.13    | 0                | 0.046        | 2.344           | 1.302574962 |
| 24/5/2018     | 10:09:10  | 0.051    | 61.87            | 18.13    | 0                | 0.046        | 2.344           | 1.302574962 |
| 24/5/2018     | 10:39:10  | 0.051    | 61.96            | 18.12    | 0                | 0.046        | 2.344           | 1.302574962 |
| 24/5/2018     | 11:09:10  | 0.051    | 62.05            | 18.12    | 0                | 0.046        | 2.344           | 1.302574962 |
| 24/5/2018     | 11:39:10  | 0.05     | 62               | 18.11    | 0                | 0.044        | 2.314           | 1.245941268 |
| 24/5/2018     | 12:09:10  | 0.05     | 61.91            | 18.1     | 0                | 0.044        | 2.314           | 1.245941268 |
| 24/5/2018     | 12:39:10  | 0.051    | 61.78            | 18.1     | 0                | 0.046        | 2.344           | 1.302574962 |
| 24/5/2018     | 13:09:10  | 0.049    | 61.6             | 18.08    | 0                | 0.042        | 2.284           | 1.189307574 |
| 24/5/2018     | 13:39:10  | 0.049    | 61.42            | 18.08    | 0                | 0.042        | 2.284           | 1.189307574 |
| 24/5/2018     | 14:09:10  | 0.049    | 61.24            | 18.08    | 0                | 0.042        | 2.284           | 1.189307574 |
| 24/5/2018     | 14:39:10  | 0.049    | 61.05            | 18.08    | 0                | 0.042        | 2.284           | 1.189307574 |
| 24/5/2018     | 15:09:10  | 0.049    | 60.87            | 18.07    | 0                | 0.042        | 2.284           | 1.189307574 |
| 24/5/2018     | 15:39:10  | 0.049    | 60.69            | 18.07    | 0                | 0.042        | 2.284           | 1.189307574 |
| 24/5/2018     | 16:09:10  | 0.047    | 60.51            | 18.07    | 0                | 0.039        | 2.224           | 1.104357033 |
| 24/5/2018     | 16:39:10  | 0.048    | 60.42            | 18.06    | 0                | 0.04         | 2.254           | 1.13267388  |
| 24/5/2018     | 17:09:10  | 0.047    | 60.33            | 18.06    | 0                | 0.039        | 2.224           | 1.104357033 |
| 24/5/2018     | 17:39:10  | 0.047    | 60.24            | 18.06    | 0                | 0.039        | 2.224           | 1.104357033 |
| 24/5/2018     | 18:09:10  | 0.047    | 60.11            | 18.06    | 0                | 0.039        | 2.224           | 1.104357033 |
| 24/5/2018     | 18:39:10  | 0.049    | 60.02            | 18.06    | 0                | 0.042        | 2.284           | 1.189307574 |
| 24/5/2018     | 19:09:10  | 0.048    | 59.93            | 18.06    | 0                | 0.04         | 2.254           | 1.13267388  |
| 24/5/2018     | 19:39:10  | 0.048    | 59.79            | 18.05    | 0                | 0.04         | 2.254           | 1.13267388  |
| 24/5/2018     | 20:09:10  | 0.047    | 59.7             | 18.05    | 0                | 0.039        | 2.224           | 1.104357033 |
| 24/5/2018     | 20:39:10  | 0.047    | 59.56            | 18.05    | 0                | 0.039        | 2.224           | 1.104357033 |
| 24/5/2018     | 21:09:10  | 0.047    | 59.47            | 18.05    | 0                | 0.039        | 2.224           | 1.104357033 |
| 24/5/2018     | 21:39:10  | 0.048    | 59.43            | 18.05    | 0                | 0.04         | 2.254           | 1.13267388  |
| 24/5/2018     | 22:09:10  | 0.047    | 59.29            | 18.05    | 0                | 0.039        | 2.224           | 1.104357033 |
| 24/5/2018     | 22:39:10  | 0.047    | 59.25            | 18.05    | 0                | 0.039        | 2.224           | 1.104357033 |
| 24/5/2018     | 23:09:10  | 0.047    | 59.2             | 18.05    | 0                | 0.039        | 2.224           | 1.104357033 |
| 24/5/2018     | 23:39:10  | 0.049    | 59.16            | 18.05    | 0                | 0.042        | 2.284           | 1.189307574 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 25/5/2018     | 00:09:10  | 0.048    | 59.2             | 18.05    | 0                | 0.04         | 2.254           | 1.13267388  |
| 25/5/2018     | 00:39:10  | 0.047    | 59.2             | 18.05    | 0                | 0.039        | 2.224           | 1.104357033 |
| 25/5/2018     | 01:09:10  | 0.048    | 59.2             | 18.05    | 0                | 0.04         | 2.254           | 1.13267388  |
| 25/5/2018     | 01:39:10  | 0.05     | 59.2             | 18.06    | 0                | 0.044        | 2.314           | 1.245941268 |
| 25/5/2018     | 02:09:10  | 0.049    | 59.16            | 18.06    | 0                | 0.042        | 2.284           | 1.189307574 |
| 25/5/2018     | 02:39:10  | 0.048    | 59.11            | 18.05    | 0                | 0.04         | 2.254           | 1.13267388  |
| 25/5/2018     | 03:09:10  | 0.048    | 59.16            | 18.05    | 0                | 0.04         | 2.254           | 1.13267388  |
| 25/5/2018     | 03:39:10  | 0.05     | 59.25            | 18.05    | 0                | 0.044        | 2.314           | 1.245941268 |
| 25/5/2018     | 04:09:10  | 0.05     | 59.38            | 18.06    | 0                | 0.044        | 2.314           | 1.245941268 |
| 25/5/2018     | 04:39:10  | 0.051    | 59.65            | 18.08    | 0                | 0.046        | 2.344           | 1.302574962 |
| 25/5/2018     | 05:09:10  | 0.051    | 59.93            | 18.08    | 0                | 0.046        | 2.344           | 1.302574962 |
| 25/5/2018     | 05:39:10  | 0.052    | 60.15            | 18.07    | 0                | 0.048        | 2.373           | 1.359208656 |
| 25/5/2018     | 06:09:10  | 0.052    | 60.42            | 18.07    | 0                | 0.048        | 2.373           | 1.359208656 |
| 25/5/2018     | 06:39:10  | 0.052    | 60.6             | 18.07    | 0                | 0.048        | 2.373           | 1.359208656 |
| 25/5/2018     | 07:09:10  | 0.054    | 60.92            | 18.07    | 0                | 0.052        | 2.432           | 1.472476044 |
| 25/5/2018     | 07:39:10  | 0.052    | 61.05            | 18.07    | 0                | 0.048        | 2.373           | 1.359208656 |
| 25/5/2018     | 08:09:10  | 0.052    | 61.1             | 18.06    | 0                | 0.048        | 2.373           | 1.359208656 |
| 25/5/2018     | 08:39:10  | 0.053    | 61.15            | 18.05    | 0                | 0.05         | 2.403           | 1.41584235  |
| 25/5/2018     | 09:09:10  | 0.053    | 61.05            | 18.04    | 0                | 0.05         | 2.403           | 1.41584235  |
| 25/5/2018     | 09:39:10  | 0.052    | 60.96            | 18.04    | 0                | 0.048        | 2.373           | 1.359208656 |
| 25/5/2018     | 10:09:10  | 0.052    | 60.87            | 18.03    | 0                | 0.048        | 2.373           | 1.359208656 |
| 25/5/2018     | 10:39:10  | 0.051    | 60.69            | 18.02    | 0                | 0.046        | 2.344           | 1.302574962 |
| 25/5/2018     | 11:09:10  | 0.051    | 60.56            | 18.02    | 0                | 0.046        | 2.344           | 1.302574962 |
| 25/5/2018     | 11:39:10  | 0.051    | 60.42            | 18.02    | 0                | 0.046        | 2.344           | 1.302574962 |
| 25/5/2018     | 12:09:10  | 0.051    | 60.24            | 18.02    | 0                | 0.046        | 2.344           | 1.302574962 |
| 25/5/2018     | 12:39:10  | 0.051    | 60.11            | 18.01    | 0                | 0.046        | 2.344           | 1.302574962 |
| 25/5/2018     | 13:09:10  | 0.05     | 60.02            | 18.01    | 0                | 0.044        | 2.314           | 1.245941268 |
| 25/5/2018     | 13:39:10  | 0.052    | 59.88            | 18.01    | 0                | 0.048        | 2.373           | 1.359208656 |
| 25/5/2018     | 14:09:10  | 0.05     | 59.74            | 18       | 0                | 0.044        | 2.314           | 1.245941268 |
| 25/5/2018     | 14:39:10  | 0.05     | 59.65            | 18.01    | 0                | 0.044        | 2.314           | 1.245941268 |
| 25/5/2018     | 15:09:10  | 0.05     | 59.56            | 18       | 0                | 0.044        | 2.314           | 1.245941268 |
| 25/5/2018     | 15:39:10  | 0.049    | 59.47            | 18       | 0                | 0.042        | 2.284           | 1.189307574 |
| 25/5/2018     | 16:09:10  | 0.051    | 59.38            | 18       | 0                | 0.046        | 2.344           | 1.302574962 |
| 25/5/2018     | 16:39:10  | 0.05     | 59.34            | 18       | 0                | 0.044        | 2.314           | 1.245941268 |
| 25/5/2018     | 17:09:10  | 0.051    | 59.29            | 18       | 0                | 0.046        | 2.344           | 1.302574962 |
| 25/5/2018     | 17:39:10  | 0.051    | 59.2             | 18       | 0                | 0.046        | 2.344           | 1.302574962 |
| 25/5/2018     | 18:09:10  | 0.05     | 59.16            | 18       | 0                | 0.044        | 2.314           | 1.245941268 |
| 25/5/2018     | 18:39:10  | 0.05     | 59.11            | 18       | 0                | 0.044        | 2.314           | 1.245941268 |
| 25/5/2018     | 19:09:10  | 0.05     | 59.02            | 18       | 0                | 0.044        | 2.314           | 1.245941268 |
| 25/5/2018     | 19:39:10  | 0.051    | 58.93            | 18       | 0                | 0.046        | 2.344           | 1.302574962 |
| 25/5/2018     | 20:09:10  | 0.051    | 58.84            | 17.99    | 0                | 0.046        | 2.344           | 1.302574962 |
| 25/5/2018     | 20:39:10  | 0.051    | 58.75            | 17.98    | 0                | 0.046        | 2.344           | 1.302574962 |
| 25/5/2018     | 21:09:10  | 0.051    | 58.57            | 17.98    | 0                | 0.046        | 2.344           | 1.302574962 |
| 25/5/2018     | 21:39:10  | 0.051    | 58.48            | 17.97    | 0                | 0.046        | 2.344           | 1.302574962 |
| 25/5/2018     | 22:09:10  | 0.05     | 58.34            | 17.96    | 0                | 0.044        | 2.314           | 1.245941268 |
| 25/5/2018     | 22:39:10  | 0.05     | 58.21            | 17.96    | 0                | 0.044        | 2.314           | 1.245941268 |
| 25/5/2018     | 23:09:10  | 0.05     | 58.16            | 17.96    | 0                | 0.044        | 2.314           | 1.245941268 |
| 25/5/2018     | 23:39:10  | 0.051    | 58.16            | 17.97    | 0                | 0.046        | 2.344           | 1.302574962 |
| 26/5/2018     | 00:09:10  | 0.05     | 58.3             | 17.97    | 0                | 0.044        | 2.314           | 1.245941268 |
| 26/5/2018     | 00:39:10  | 0.052    | 58.52            | 17.99    | 0                | 0.048        | 2.373           | 1.359208656 |
| 26/5/2018     | 01:09:10  | 0.053    | 58.66            | 18       | 0                | 0.05         | 2.403           | 1.41584235  |
| 26/5/2018     | 01:39:10  | 0.054    | 59.02            | 18.02    | 0                | 0.052        | 2.432           | 1.472476044 |
| 26/5/2018     | 02:09:10  | 0.053    | 59.29            | 18.03    | 0                | 0.05         | 2.403           | 1.41584235  |
| 26/5/2018     | 02:39:10  | 0.052    | 59.43            | 18.03    | 0                | 0.048        | 2.373           | 1.359208656 |
| 26/5/2018     | 03:09:10  | 0.054    | 59.7             | 18.03    | 0                | 0.052        | 2.432           | 1.472476044 |
| 26/5/2018     | 03:39:10  | 0.056    | 59.97            | 18.03    | 0                | 0.056        | 2.49            | 1.585743432 |
| 26/5/2018     | 04:09:10  | 0.053    | 60.29            | 18.03    | 0                | 0.05         | 2.403           | 1.41584235  |
| 26/5/2018     | 04:39:10  | 0.056    | 60.78            | 18.04    | 0                | 0.056        | 2.49            | 1.585743432 |
| 26/5/2018     | 05:09:10  | 0.056    | 61.33            | 18.04    | 0                | 0.056        | 2.49            | 1.585743432 |
| 26/5/2018     | 05:39:10  | 0.055    | 61.69            | 18.04    | 0                | 0.054        | 2.461           | 1.529109738 |
| 26/5/2018     | 06:09:10  | 0.055    | 61.91            | 18.03    | 0                | 0.054        | 2.461           | 1.529109738 |
| 26/5/2018     | 06:39:10  | 0.056    | 62.18            | 18.03    | 0                | 0.056        | 2.49            | 1.585743432 |
| 26/5/2018     | 07:09:10  | 0.056    | 62.5             | 18.02    | 0                | 0.056        | 2.49            | 1.585743432 |
| 26/5/2018     | 07:39:10  | 0.055    | 62.86            | 18.02    | 0                | 0.054        | 2.461           | 1.529109738 |
| 26/5/2018     | 08:09:10  | 0.053    | 63.27            | 18.04    | 0                | 0.05         | 2.403           | 1.41584235  |
| 26/5/2018     | 08:39:10  | 0.054    | 63.49            | 18.04    | 0                | 0.052        | 2.432           | 1.472476044 |
| 26/5/2018     | 09:09:10  | 0.051    | 63.72            | 18.04    | 0                | 0.046        | 2.344           | 1.302574962 |
| 26/5/2018     | 09:39:10  | 0.052    | 63.95            | 18.03    | 0                | 0.048        | 2.373           | 1.359208656 |
| 26/5/2018     | 10:09:10  | 0.053    | 64.04            | 18.02    | 0                | 0.05         | 2.403           | 1.41584235  |
| 26/5/2018     | 10:39:10  | 0.052    | 64.26            | 18.02    | 0                | 0.048        | 2.373           | 1.359208656 |
| 26/5/2018     | 11:09:10  | 0.053    | 64.35            | 18.01    | 0                | 0.05         | 2.403           | 1.41584235  |
| 26/5/2018     | 11:39:10  | 0.052    | 64.31            | 18       | 0                | 0.048        | 2.373           | 1.359208656 |



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 26/5/2018     | 12:09:10  | 0.053    | 64.31            | 18       | 0                | 0.05         | 2.403           | 1.41584235  |
| 26/5/2018     | 12:39:10  | 0.051    | 64.31            | 18       | 0                | 0.046        | 2.344           | 1.302574962 |
| 26/5/2018     | 13:09:10  | 0.053    | 64.17            | 18       | 0                | 0.05         | 2.403           | 1.41584235  |
| 26/5/2018     | 13:39:10  | 0.051    | 63.95            | 17.99    | 0                | 0.046        | 2.344           | 1.302574962 |
| 26/5/2018     | 14:09:10  | 0.05     | 63.72            | 17.99    | 0                | 0.044        | 2.314           | 1.245941268 |
| 26/5/2018     | 14:39:10  | 0.048    | 63.49            | 17.98    | 0                | 0.04         | 2.254           | 1.13267388  |
| 26/5/2018     | 15:09:10  | 0.052    | 63.22            | 17.97    | 0                | 0.048        | 2.373           | 1.359208656 |
| 26/5/2018     | 15:39:10  | 0.048    | 62.77            | 17.98    | 0                | 0.04         | 2.254           | 1.13267388  |
| 26/5/2018     | 16:09:10  | 0.047    | 62.41            | 17.97    | 0                | 0.039        | 2.224           | 1.104357033 |
| 26/5/2018     | 16:39:10  | 0.048    | 62.18            | 17.97    | 0                | 0.04         | 2.254           | 1.13267388  |
| 26/5/2018     | 17:09:10  | 0.05     | 61.91            | 17.97    | 0                | 0.044        | 2.314           | 1.245941268 |
| 26/5/2018     | 17:39:10  | 0.046    | 61.64            | 17.96    | 0                | 0.037        | 2.193           | 1.047723339 |
| 26/5/2018     | 18:09:10  | 0.046    | 61.37            | 17.96    | 0                | 0.037        | 2.193           | 1.047723339 |
| 26/5/2018     | 18:39:10  | 0.044    | 61.15            | 17.96    | 0                | 0.034        | 2.131           | 0.962772798 |
| 26/5/2018     | 19:09:10  | 0.045    | 60.96            | 17.96    | 0                | 0.035        | 2.162           | 0.991089645 |
| 26/5/2018     | 19:39:10  | 0.046    | 60.78            | 17.96    | 0                | 0.037        | 2.193           | 1.047723339 |
| 26/5/2018     | 20:09:10  | 0.042    | 60.6             | 17.96    | 0                | 0.031        | 2.068           | 0.877822257 |
| 26/5/2018     | 20:39:10  | 0.044    | 60.47            | 17.96    | 0                | 0.034        | 2.131           | 0.962772798 |
| 26/5/2018     | 21:09:10  | 0.042    | 60.38            | 17.96    | 0                | 0.031        | 2.068           | 0.877822257 |
| 26/5/2018     | 21:39:10  | 0.042    | 60.29            | 17.96    | 0                | 0.031        | 2.068           | 0.877822257 |
| 26/5/2018     | 22:09:10  | 0.044    | 60.15            | 17.96    | 0                | 0.034        | 2.131           | 0.962772798 |
| 26/5/2018     | 22:39:10  | 0.043    | 60.06            | 17.95    | 0                | 0.032        | 2.1             | 0.906139104 |
| 26/5/2018     | 23:09:10  | 0.042    | 59.97            | 17.95    | 0                | 0.031        | 2.068           | 0.877822257 |
| 26/5/2018     | 23:39:10  | 0.046    | 60.02            | 17.94    | 0                | 0.037        | 2.193           | 1.047723339 |
| 27/5/2018     | 00:09:10  | 0.046    | 60.06            | 17.95    | 0                | 0.037        | 2.193           | 1.047723339 |
| 27/5/2018     | 00:39:10  | 0.046    | 60.24            | 17.96    | 0                | 0.037        | 2.193           | 1.047723339 |
| 27/5/2018     | 01:09:10  | 0.046    | 60.33            | 17.96    | 0                | 0.037        | 2.193           | 1.047723339 |
| 27/5/2018     | 01:39:10  | 0.043    | 60.42            | 17.96    | 0                | 0.032        | 2.1             | 0.906139104 |
| 27/5/2018     | 02:09:10  | 0.045    | 60.6             | 17.96    | 0                | 0.035        | 2.162           | 0.991089645 |
| 27/5/2018     | 02:39:10  | 0.046    | 60.65            | 17.96    | 0                | 0.037        | 2.193           | 1.047723339 |
| 27/5/2018     | 03:09:10  | 0.046    | 60.65            | 17.96    | 0                | 0.037        | 2.193           | 1.047723339 |
| 27/5/2018     | 03:39:10  | 0.049    | 60.74            | 17.95    | 0                | 0.042        | 2.284           | 1.189307574 |
| 27/5/2018     | 04:09:10  | 0.049    | 61.15            | 17.96    | 0                | 0.042        | 2.284           | 1.189307574 |
| 27/5/2018     | 04:39:10  | 0.048    | 61.51            | 17.97    | 0                | 0.04         | 2.254           | 1.13267388  |
| 27/5/2018     | 05:09:10  | 0.05     | 61.64            | 17.97    | 0                | 0.044        | 2.314           | 1.245941268 |
| 27/5/2018     | 05:39:10  | 0.05     | 62               | 17.97    | 0                | 0.044        | 2.314           | 1.245941268 |
| 27/5/2018     | 06:09:10  | 0.051    | 62.5             | 17.97    | 0                | 0.046        | 2.344           | 1.302574962 |
| 27/5/2018     | 06:39:10  | 0.052    | 63.04            | 17.97    | 0                | 0.048        | 2.373           | 1.359208656 |
| 27/5/2018     | 07:09:10  | 0.052    | 63.49            | 17.98    | 0                | 0.048        | 2.373           | 1.359208656 |
| 27/5/2018     | 07:39:10  | 0.052    | 63.99            | 17.99    | 0                | 0.048        | 2.373           | 1.359208656 |
| 27/5/2018     | 08:09:10  | 0.052    | 64.35            | 17.98    | 0                | 0.048        | 2.373           | 1.359208656 |
| 27/5/2018     | 08:39:10  | 0.052    | 64.67            | 17.98    | 0                | 0.048        | 2.373           | 1.359208656 |
| 27/5/2018     | 09:09:10  | 0.053    | 65.12            | 17.99    | 0                | 0.05         | 2.403           | 1.41584235  |
| 27/5/2018     | 09:39:10  | 0.052    | 65.39            | 17.98    | 0                | 0.048        | 2.373           | 1.359208656 |
| 27/5/2018     | 10:09:10  | 0.053    | 65.57            | 17.97    | 0                | 0.05         | 2.403           | 1.41584235  |
| 27/5/2018     | 10:39:10  | 0.053    | 65.8             | 17.96    | 0                | 0.05         | 2.403           | 1.41584235  |
| 27/5/2018     | 11:09:10  | 0.052    | 65.75            | 17.95    | 0                | 0.048        | 2.373           | 1.359208656 |
| 27/5/2018     | 11:39:10  | 0.051    | 65.71            | 17.95    | 0                | 0.046        | 2.344           | 1.302574962 |
| 27/5/2018     | 12:09:10  | 0.052    | 65.57            | 17.94    | 0                | 0.048        | 2.373           | 1.359208656 |
| 27/5/2018     | 12:39:10  | 0.05     | 65.44            | 17.94    | 0                | 0.044        | 2.314           | 1.245941268 |
| 27/5/2018     | 13:09:10  | 0.05     | 65.12            | 17.93    | 0                | 0.044        | 2.314           | 1.245941268 |
| 27/5/2018     | 13:39:10  | 0.049    | 64.85            | 17.92    | 0                | 0.042        | 2.284           | 1.189307574 |
| 27/5/2018     | 14:09:10  | 0.05     | 64.53            | 17.91    | 0                | 0.044        | 2.314           | 1.245941268 |
| 27/5/2018     | 14:39:10  | 0.048    | 64.13            | 17.9     | 0                | 0.04         | 2.254           | 1.13267388  |
| 27/5/2018     | 15:09:10  | 0.048    | 63.77            | 17.89    | 0                | 0.04         | 2.254           | 1.13267388  |
| 27/5/2018     | 15:39:10  | 0.047    | 63.36            | 17.88    | 0                | 0.039        | 2.224           | 1.104357033 |
| 27/5/2018     | 16:09:10  | 0.046    | 63.04            | 17.88    | 0                | 0.037        | 2.193           | 1.047723339 |
| 27/5/2018     | 16:39:10  | 0.046    | 62.68            | 17.88    | 0                | 0.037        | 2.193           | 1.047723339 |
| 27/5/2018     | 17:09:10  | 0.045    | 62.37            | 17.87    | 0                | 0.035        | 2.162           | 0.991089645 |
| 27/5/2018     | 17:39:10  | 0.045    | 62.05            | 17.86    | 0                | 0.035        | 2.162           | 0.991089645 |
| 27/5/2018     | 18:09:10  | 0.044    | 61.69            | 17.87    | 0                | 0.034        | 2.131           | 0.962772798 |
| 27/5/2018     | 18:39:10  | 0.045    | 61.46            | 17.86    | 0                | 0.035        | 2.162           | 0.991089645 |
| 27/5/2018     | 19:09:10  | 0.044    | 61.19            | 17.86    | 0                | 0.034        | 2.131           | 0.962772798 |
| 27/5/2018     | 19:39:10  | 0.043    | 60.96            | 17.86    | 0                | 0.032        | 2.1             | 0.906139104 |
| 27/5/2018     | 20:09:10  | 0.043    | 60.83            | 17.86    | 0                | 0.032        | 2.1             | 0.906139104 |
| 27/5/2018     | 20:39:10  | 0.043    | 60.69            | 17.86    | 0                | 0.032        | 2.1             | 0.906139104 |
| 27/5/2018     | 21:09:10  | 0.043    | 60.56            | 17.87    | 0                | 0.032        | 2.1             | 0.906139104 |
| 27/5/2018     | 21:39:10  | 0.043    | 60.38            | 17.87    | 0                | 0.032        | 2.1             | 0.906139104 |
| 27/5/2018     | 22:09:10  | 0.042    | 60.2             | 17.87    | 0                | 0.031        | 2.068           | 0.877822257 |
| 27/5/2018     | 22:39:10  | 0.042    | 60.11            | 17.86    | 0                | 0.031        | 2.068           | 0.877822257 |
| 27/5/2018     | 23:09:10  | 0.042    | 60.02            | 17.87    | 0                | 0.031        | 2.068           | 0.877822257 |
| 27/5/2018     | 23:39:10  | 0.043    | 60.02            | 17.87    | 0                | 0.032        | 2.1             | 0.906139104 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 28/5/2018     | 00:09:10  | 0.042    | 60.11            | 17.88    | 0                | 0.031        | 2.068           | 0.877822257 |
| 28/5/2018     | 00:39:10  | 0.043    | 60.2             | 17.89    | 0                | 0.032        | 2.1             | 0.906139104 |
| 28/5/2018     | 01:09:10  | 0.044    | 60.47            | 17.91    | 0                | 0.034        | 2.131           | 0.962772798 |
| 28/5/2018     | 01:39:10  | 0.044    | 60.96            | 17.94    | 0                | 0.034        | 2.131           | 0.962772798 |
| 28/5/2018     | 02:09:10  | 0.047    | 61.6             | 17.97    | 0                | 0.039        | 2.224           | 1.104357033 |
| 28/5/2018     | 02:39:10  | 0.047    | 62.37            | 17.99    | 0                | 0.039        | 2.224           | 1.104357033 |
| 28/5/2018     | 03:09:10  | 0.048    | 63.13            | 17.99    | 0                | 0.04         | 2.254           | 1.13267388  |
| 28/5/2018     | 03:39:10  | 0.049    | 63.68            | 17.99    | 0                | 0.042        | 2.284           | 1.189307574 |
| 28/5/2018     | 04:09:10  | 0.05     | 64.44            | 17.99    | 0                | 0.044        | 2.314           | 1.245941268 |
| 28/5/2018     | 04:39:10  | 0.048    | 64.71            | 17.98    | 0                | 0.04         | 2.254           | 1.13267388  |
| 28/5/2018     | 05:09:10  | 0.049    | 65.08            | 17.97    | 0                | 0.042        | 2.284           | 1.189307574 |
| 28/5/2018     | 05:39:10  | 0.049    | 65.21            | 17.96    | 0                | 0.042        | 2.284           | 1.189307574 |
| 28/5/2018     | 06:09:10  | 0.05     | 65.53            | 17.95    | 0                | 0.044        | 2.314           | 1.245941268 |
| 28/5/2018     | 06:39:10  | 0.05     | 65.84            | 17.94    | 0                | 0.044        | 2.314           | 1.245941268 |
| 28/5/2018     | 07:09:10  | 0.05     | 66.25            | 17.94    | 0                | 0.044        | 2.314           | 1.245941268 |
| 28/5/2018     | 07:39:10  | 0.051    | 66.93            | 17.96    | 0                | 0.046        | 2.344           | 1.302574962 |
| 28/5/2018     | 08:09:10  | 0.051    | 67.43            | 17.96    | 0                | 0.046        | 2.344           | 1.302574962 |
| 28/5/2018     | 08:39:10  | 0.051    | 67.97            | 17.97    | 0                | 0.046        | 2.344           | 1.302574962 |
| 28/5/2018     | 09:09:10  | 0.053    | 68.24            | 17.97    | 0                | 0.05         | 2.403           | 1.41584235  |
| 28/5/2018     | 09:39:10  | 0.052    | 68.51            | 17.95    | 0                | 0.048        | 2.373           | 1.359208656 |
| 28/5/2018     | 10:09:10  | 0.051    | 68.6             | 17.93    | 0                | 0.046        | 2.344           | 1.302574962 |
| 28/5/2018     | 10:39:10  | 0.05     | 68.56            | 17.92    | 0                | 0.044        | 2.314           | 1.245941268 |
| 28/5/2018     | 11:09:10  | 0.05     | 68.47            | 17.91    | 0                | 0.044        | 2.314           | 1.245941268 |
| 28/5/2018     | 11:39:10  | 0.048    | 68.24            | 17.9     | 0                | 0.04         | 2.254           | 1.13267388  |
| 28/5/2018     | 12:09:10  | 0.048    | 67.92            | 17.89    | 0                | 0.04         | 2.254           | 1.13267388  |
| 28/5/2018     | 12:39:10  | 0.048    | 67.7             | 17.89    | 0                | 0.04         | 2.254           | 1.13267388  |
| 28/5/2018     | 13:09:10  | 0.047    | 67.34            | 17.89    | 0                | 0.039        | 2.224           | 1.104357033 |
| 28/5/2018     | 13:39:10  | 0.046    | 67.02            | 17.88    | 0                | 0.037        | 2.193           | 1.047723339 |
| 28/5/2018     | 14:09:10  | 0.047    | 66.7             | 17.88    | 0                | 0.039        | 2.224           | 1.104357033 |
| 28/5/2018     | 14:39:10  | 0.046    | 66.3             | 17.87    | 0                | 0.037        | 2.193           | 1.047723339 |
| 28/5/2018     | 15:09:10  | 0.045    | 65.93            | 17.86    | 0                | 0.035        | 2.162           | 0.991089645 |
| 28/5/2018     | 15:39:10  | 0.045    | 65.48            | 17.86    | 0                | 0.035        | 2.162           | 0.991089645 |
| 28/5/2018     | 16:09:10  | 0.044    | 65.17            | 17.85    | 0                | 0.034        | 2.131           | 0.962772798 |
| 28/5/2018     | 16:39:10  | 0.044    | 64.81            | 17.84    | 0                | 0.034        | 2.131           | 0.962772798 |
| 28/5/2018     | 17:09:10  | 0.043    | 64.49            | 17.84    | 0                | 0.032        | 2.1             | 0.906139104 |
| 28/5/2018     | 17:39:10  | 0.044    | 64.13            | 17.84    | 0                | 0.034        | 2.131           | 0.962772798 |
| 28/5/2018     | 18:09:10  | 0.042    | 63.77            | 17.83    | 0                | 0.031        | 2.068           | 0.877822257 |
| 28/5/2018     | 18:39:10  | 0.042    | 63.49            | 17.83    | 0                | 0.031        | 2.068           | 0.877822257 |
| 28/5/2018     | 19:09:10  | 0.042    | 63.22            | 17.83    | 0                | 0.031        | 2.068           | 0.877822257 |
| 28/5/2018     | 19:39:10  | 0.042    | 63.04            | 17.83    | 0                | 0.031        | 2.068           | 0.877822257 |
| 28/5/2018     | 20:09:10  | 0.042    | 62.82            | 17.84    | 0                | 0.031        | 2.068           | 0.877822257 |
| 28/5/2018     | 20:39:10  | 0.041    | 62.55            | 17.83    | 0                | 0.029        | 2.037           | 0.821188563 |
| 28/5/2018     | 21:09:10  | 0.041    | 62.37            | 17.83    | 0                | 0.029        | 2.037           | 0.821188563 |
| 28/5/2018     | 21:39:10  | 0.041    | 62.14            | 17.83    | 0                | 0.029        | 2.037           | 0.821188563 |
| 28/5/2018     | 22:09:10  | 0.04     | 61.96            | 17.83    | 0                | 0.028        | 2.005           | 0.792871716 |
| 28/5/2018     | 22:39:10  | 0.041    | 61.82            | 17.83    | 0                | 0.029        | 2.037           | 0.821188563 |
| 28/5/2018     | 23:09:10  | 0.041    | 61.69            | 17.83    | 0                | 0.029        | 2.037           | 0.821188563 |
| 28/5/2018     | 23:39:10  | 0.041    | 61.73            | 17.84    | 0                | 0.029        | 2.037           | 0.821188563 |
| 29/5/2018     | 00:09:10  | 0.041    | 61.87            | 17.84    | 0                | 0.029        | 2.037           | 0.821188563 |
| 29/5/2018     | 00:39:10  | 0.042    | 62.18            | 17.86    | 0                | 0.031        | 2.068           | 0.877822257 |
| 29/5/2018     | 01:09:10  | 0.043    | 62.59            | 17.88    | 0                | 0.032        | 2.1             | 0.906139104 |
| 29/5/2018     | 01:39:10  | 0.045    | 63.18            | 17.92    | 0                | 0.035        | 2.162           | 0.991089645 |
| 29/5/2018     | 02:09:10  | 0.045    | 63.77            | 17.94    | 0                | 0.035        | 2.162           | 0.991089645 |
| 29/5/2018     | 02:39:10  | 0.047    | 64.26            | 17.95    | 0                | 0.039        | 2.224           | 1.104357033 |
| 29/5/2018     | 03:09:10  | 0.049    | 64.94            | 17.96    | 0                | 0.042        | 2.284           | 1.189307574 |
| 29/5/2018     | 03:39:10  | 0.049    | 65.57            | 17.96    | 0                | 0.042        | 2.284           | 1.189307574 |
| 29/5/2018     | 04:09:10  | 0.047    | 66.3             | 17.96    | 0                | 0.039        | 2.224           | 1.104357033 |
| 29/5/2018     | 04:39:10  | 0.049    | 66.97            | 17.96    | 0                | 0.042        | 2.284           | 1.189307574 |
| 29/5/2018     | 05:09:10  | 0.05     | 67.56            | 17.96    | 0                | 0.044        | 2.314           | 1.245941268 |
| 29/5/2018     | 05:39:10  | 0.049    | 68.28            | 17.96    | 0                | 0.042        | 2.284           | 1.189307574 |
| 29/5/2018     | 06:09:10  | 0.051    | 68.87            | 17.95    | 0                | 0.046        | 2.344           | 1.302574962 |
| 29/5/2018     | 06:39:10  | 0.049    | 69.41            | 17.94    | 0                | 0.042        | 2.284           | 1.189307574 |
| 29/5/2018     | 07:09:10  | 0.049    | 69.82            | 17.94    | 0                | 0.042        | 2.284           | 1.189307574 |
| 29/5/2018     | 07:39:10  | 0.05     | 70               | 17.93    | 0                | 0.044        | 2.314           | 1.245941268 |
| 29/5/2018     | 08:09:10  | 0.05     | 70               | 17.92    | 0                | 0.044        | 2.314           | 1.245941268 |
| 29/5/2018     | 08:39:10  | 0.049    | 70.18            | 17.91    | 0                | 0.042        | 2.284           | 1.189307574 |
| 29/5/2018     | 09:09:10  | 0.049    | 69.91            | 17.91    | 0                | 0.042        | 2.284           | 1.189307574 |
| 29/5/2018     | 09:39:10  | 0.048    | 69.82            | 17.9     | 0                | 0.04         | 2.254           | 1.13267388  |
| 29/5/2018     | 10:09:10  | 0.047    | 69.78            | 17.89    | 0                | 0.039        | 2.224           | 1.104357033 |
| 29/5/2018     | 10:39:10  | 0.046    | 69.69            | 17.88    | 0                | 0.037        | 2.193           | 1.047723339 |
| 29/5/2018     | 11:09:10  | 0.047    | 69.64            | 17.88    | 0                | 0.039        | 2.224           | 1.104357033 |
| 29/5/2018     | 11:39:10  | 0.046    | 69.41            | 17.87    | 0                | 0.037        | 2.193           | 1.047723339 |



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 29/5/2018     | 12:09:10  | 0.047    | 69.23            | 17.86    | 0                | 0.039        | 2.224           | 1.104357033 |
| 29/5/2018     | 12:39:10  | 0.046    | 68.96            | 17.86    | 0                | 0.037        | 2.193           | 1.047723339 |
| 29/5/2018     | 13:09:10  | 0.044    | 68.65            | 17.85    | 0                | 0.034        | 2.131           | 0.962772798 |
| 29/5/2018     | 13:39:10  | 0.044    | 68.24            | 17.84    | 0                | 0.034        | 2.131           | 0.962772798 |
| 29/5/2018     | 14:09:10  | 0.043    | 67.74            | 17.83    | 0                | 0.032        | 2.1             | 0.906139104 |
| 29/5/2018     | 14:39:10  | 0.043    | 67.34            | 17.82    | 0                | 0.032        | 2.1             | 0.906139104 |
| 29/5/2018     | 15:09:10  | 0.043    | 66.93            | 17.81    | 0                | 0.032        | 2.1             | 0.906139104 |
| 29/5/2018     | 15:39:10  | 0.042    | 66.52            | 17.81    | 0                | 0.031        | 2.068           | 0.877822257 |
| 29/5/2018     | 16:09:10  | 0.042    | 66.12            | 17.8     | 0                | 0.031        | 2.068           | 0.877822257 |
| 29/5/2018     | 16:39:10  | 0.042    | 65.71            | 17.8     | 0                | 0.031        | 2.068           | 0.877822257 |
| 29/5/2018     | 17:09:10  | 0.041    | 65.39            | 17.8     | 0                | 0.029        | 2.037           | 0.821188563 |
| 29/5/2018     | 17:39:10  | 0.041    | 65.12            | 17.8     | 0                | 0.029        | 2.037           | 0.821188563 |
| 29/5/2018     | 18:09:10  | 0.042    | 64.9             | 17.8     | 0                | 0.031        | 2.068           | 0.877822257 |
| 29/5/2018     | 18:39:10  | 0.042    | 64.76            | 17.8     | 0                | 0.031        | 2.068           | 0.877822257 |
| 29/5/2018     | 19:09:10  | 0.041    | 64.62            | 17.81    | 0                | 0.029        | 2.037           | 0.821188563 |
| 29/5/2018     | 19:39:10  | 0.042    | 64.44            | 17.81    | 0                | 0.031        | 2.068           | 0.877822257 |
| 29/5/2018     | 20:09:10  | 0.042    | 64.26            | 17.82    | 0                | 0.031        | 2.068           | 0.877822257 |
| 29/5/2018     | 20:39:10  | 0.041    | 64.13            | 17.81    | 0                | 0.029        | 2.037           | 0.821188563 |
| 29/5/2018     | 21:09:10  | 0.04     | 63.99            | 17.81    | 0                | 0.028        | 2.005           | 0.792871716 |
| 29/5/2018     | 21:39:10  | 0.042    | 63.86            | 17.81    | 0                | 0.031        | 2.068           | 0.877822257 |
| 29/5/2018     | 22:09:10  | 0.042    | 63.72            | 17.81    | 0                | 0.031        | 2.068           | 0.877822257 |
| 29/5/2018     | 22:39:10  | 0.041    | 63.54            | 17.81    | 0                | 0.029        | 2.037           | 0.821188563 |
| 29/5/2018     | 23:09:10  | 0.041    | 63.45            | 17.81    | 0                | 0.029        | 2.037           | 0.821188563 |
| 29/5/2018     | 23:39:10  | 0.041    | 63.36            | 17.81    | 0                | 0.029        | 2.037           | 0.821188563 |
| 30/5/2018     | 00:09:10  | 0.043    | 63.4             | 17.81    | 0                | 0.032        | 2.1             | 0.906139104 |
| 30/5/2018     | 00:39:10  | 0.042    | 63.45            | 17.83    | 0                | 0.031        | 2.068           | 0.877822257 |
| 30/5/2018     | 01:09:10  | 0.041    | 63.68            | 17.84    | 0                | 0.029        | 2.037           | 0.821188563 |
| 30/5/2018     | 01:39:10  | 0.043    | 64.04            | 17.87    | 0                | 0.032        | 2.1             | 0.906139104 |
| 30/5/2018     | 02:09:10  | 0.044    | 64.4             | 17.88    | 0                | 0.034        | 2.131           | 0.962772798 |
| 30/5/2018     | 02:39:10  | 0.044    | 64.62            | 17.89    | 0                | 0.034        | 2.131           | 0.962772798 |
| 30/5/2018     | 03:09:10  | 0.044    | 64.85            | 17.88    | 0                | 0.034        | 2.131           | 0.962772798 |
| 30/5/2018     | 03:39:10  | 0.044    | 65.21            | 17.88    | 0                | 0.034        | 2.131           | 0.962772798 |
| 30/5/2018     | 04:09:10  | 0.044    | 65.3             | 17.88    | 0                | 0.034        | 2.131           | 0.962772798 |
| 30/5/2018     | 04:39:10  | 0.044    | 65.26            | 17.86    | 0                | 0.034        | 2.131           | 0.962772798 |
| 30/5/2018     | 05:09:10  | 0.045    | 65.35            | 17.85    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 05:39:10  | 0.046    | 65.48            | 17.85    | 0                | 0.037        | 2.193           | 1.047723339 |
| 30/5/2018     | 06:09:10  | 0.045    | 65.62            | 17.84    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 06:39:10  | 0.045    | 65.62            | 17.84    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 07:09:10  | 0.045    | 65.62            | 17.83    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 07:39:10  | 0.046    | 65.53            | 17.83    | 0                | 0.037        | 2.193           | 1.047723339 |
| 30/5/2018     | 08:09:10  | 0.045    | 65.35            | 17.83    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 08:39:10  | 0.044    | 65.3             | 17.82    | 0                | 0.034        | 2.131           | 0.962772798 |
| 30/5/2018     | 09:09:10  | 0.044    | 65.26            | 17.81    | 0                | 0.034        | 2.131           | 0.962772798 |
| 30/5/2018     | 09:39:10  | 0.045    | 65.17            | 17.81    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 10:09:10  | 0.045    | 65.17            | 17.81    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 10:39:10  | 0.045    | 65.12            | 17.81    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 11:09:10  | 0.045    | 65.08            | 17.81    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 11:39:10  | 0.045    | 64.94            | 17.81    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 12:09:10  | 0.045    | 64.81            | 17.81    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 12:39:10  | 0.044    | 64.62            | 17.8     | 0                | 0.034        | 2.131           | 0.962772798 |
| 30/5/2018     | 13:09:10  | 0.046    | 64.53            | 17.8     | 0                | 0.037        | 2.193           | 1.047723339 |
| 30/5/2018     | 13:39:10  | 0.045    | 64.35            | 17.8     | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 14:09:10  | 0.045    | 64.22            | 17.8     | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 14:39:10  | 0.044    | 64.08            | 17.79    | 0                | 0.034        | 2.131           | 0.962772798 |
| 30/5/2018     | 15:09:10  | 0.045    | 63.99            | 17.78    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 15:39:10  | 0.044    | 63.86            | 17.78    | 0                | 0.034        | 2.131           | 0.962772798 |
| 30/5/2018     | 16:09:10  | 0.045    | 63.72            | 17.78    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 16:39:10  | 0.044    | 63.63            | 17.78    | 0                | 0.034        | 2.131           | 0.962772798 |
| 30/5/2018     | 17:09:10  | 0.044    | 63.54            | 17.78    | 0                | 0.034        | 2.131           | 0.962772798 |
| 30/5/2018     | 17:39:10  | 0.045    | 63.45            | 17.78    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 18:09:10  | 0.044    | 63.31            | 17.78    | 0                | 0.034        | 2.131           | 0.962772798 |
| 30/5/2018     | 18:39:10  | 0.045    | 63.22            | 17.78    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 19:09:10  | 0.044    | 63.18            | 17.78    | 0                | 0.034        | 2.131           | 0.962772798 |
| 30/5/2018     | 19:39:10  | 0.045    | 63.09            | 17.78    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 20:09:10  | 0.046    | 63               | 17.78    | 0                | 0.037        | 2.193           | 1.047723339 |
| 30/5/2018     | 20:39:10  | 0.045    | 62.95            | 17.78    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 21:09:10  | 0.045    | 62.86            | 17.78    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 21:39:10  | 0.044    | 62.77            | 17.78    | 0                | 0.034        | 2.131           | 0.962772798 |
| 30/5/2018     | 22:09:10  | 0.045    | 62.73            | 17.78    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 22:39:10  | 0.044    | 62.68            | 17.78    | 0                | 0.034        | 2.131           | 0.962772798 |
| 30/5/2018     | 23:09:10  | 0.045    | 62.64            | 17.78    | 0                | 0.035        | 2.162           | 0.991089645 |
| 30/5/2018     | 23:39:10  | 0.044    | 62.59            | 17.78    | 0                | 0.034        | 2.131           | 0.962772798 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 31/5/2018     | 00:09:10  | 0.046    | 62.59            | 17.78    | 0                | 0.037        | 2.193           | 1.047723339 |
| 31/5/2018     | 00:39:10  | 0.045    | 62.59            | 17.78    | 0                | 0.035        | 2.162           | 0.991089645 |
| 31/5/2018     | 01:09:10  | 0.046    | 62.59            | 17.78    | 0                | 0.037        | 2.193           | 1.047723339 |
| 31/5/2018     | 01:39:10  | 0.045    | 62.68            | 17.79    | 0                | 0.035        | 2.162           | 0.991089645 |
| 31/5/2018     | 02:09:10  | 0.046    | 62.73            | 17.79    | 0                | 0.037        | 2.193           | 1.047723339 |
| 31/5/2018     | 02:39:10  | 0.045    | 62.77            | 17.79    | 0                | 0.035        | 2.162           | 0.991089645 |
| 31/5/2018     | 03:09:10  | 0.047    | 62.86            | 17.79    | 0                | 0.039        | 2.224           | 1.104357033 |
| 31/5/2018     | 03:39:10  | 0.045    | 63.04            | 17.8     | 0                | 0.035        | 2.162           | 0.991089645 |
| 31/5/2018     | 04:09:10  | 0.046    | 63.27            | 17.8     | 0                | 0.037        | 2.193           | 1.047723339 |
| 31/5/2018     | 04:39:10  | 0.046    | 63.59            | 17.81    | 0                | 0.037        | 2.193           | 1.047723339 |
| 31/5/2018     | 05:09:10  | 0.046    | 64.04            | 17.81    | 0                | 0.037        | 2.193           | 1.047723339 |
| 31/5/2018     | 05:39:10  | 0.048    | 64.49            | 17.83    | 0                | 0.04         | 2.254           | 1.13267388  |
| 31/5/2018     | 06:09:10  | 0.048    | 64.76            | 17.82    | 0                | 0.04         | 2.254           | 1.13267388  |
| 31/5/2018     | 06:39:10  | 0.047    | 65.21            | 17.81    | 0                | 0.039        | 2.224           | 1.104357033 |
| 31/5/2018     | 07:09:10  | 0.05     | 66.12            | 17.83    | 0                | 0.044        | 2.314           | 1.245941268 |
| 31/5/2018     | 07:39:10  | 0.051    | 66.93            | 17.84    | 0                | 0.046        | 2.344           | 1.302574962 |
| 31/5/2018     | 08:09:10  | 0.051    | 67.56            | 17.85    | 0                | 0.046        | 2.344           | 1.302574962 |
| 31/5/2018     | 08:39:10  | 0.051    | 68.06            | 17.85    | 0                | 0.046        | 2.344           | 1.302574962 |
| 31/5/2018     | 09:09:10  | 0.05     | 68.33            | 17.84    | 0                | 0.044        | 2.314           | 1.245941268 |
| 31/5/2018     | 09:39:10  | 0.052    | 68.51            | 17.83    | 0                | 0.048        | 2.373           | 1.359208656 |
| 31/5/2018     | 10:09:10  | 0.051    | 68.69            | 17.81    | 0                | 0.046        | 2.344           | 1.302574962 |
| 31/5/2018     | 10:39:10  | 0.049    | 68.6             | 17.8     | 0                | 0.042        | 2.284           | 1.189307574 |
| 31/5/2018     | 11:09:10  | 0.085    | 67.16            | 17.78    | 0                | 0.135        | 3.257           | 3.822774345 |
| 31/5/2018     | 11:39:10  | 0.085    | 66.75            | 17.76    | 0                | 0.135        | 3.257           | 3.822774345 |
| 31/5/2018     | 12:09:10  | 0.083    | 66.52            | 17.76    | 0                | 0.128        | 3.208           | 3.624556416 |
| 31/5/2018     | 12:39:10  | 0.082    | 66.34            | 17.75    | 0                | 0.125        | 3.183           | 3.539605875 |
| 31/5/2018     | 13:09:10  | 0.089    | 66.03            | 17.75    | 0                | 0.149        | 3.355           | 4.219210203 |
| 31/5/2018     | 13:39:10  | 0.094    | 65.71            | 17.75    | 0                | 0.167        | 3.475           | 4.728913449 |
| 31/5/2018     | 14:09:10  | 0.08     | 65.35            | 17.75    | 0                | 0.119        | 3.133           | 3.369704793 |
| 31/5/2018     | 14:39:10  | 0.097    | 65.08            | 17.74    | 0                | 0.178        | 3.545           | 5.040398766 |
| 31/5/2018     | 15:09:10  | 0.121    | 64.81            | 17.73    | 0                | 0.289        | 4.105           | 8.183568783 |
| 31/5/2018     | 15:39:10  | 0.135    | 64.62            | 17.73    | 0                | 0.363        | 4.399           | 10.27901546 |
| 31/5/2018     | 16:09:10  | 0.13     | 64.49            | 17.73    | 0                | 0.336        | 4.296           | 9.514460592 |
| 31/5/2018     | 16:39:10  | 0.158    | 64.35            | 17.73    | 0                | 0.504        | 4.857           | 14.27169089 |
| 31/5/2018     | 17:09:10  | 0.161    | 64.26            | 17.73    | 0                | 0.524        | 4.914           | 14.83802783 |
| 31/5/2018     | 17:39:10  | 0.178    | 64.26            | 17.72    | 0                | 0.652        | 5.251           | 18.46258424 |
| 31/5/2018     | 18:09:10  | 0.178    | 64.17            | 17.73    | 0                | 0.652        | 5.251           | 18.46258424 |
| 31/5/2018     | 18:39:10  | 0.164    | 64.17            | 17.73    | 0                | 0.551        | 4.991           | 15.6025827  |
| 31/5/2018     | 19:09:10  | 0.167    | 64.13            | 17.73    | 0                | 0.572        | 5.047           | 16.19723648 |
| 31/5/2018     | 19:39:10  | 0.173    | 64.13            | 17.73    | 0                | 0.615        | 5.159           | 17.41486091 |
| 31/5/2018     | 20:09:10  | 0.151    | 64.08            | 17.72    | 0                | 0.458        | 4.721           | 12.96911593 |
| 31/5/2018     | 20:39:10  | 0.182    | 64.04            | 17.72    | 0                | 0.683        | 5.324           | 19.3404065  |
| 31/5/2018     | 21:09:10  | 0.176    | 63.95            | 17.72    | 0                | 0.637        | 5.214           | 18.03783154 |
| 31/5/2018     | 21:39:10  | 0.164    | 63.86            | 17.72    | 0                | 0.551        | 4.991           | 15.6025827  |
| 31/5/2018     | 22:09:10  | 0.159    | 63.81            | 17.73    | 0                | 0.51         | 4.876           | 14.44159197 |
| 31/5/2018     | 22:39:10  | 0.172    | 63.72            | 17.72    | 0                | 0.608        | 5.14            | 17.21664298 |
| 31/5/2018     | 23:09:10  | 0.159    | 63.68            | 17.72    | 0                | 0.51         | 4.876           | 14.44159197 |
| 31/5/2018     | 23:39:10  | 0.166    | 63.63            | 17.72    | 0                | 0.565        | 5.028           | 15.99901856 |
| 1/6/2018      | 00:09:10  | 0.166    | 63.63            | 17.73    | 0                | 0.565        | 5.028           | 15.99901856 |
| 1/6/2018      | 00:39:10  | 0.165    | 63.63            | 17.73    | 0                | 0.558        | 5.009           | 15.80080063 |
| 1/6/2018      | 01:09:10  | 0.163    | 63.59            | 17.73    | 0                | 0.537        | 4.953           | 15.20614684 |
| 1/6/2018      | 01:39:10  | 0.163    | 63.68            | 17.73    | 0                | 0.544        | 4.972           | 15.40436477 |
| 1/6/2018      | 02:09:10  | 0.173    | 63.68            | 17.73    | 0                | 0.615        | 5.159           | 17.41486091 |
| 1/6/2018      | 02:39:10  | 0.174    | 63.77            | 17.73    | 0                | 0.623        | 5.177           | 17.64139568 |
| 1/6/2018      | 03:09:10  | 0.155    | 63.81            | 17.74    | 0                | 0.484        | 4.799           | 13.70535395 |
| 1/6/2018      | 03:39:10  | 0.149    | 63.86            | 17.74    | 0                | 0.446        | 4.681           | 12.62931376 |
| 1/6/2018      | 04:09:10  | 0.165    | 63.9             | 17.73    | 0                | 0.558        | 5.009           | 15.80080063 |
| 1/6/2018      | 04:39:10  | 0.182    | 63.9             | 17.73    | 0                | 0.683        | 5.324           | 19.3404065  |
| 1/6/2018      | 05:09:10  | 0.18     | 63.95            | 17.73    | 0                | 0.668        | 5.287           | 18.9156538  |
| 1/6/2018      | 05:39:10  | 0.159    | 63.95            | 17.73    | 0                | 0.51         | 4.876           | 14.44159197 |
| 1/6/2018      | 06:09:10  | 0.163    | 63.99            | 17.72    | 0                | 0.544        | 4.972           | 15.40436477 |
| 1/6/2018      | 06:39:10  | 0.165    | 63.99            | 17.72    | 0                | 0.558        | 5.009           | 15.80080063 |
| 1/6/2018      | 07:09:10  | 0.168    | 64.04            | 17.72    | 0                | 0.579        | 5.066           | 16.39545441 |
| 1/6/2018      | 07:39:10  | 0.196    | 64.04            | 17.72    | 0                | 0.796        | 5.573           | 22.54021021 |
| 1/6/2018      | 08:09:10  | 0.174    | 64.08            | 17.72    | 0                | 0.623        | 5.177           | 17.64139568 |
| 1/6/2018      | 08:39:10  | 0.168    | 64.17            | 17.72    | 0                | 0.579        | 5.066           | 16.39545441 |
| 1/6/2018      | 09:09:10  | 0.18     | 64.31            | 17.73    | 0                | 0.668        | 5.287           | 18.9156538  |
| 1/6/2018      | 09:39:10  | 0.167    | 64.35            | 17.73    | 0                | 0.572        | 5.047           | 16.19723648 |
| 1/6/2018      | 10:09:10  | 0.167    | 64.44            | 17.73    | 0                | 0.572        | 5.047           | 16.19723648 |
| 1/6/2018      | 10:39:10  | 0.158    | 64.53            | 17.73    | 0                | 0.504        | 4.857           | 14.27169089 |
| 1/6/2018      | 11:09:10  | 0.168    | 64.53            | 17.73    | 0                | 0.579        | 5.066           | 16.39545441 |
| 1/6/2018      | 11:39:10  | 0.163    | 64.53            | 17.72    | 0                | 0.537        | 4.953           | 15.20614684 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 1/6/2018      | 12:09:10  | 0.178    | 64.49            | 17.71    | 0                | 0.652        | 5.251           | 18.46258424 |
| 1/6/2018      | 12:39:10  | 0.149    | 64.49            | 17.7     | 0                | 0.446        | 4.681           | 12.62931376 |
| 1/6/2018      | 13:09:10  | 0.166    | 64.44            | 17.7     | 0                | 0.565        | 5.028           | 15.99901856 |
| 1/6/2018      | 13:39:10  | 0.158    | 64.4             | 17.7     | 0                | 0.504        | 4.857           | 14.27169089 |
| 1/6/2018      | 14:09:10  | 0.137    | 64.35            | 17.7     | 0                | 0.374        | 4.44            | 10.59050078 |
| 1/6/2018      | 14:39:10  | 0.123    | 64.31            | 17.7     | 0                | 0.299        | 4.148           | 8.466737253 |
| 1/6/2018      | 15:09:10  | 0.112    | 64.26            | 17.7     | 0                | 0.246        | 3.909           | 6.965944362 |
| 1/6/2018      | 15:39:10  | 0.135    | 64.22            | 17.69    | 0                | 0.363        | 4.399           | 10.27901546 |
| 1/6/2018      | 16:09:10  | 0.116    | 64.13            | 17.69    | 0                | 0.265        | 3.997           | 7.503964455 |
| 1/6/2018      | 16:39:10  | 0.123    | 64.04            | 17.69    | 0                | 0.299        | 4.148           | 8.466737253 |
| 1/6/2018      | 17:09:10  | 0.106    | 63.99            | 17.69    | 0                | 0.219        | 3.775           | 6.201389493 |
| 1/6/2018      | 17:39:10  | 0.127    | 63.9             | 17.68    | 0                | 0.32         | 4.233           | 9.06139104  |
| 1/6/2018      | 18:09:10  | 0.125    | 63.86            | 17.68    | 0                | 0.309        | 4.191           | 8.749905723 |
| 1/6/2018      | 18:39:10  | 0.102    | 63.77            | 17.68    | 0                | 0.202        | 3.684           | 5.720003094 |
| 1/6/2018      | 19:09:10  | 0.105    | 63.68            | 17.68    | 0                | 0.215        | 3.753           | 6.088122105 |
| 1/6/2018      | 19:39:10  | 0.092    | 63.63            | 17.68    | 0                | 0.159        | 3.427           | 4.502378673 |
| 1/6/2018      | 20:09:10  | 0.113    | 63.54            | 17.68    | 0                | 0.251        | 3.932           | 7.107528597 |
| 1/6/2018      | 20:39:10  | 0.124    | 63.45            | 17.68    | 0                | 0.304        | 4.169           | 8.608321488 |
| 1/6/2018      | 21:09:10  | 0.128    | 63.36            | 17.68    | 0                | 0.325        | 4.254           | 9.202975275 |
| 1/6/2018      | 21:39:10  | 0.112    | 63.31            | 17.68    | 0                | 0.246        | 3.909           | 6.965944362 |
| 1/6/2018      | 22:09:10  | 0.098    | 63.22            | 17.68    | 0                | 0.182        | 3.569           | 5.153666154 |
| 1/6/2018      | 22:39:10  | 0.117    | 63.13            | 17.67    | 0                | 0.269        | 4.019           | 7.617231843 |
| 1/6/2018      | 23:09:10  | 0.119    | 63.09            | 17.67    | 0                | 0.279        | 4.062           | 7.900400313 |
| 1/6/2018      | 23:39:10  | 0.107    | 63.04            | 17.67    | 0                | 0.224        | 3.798           | 6.342973728 |
| 2/6/2018      | 00:09:10  | 0.108    | 63               | 17.68    | 0                | 0.228        | 3.82            | 6.456241116 |
| 2/6/2018      | 00:39:10  | 0.099    | 63.18            | 17.68    | 0                | 0.19         | 3.615           | 5.38020093  |
| 2/6/2018      | 01:09:10  | 0.112    | 63.31            | 17.7     | 0                | 0.246        | 3.909           | 6.965944362 |
| 2/6/2018      | 01:39:10  | 0.12     | 63.45            | 17.7     | 0                | 0.284        | 4.084           | 8.041984548 |
| 2/6/2018      | 02:09:10  | 0.109    | 63.63            | 17.72    | 0                | 0.232        | 3.843           | 6.569508504 |
| 2/6/2018      | 02:39:10  | 0.113    | 63.95            | 17.73    | 0                | 0.251        | 3.932           | 7.107528597 |
| 2/6/2018      | 03:09:10  | 0.107    | 64.13            | 17.73    | 0                | 0.224        | 3.798           | 6.342973728 |
| 2/6/2018      | 03:39:10  | 0.11     | 64.44            | 17.74    | 0                | 0.237        | 3.865           | 6.711092739 |
| 2/6/2018      | 04:09:10  | 0.116    | 64.62            | 17.73    | 0                | 0.265        | 3.997           | 7.503964455 |
| 2/6/2018      | 04:39:10  | 0.115    | 64.85            | 17.72    | 0                | 0.26         | 3.975           | 7.36238022  |
| 2/6/2018      | 05:09:10  | 0.112    | 65.35            | 17.73    | 0                | 0.246        | 3.909           | 6.965944362 |
| 2/6/2018      | 05:39:10  | 0.106    | 65.71            | 17.75    | 0                | 0.219        | 3.775           | 6.201389493 |
| 2/6/2018      | 06:09:10  | 0.109    | 66.07            | 17.75    | 0                | 0.232        | 3.843           | 6.569508504 |
| 2/6/2018      | 06:39:10  | 0.109    | 66.25            | 17.74    | 0                | 0.232        | 3.843           | 6.569508504 |
| 2/6/2018      | 07:09:10  | 0.117    | 66.43            | 17.73    | 0                | 0.269        | 4.019           | 7.617231843 |
| 2/6/2018      | 07:39:10  | 0.11     | 66.52            | 17.73    | 0                | 0.237        | 3.865           | 6.711092739 |
| 2/6/2018      | 08:09:10  | 0.109    | 66.75            | 17.73    | 0                | 0.232        | 3.843           | 6.569508504 |
| 2/6/2018      | 08:39:10  | 0.106    | 66.79            | 17.72    | 0                | 0.219        | 3.775           | 6.201389493 |
| 2/6/2018      | 09:09:10  | 0.105    | 66.97            | 17.72    | 0                | 0.215        | 3.753           | 6.088122105 |
| 2/6/2018      | 09:39:10  | 0.11     | 67.02            | 17.71    | 0                | 0.237        | 3.865           | 6.711092739 |
| 2/6/2018      | 10:09:10  | 0.104    | 66.97            | 17.7     | 0                | 0.211        | 3.73            | 5.974854717 |
| 2/6/2018      | 10:39:10  | 0.107    | 66.93            | 17.7     | 0                | 0.224        | 3.798           | 6.342973728 |
| 2/6/2018      | 11:09:10  | 0.106    | 66.88            | 17.68    | 0                | 0.219        | 3.775           | 6.201389493 |
| 2/6/2018      | 11:39:10  | 0.102    | 66.7             | 17.68    | 0                | 0.202        | 3.684           | 5.720003094 |
| 2/6/2018      | 12:09:10  | 0.104    | 66.75            | 17.68    | 0                | 0.211        | 3.73            | 5.974854717 |
| 2/6/2018      | 12:39:10  | 0.103    | 66.52            | 17.67    | 0                | 0.207        | 3.707           | 5.861587329 |
| 2/6/2018      | 13:09:10  | 0.102    | 66.25            | 17.66    | 0                | 0.202        | 3.684           | 5.720003094 |
| 2/6/2018      | 13:39:10  | 0.099    | 66.03            | 17.65    | 0                | 0.19         | 3.615           | 5.38020093  |
| 2/6/2018      | 14:09:10  | 0.098    | 65.66            | 17.64    | 0                | 0.182        | 3.569           | 5.153666154 |
| 2/6/2018      | 14:39:10  | 0.096    | 65.39            | 17.63    | 0                | 0.174        | 3.522           | 4.927131378 |
| 2/6/2018      | 15:09:10  | 0.095    | 65.08            | 17.62    | 0                | 0.171        | 3.498           | 4.842180837 |
| 2/6/2018      | 15:39:10  | 0.096    | 64.76            | 17.62    | 0                | 0.174        | 3.522           | 4.927131378 |
| 2/6/2018      | 16:09:10  | 0.095    | 64.4             | 17.61    | 0                | 0.171        | 3.498           | 4.842180837 |
| 2/6/2018      | 16:39:10  | 0.093    | 64.13            | 17.6     | 0                | 0.163        | 3.451           | 4.615646061 |
| 2/6/2018      | 17:09:10  | 0.093    | 63.81            | 17.6     | 0                | 0.163        | 3.451           | 4.615646061 |
| 2/6/2018      | 17:39:10  | 0.092    | 63.54            | 17.6     | 0                | 0.159        | 3.427           | 4.502378673 |
| 2/6/2018      | 18:09:10  | 0.091    | 63.31            | 17.59    | 0                | 0.156        | 3.403           | 4.417428132 |
| 2/6/2018      | 18:39:10  | 0.093    | 63.04            | 17.59    | 0                | 0.163        | 3.451           | 4.615646061 |
| 2/6/2018      | 19:09:10  | 0.087    | 62.82            | 17.59    | 0                | 0.142        | 3.306           | 4.020992274 |
| 2/6/2018      | 19:39:10  | 0.092    | 62.59            | 17.59    | 0                | 0.159        | 3.427           | 4.502378673 |
| 2/6/2018      | 20:09:10  | 0.087    | 62.37            | 17.59    | 0                | 0.142        | 3.306           | 4.020992274 |
| 2/6/2018      | 20:39:10  | 0.089    | 62.18            | 17.59    | 0                | 0.149        | 3.355           | 4.219210203 |
| 2/6/2018      | 21:09:10  | 0.09     | 62               | 17.59    | 0                | 0.152        | 3.379           | 4.304160744 |
| 2/6/2018      | 21:39:10  | 0.086    | 61.78            | 17.59    | 0                | 0.138        | 3.282           | 3.907724886 |
| 2/6/2018      | 22:09:10  | 0.09     | 61.64            | 17.59    | 0                | 0.152        | 3.379           | 4.304160744 |
| 2/6/2018      | 22:39:10  | 0.089    | 61.51            | 17.59    | 0                | 0.149        | 3.355           | 4.219210203 |
| 2/6/2018      | 23:09:10  | 0.086    | 61.46            | 17.6     | 0                | 0.138        | 3.282           | 3.907724886 |
| 2/6/2018      | 23:39:10  | 0.087    | 61.46            | 17.62    | 0                | 0.142        | 3.306           | 4.020992274 |



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 3/6/2018      | 00:09:10  | 0.089    | 61.55            | 17.63    | 0                | 0.149        | 3.355           | 4.219210203 |
| 3/6/2018      | 00:39:10  | 0.086    | 61.69            | 17.64    | 0                | 0.138        | 3.282           | 3.907724886 |
| 3/6/2018      | 01:09:10  | 0.088    | 61.91            | 17.67    | 0                | 0.145        | 3.331           | 4.105942815 |
| 3/6/2018      | 01:39:10  | 0.089    | 62.23            | 17.7     | 0                | 0.149        | 3.355           | 4.219210203 |
| 3/6/2018      | 02:09:10  | 0.088    | 62.55            | 17.72    | 0                | 0.145        | 3.331           | 4.105942815 |
| 3/6/2018      | 02:39:10  | 0.092    | 62.91            | 17.73    | 0                | 0.159        | 3.427           | 4.502378673 |
| 3/6/2018      | 03:09:10  | 0.09     | 63.27            | 17.74    | 0                | 0.152        | 3.379           | 4.304160744 |
| 3/6/2018      | 03:39:10  | 0.091    | 63.63            | 17.75    | 0                | 0.156        | 3.403           | 4.417428132 |
| 3/6/2018      | 04:09:10  | 0.092    | 63.99            | 17.75    | 0                | 0.159        | 3.427           | 4.502378673 |
| 3/6/2018      | 04:39:10  | 0.093    | 64.44            | 17.75    | 0                | 0.163        | 3.451           | 4.615646061 |
| 3/6/2018      | 05:09:10  | 0.095    | 64.94            | 17.75    | 0                | 0.171        | 3.498           | 4.842180837 |
| 3/6/2018      | 05:39:10  | 0.095    | 65.53            | 17.75    | 0                | 0.171        | 3.498           | 4.842180837 |
| 3/6/2018      | 06:09:10  | 0.095    | 66.16            | 17.76    | 0                | 0.171        | 3.498           | 4.842180837 |
| 3/6/2018      | 06:39:10  | 0.093    | 66.48            | 17.76    | 0                | 0.163        | 3.451           | 4.615646061 |
| 3/6/2018      | 07:09:10  | 0.095    | 67.02            | 17.75    | 0                | 0.171        | 3.498           | 4.842180837 |
| 3/6/2018      | 07:39:10  | 0.094    | 67.38            | 17.75    | 0                | 0.167        | 3.475           | 4.728913449 |
| 3/6/2018      | 08:09:10  | 0.094    | 67.7             | 17.74    | 0                | 0.167        | 3.475           | 4.728913449 |
| 3/6/2018      | 08:39:10  | 0.095    | 68.06            | 17.74    | 0                | 0.171        | 3.498           | 4.842180837 |
| 3/6/2018      | 09:09:10  | 0.093    | 68.15            | 17.73    | 0                | 0.163        | 3.451           | 4.615646061 |
| 3/6/2018      | 09:39:10  | 0.092    | 68.15            | 17.72    | 0                | 0.159        | 3.427           | 4.502378673 |
| 3/6/2018      | 10:09:10  | 0.091    | 68.1             | 17.69    | 0                | 0.156        | 3.403           | 4.417428132 |
| 3/6/2018      | 10:39:10  | 0.093    | 67.97            | 17.66    | 0                | 0.163        | 3.451           | 4.615646061 |
| 3/6/2018      | 11:09:10  | 0.093    | 67.74            | 17.65    | 0                | 0.163        | 3.451           | 4.615646061 |
| 3/6/2018      | 11:39:10  | 0.09     | 67.52            | 17.64    | 0                | 0.152        | 3.379           | 4.304160744 |
| 3/6/2018      | 12:09:10  | 0.092    | 67.16            | 17.63    | 0                | 0.159        | 3.427           | 4.502378673 |
| 3/6/2018      | 12:39:10  | 0.088    | 66.88            | 17.62    | 0                | 0.145        | 3.331           | 4.105942815 |
| 3/6/2018      | 13:09:10  | 0.088    | 66.52            | 17.62    | 0                | 0.145        | 3.331           | 4.105942815 |
| 3/6/2018      | 13:39:10  | 0.088    | 66.16            | 17.62    | 0                | 0.145        | 3.331           | 4.105942815 |
| 3/6/2018      | 14:09:10  | 0.086    | 65.84            | 17.61    | 0                | 0.138        | 3.282           | 3.907724886 |
| 3/6/2018      | 14:39:10  | 0.086    | 65.48            | 17.6     | 0                | 0.138        | 3.282           | 3.907724886 |
| 3/6/2018      | 15:09:10  | 0.085    | 65.17            | 17.6     | 0                | 0.135        | 3.257           | 3.822774345 |
| 3/6/2018      | 15:39:10  | 0.086    | 64.81            | 17.6     | 0                | 0.138        | 3.282           | 3.907724886 |
| 3/6/2018      | 16:09:10  | 0.083    | 64.49            | 17.59    | 0                | 0.128        | 3.208           | 3.624556416 |
| 3/6/2018      | 16:39:10  | 0.085    | 64.22            | 17.59    | 0                | 0.135        | 3.257           | 3.822774345 |
| 3/6/2018      | 17:09:10  | 0.083    | 63.95            | 17.59    | 0                | 0.128        | 3.208           | 3.624556416 |
| 3/6/2018      | 17:39:10  | 0.084    | 63.68            | 17.59    | 0                | 0.132        | 3.232           | 3.737823804 |
| 3/6/2018      | 18:09:10  | 0.086    | 63.45            | 17.59    | 0                | 0.138        | 3.282           | 3.907724886 |
| 3/6/2018      | 18:39:10  | 0.083    | 63.27            | 17.59    | 0                | 0.128        | 3.208           | 3.624556416 |
| 3/6/2018      | 19:09:10  | 0.083    | 63.04            | 17.59    | 0                | 0.128        | 3.208           | 3.624556416 |
| 3/6/2018      | 19:39:10  | 0.083    | 62.82            | 17.59    | 0                | 0.128        | 3.208           | 3.624556416 |
| 3/6/2018      | 20:09:10  | 0.084    | 62.64            | 17.59    | 0                | 0.132        | 3.232           | 3.737823804 |
| 3/6/2018      | 20:39:10  | 0.082    | 62.41            | 17.59    | 0                | 0.125        | 3.183           | 3.539605875 |
| 3/6/2018      | 21:09:10  | 0.082    | 62.27            | 17.59    | 0                | 0.125        | 3.183           | 3.539605875 |
| 3/6/2018      | 21:39:10  | 0.083    | 62.09            | 17.59    | 0                | 0.128        | 3.208           | 3.624556416 |
| 3/6/2018      | 22:09:10  | 0.082    | 61.96            | 17.59    | 0                | 0.125        | 3.183           | 3.539605875 |
| 3/6/2018      | 22:39:10  | 0.081    | 61.87            | 17.6     | 0                | 0.122        | 3.158           | 3.454655334 |
| 3/6/2018      | 23:09:10  | 0.083    | 61.78            | 17.6     | 0                | 0.128        | 3.208           | 3.624556416 |
| 3/6/2018      | 23:39:10  | 0.081    | 61.82            | 17.6     | 0                | 0.122        | 3.158           | 3.454655334 |
| 4/6/2018      | 00:09:10  | 0.082    | 61.96            | 17.62    | 0                | 0.125        | 3.183           | 3.539605875 |
| 4/6/2018      | 00:39:10  | 0.082    | 62.18            | 17.63    | 0                | 0.125        | 3.183           | 3.539605875 |
| 4/6/2018      | 01:09:10  | 0.085    | 62.46            | 17.65    | 0                | 0.135        | 3.257           | 3.822774345 |
| 4/6/2018      | 01:39:10  | 0.085    | 62.82            | 17.69    | 0                | 0.135        | 3.257           | 3.822774345 |
| 4/6/2018      | 02:09:10  | 0.088    | 63.22            | 17.72    | 0                | 0.145        | 3.331           | 4.105942815 |
| 4/6/2018      | 02:39:10  | 0.087    | 63.63            | 17.73    | 0                | 0.142        | 3.306           | 4.020992274 |
| 4/6/2018      | 03:09:10  | 0.088    | 64.17            | 17.74    | 0                | 0.145        | 3.331           | 4.105942815 |
| 4/6/2018      | 03:39:10  | 0.088    | 64.62            | 17.75    | 0                | 0.145        | 3.331           | 4.105942815 |
| 4/6/2018      | 04:09:10  | 0.089    | 65.12            | 17.76    | 0                | 0.149        | 3.355           | 4.219210203 |
| 4/6/2018      | 04:39:10  | 0.09     | 65.39            | 17.75    | 0                | 0.152        | 3.379           | 4.304160744 |
| 4/6/2018      | 05:09:10  | 0.09     | 65.75            | 17.73    | 0                | 0.152        | 3.379           | 4.304160744 |
| 4/6/2018      | 05:39:10  | 0.093    | 66.21            | 17.73    | 0                | 0.163        | 3.451           | 4.615646061 |
| 4/6/2018      | 06:09:10  | 0.093    | 66.79            | 17.73    | 0                | 0.163        | 3.451           | 4.615646061 |
| 4/6/2018      | 06:39:10  | 0.093    | 67.38            | 17.73    | 0                | 0.163        | 3.451           | 4.615646061 |
| 4/6/2018      | 07:09:10  | 0.094    | 67.83            | 17.75    | 0                | 0.167        | 3.475           | 4.728913449 |
| 4/6/2018      | 07:39:10  | 0.093    | 68.24            | 17.75    | 0                | 0.163        | 3.451           | 4.615646061 |
| 4/6/2018      | 08:09:10  | 0.094    | 68.51            | 17.74    | 0                | 0.167        | 3.475           | 4.728913449 |
| 4/6/2018      | 08:39:10  | 0.093    | 68.78            | 17.73    | 0                | 0.163        | 3.451           | 4.615646061 |
| 4/6/2018      | 09:09:10  | 0.093    | 69.01            | 17.73    | 0                | 0.163        | 3.451           | 4.615646061 |
| 4/6/2018      | 09:39:10  | 0.094    | 69.14            | 17.72    | 0                | 0.167        | 3.475           | 4.728913449 |
| 4/6/2018      | 10:09:10  | 0.093    | 69.19            | 17.7     | 0                | 0.163        | 3.451           | 4.615646061 |
| 4/6/2018      | 10:39:10  | 0.093    | 69.1             | 17.68    | 0                | 0.163        | 3.451           | 4.615646061 |
| 4/6/2018      | 11:09:10  | 0.092    | 68.96            | 17.66    | 0                | 0.159        | 3.427           | 4.502378673 |
| 4/6/2018      | 11:39:10  | 0.091    | 68.78            | 17.65    | 0                | 0.156        | 3.403           | 4.417428132 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 4/6/2018      | 12:09:10  | 0.091    | 68.47            | 17.64    | 0                | 0.156        | 3.403           | 4.417428132 |
| 4/6/2018      | 12:39:10  | 0.09     | 68.28            | 17.63    | 0                | 0.152        | 3.379           | 4.304160744 |
| 4/6/2018      | 13:09:10  | 0.092    | 67.97            | 17.62    | 0                | 0.159        | 3.427           | 4.502378673 |
| 4/6/2018      | 13:39:10  | 0.091    | 67.74            | 17.61    | 0                | 0.156        | 3.403           | 4.417428132 |
| 4/6/2018      | 14:09:10  | 0.09     | 67.38            | 17.6     | 0                | 0.152        | 3.379           | 4.304160744 |
| 4/6/2018      | 14:39:10  | 0.092    | 67.11            | 17.6     | 0                | 0.159        | 3.427           | 4.502378673 |
| 4/6/2018      | 15:09:10  | 0.092    | 66.79            | 17.59    | 0                | 0.159        | 3.427           | 4.502378673 |
| 4/6/2018      | 15:39:10  | 0.09     | 66.52            | 17.58    | 0                | 0.152        | 3.379           | 4.304160744 |
| 4/6/2018      | 16:09:10  | 0.088    | 66.25            | 17.58    | 0                | 0.145        | 3.331           | 4.105942815 |
| 4/6/2018      | 16:39:10  | 0.09     | 65.98            | 17.57    | 0                | 0.152        | 3.379           | 4.304160744 |
| 4/6/2018      | 17:09:10  | 0.088    | 65.75            | 17.57    | 0                | 0.145        | 3.331           | 4.105942815 |
| 4/6/2018      | 17:39:10  | 0.089    | 65.48            | 17.58    | 0                | 0.149        | 3.355           | 4.219210203 |
| 4/6/2018      | 18:09:10  | 0.089    | 65.26            | 17.57    | 0                | 0.149        | 3.355           | 4.219210203 |
| 4/6/2018      | 18:39:10  | 0.09     | 64.99            | 17.58    | 0                | 0.152        | 3.379           | 4.304160744 |
| 4/6/2018      | 19:09:10  | 0.089    | 64.76            | 17.57    | 0                | 0.149        | 3.355           | 4.219210203 |
| 4/6/2018      | 19:39:10  | 0.089    | 64.58            | 17.58    | 0                | 0.149        | 3.355           | 4.219210203 |
| 4/6/2018      | 20:09:10  | 0.089    | 64.35            | 17.58    | 0                | 0.149        | 3.355           | 4.219210203 |
| 4/6/2018      | 20:39:10  | 0.088    | 64.13            | 17.57    | 0                | 0.145        | 3.331           | 4.105942815 |
| 4/6/2018      | 21:09:10  | 0.089    | 63.9             | 17.57    | 0                | 0.149        | 3.355           | 4.219210203 |
| 4/6/2018      | 21:39:10  | 0.087    | 63.72            | 17.58    | 0                | 0.142        | 3.306           | 4.020992274 |
| 4/6/2018      | 22:09:10  | 0.088    | 63.49            | 17.57    | 0                | 0.145        | 3.331           | 4.105942815 |
| 4/6/2018      | 22:39:10  | 0.087    | 63.4             | 17.57    | 0                | 0.142        | 3.306           | 4.020992274 |
| 4/6/2018      | 23:09:10  | 0.087    | 63.36            | 17.59    | 0                | 0.142        | 3.306           | 4.020992274 |
| 4/6/2018      | 23:39:10  | 0.088    | 63.31            | 17.6     | 0                | 0.145        | 3.331           | 4.105942815 |
| 5/6/2018      | 00:09:10  | 0.088    | 63.27            | 17.6     | 0                | 0.145        | 3.331           | 4.105942815 |
| 5/6/2018      | 00:39:10  | 0.09     | 63.27            | 17.61    | 0                | 0.152        | 3.379           | 4.304160744 |
| 5/6/2018      | 01:09:10  | 0.089    | 63.31            | 17.62    | 0                | 0.149        | 3.355           | 4.219210203 |
| 5/6/2018      | 01:39:10  | 0.087    | 63.31            | 17.63    | 0                | 0.142        | 3.306           | 4.020992274 |
| 5/6/2018      | 02:09:10  | 0.091    | 63.36            | 17.63    | 0                | 0.156        | 3.403           | 4.417428132 |
| 5/6/2018      | 02:39:10  | 0.089    | 63.36            | 17.62    | 0                | 0.149        | 3.355           | 4.219210203 |
| 5/6/2018      | 03:09:10  | 0.089    | 63.49            | 17.63    | 0                | 0.149        | 3.355           | 4.219210203 |
| 5/6/2018      | 03:39:10  | 0.089    | 63.63            | 17.64    | 0                | 0.149        | 3.355           | 4.219210203 |
| 5/6/2018      | 04:09:10  | 0.091    | 63.77            | 17.65    | 0                | 0.156        | 3.403           | 4.417428132 |
| 5/6/2018      | 04:39:10  | 0.089    | 63.86            | 17.64    | 0                | 0.149        | 3.355           | 4.219210203 |
| 5/6/2018      | 05:09:10  | 0.09     | 63.95            | 17.64    | 0                | 0.152        | 3.379           | 4.304160744 |
| 5/6/2018      | 05:39:10  | 0.088    | 64.13            | 17.64    | 0                | 0.145        | 3.331           | 4.105942815 |
| 5/6/2018      | 06:09:10  | 0.09     | 64.31            | 17.64    | 0                | 0.152        | 3.379           | 4.304160744 |
| 5/6/2018      | 06:39:10  | 0.089    | 64.44            | 17.64    | 0                | 0.149        | 3.355           | 4.219210203 |
| 5/6/2018      | 07:09:10  | 0.088    | 64.67            | 17.64    | 0                | 0.145        | 3.331           | 4.105942815 |
| 5/6/2018      | 07:39:10  | 0.088    | 64.81            | 17.64    | 0                | 0.145        | 3.331           | 4.105942815 |
| 5/6/2018      | 08:09:10  | 0.089    | 65.03            | 17.64    | 0                | 0.149        | 3.355           | 4.219210203 |
| 5/6/2018      | 08:39:10  | 0.089    | 65.03            | 17.64    | 0                | 0.149        | 3.355           | 4.219210203 |
| 5/6/2018      | 09:09:10  | 0.089    | 65.03            | 17.62    | 0                | 0.149        | 3.355           | 4.219210203 |
| 5/6/2018      | 09:39:10  | 0.09     | 65.03            | 17.62    | 0                | 0.152        | 3.379           | 4.304160744 |
| 5/6/2018      | 10:09:10  | 0.09     | 65.08            | 17.62    | 0                | 0.152        | 3.379           | 4.304160744 |
| 5/6/2018      | 10:39:10  | 0.089    | 65.03            | 17.6     | 0                | 0.149        | 3.355           | 4.219210203 |
| 5/6/2018      | 11:09:10  | 0.088    | 65.03            | 17.6     | 0                | 0.145        | 3.331           | 4.105942815 |
| 5/6/2018      | 11:39:10  | 0.086    | 64.99            | 17.6     | 0                | 0.138        | 3.282           | 3.907724886 |
| 5/6/2018      | 12:09:10  | 0.085    | 64.9             | 17.6     | 0                | 0.135        | 3.257           | 3.822774345 |
| 5/6/2018      | 12:39:10  | 0.086    | 64.71            | 17.59    | 0                | 0.138        | 3.282           | 3.907724886 |
| 5/6/2018      | 13:09:10  | 0.085    | 64.58            | 17.59    | 0                | 0.135        | 3.257           | 3.822774345 |
| 5/6/2018      | 13:39:10  | 0.088    | 64.35            | 17.58    | 0                | 0.145        | 3.331           | 4.105942815 |
| 5/6/2018      | 14:09:10  | 0.086    | 64.13            | 17.57    | 0                | 0.138        | 3.282           | 3.907724886 |
| 5/6/2018      | 14:39:10  | 0.085    | 63.9             | 17.56    | 0                | 0.135        | 3.257           | 3.822774345 |
| 5/6/2018      | 15:09:10  | 0.086    | 63.63            | 17.56    | 0                | 0.138        | 3.282           | 3.907724886 |
| 5/6/2018      | 15:39:10  | 0.086    | 63.45            | 17.56    | 0                | 0.138        | 3.282           | 3.907724886 |
| 5/6/2018      | 16:09:10  | 0.084    | 63.27            | 17.55    | 0                | 0.132        | 3.232           | 3.737823804 |
| 5/6/2018      | 16:39:10  | 0.084    | 63.09            | 17.54    | 0                | 0.132        | 3.232           | 3.737823804 |
| 5/6/2018      | 17:09:10  | 0.084    | 62.91            | 17.54    | 0                | 0.132        | 3.232           | 3.737823804 |
| 5/6/2018      | 17:39:10  | 0.083    | 62.73            | 17.54    | 0                | 0.128        | 3.208           | 3.624556416 |
| 5/6/2018      | 18:09:10  | 0.085    | 62.55            | 17.54    | 0                | 0.135        | 3.257           | 3.822774345 |
| 5/6/2018      | 18:39:10  | 0.083    | 62.41            | 17.54    | 0                | 0.128        | 3.208           | 3.624556416 |
| 5/6/2018      | 19:09:10  | 0.084    | 62.23            | 17.53    | 0                | 0.132        | 3.232           | 3.737823804 |
| 5/6/2018      | 19:39:10  | 0.083    | 62.05            | 17.53    | 0                | 0.128        | 3.208           | 3.624556416 |
| 5/6/2018      | 20:09:10  | 0.083    | 61.91            | 17.53    | 0                | 0.128        | 3.208           | 3.624556416 |
| 5/6/2018      | 20:39:10  | 0.084    | 61.82            | 17.53    | 0                | 0.132        | 3.232           | 3.737823804 |
| 5/6/2018      | 21:09:10  | 0.083    | 61.69            | 17.54    | 0                | 0.128        | 3.208           | 3.624556416 |
| 5/6/2018      | 21:39:10  | 0.082    | 61.6             | 17.54    | 0                | 0.125        | 3.183           | 3.539605875 |
| 5/6/2018      | 22:09:10  | 0.082    | 61.51            | 17.54    | 0                | 0.125        | 3.183           | 3.539605875 |
| 5/6/2018      | 22:39:10  | 0.082    | 61.42            | 17.54    | 0                | 0.125        | 3.183           | 3.539605875 |
| 5/6/2018      | 23:09:10  | 0.083    | 61.37            | 17.54    | 0                | 0.128        | 3.208           | 3.624556416 |
| 5/6/2018      | 23:39:10  | 0.084    | 61.33            | 17.55    | 0                | 0.132        | 3.232           | 3.737823804 |



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 6/6/2018      | 00:09:10  | 0.085    | 61.33            | 17.56    | 0                | 0.135        | 3.257           | 3.822774345 |
| 6/6/2018      | 00:39:10  | 0.085    | 61.37            | 17.56    | 0                | 0.135        | 3.257           | 3.822774345 |
| 6/6/2018      | 01:09:10  | 0.084    | 61.46            | 17.57    | 0                | 0.132        | 3.232           | 3.737823804 |
| 6/6/2018      | 01:39:10  | 0.084    | 61.6             | 17.59    | 0                | 0.132        | 3.232           | 3.737823804 |
| 6/6/2018      | 02:09:10  | 0.085    | 61.73            | 17.6     | 0                | 0.135        | 3.257           | 3.822774345 |
| 6/6/2018      | 02:39:10  | 0.085    | 61.96            | 17.61    | 0                | 0.135        | 3.257           | 3.822774345 |
| 6/6/2018      | 03:09:10  | 0.085    | 62.23            | 17.63    | 0                | 0.135        | 3.257           | 3.822774345 |
| 6/6/2018      | 03:39:10  | 0.086    | 62.73            | 17.64    | 0                | 0.138        | 3.282           | 3.907724886 |
| 6/6/2018      | 04:09:10  | 0.086    | 63.13            | 17.65    | 0                | 0.138        | 3.282           | 3.907724886 |
| 6/6/2018      | 04:39:10  | 0.085    | 63.59            | 17.66    | 0                | 0.135        | 3.257           | 3.822774345 |
| 6/6/2018      | 05:09:10  | 0.087    | 64.17            | 17.67    | 0                | 0.142        | 3.306           | 4.020992274 |
| 6/6/2018      | 05:39:10  | 0.079    | 64.58            | 17.67    | 0                | 0.116        | 3.107           | 3.284754252 |
| 6/6/2018      | 06:09:10  | 0.081    | 65.39            | 17.68    | 0                | 0.122        | 3.158           | 3.454655334 |
| 6/6/2018      | 06:39:10  | 0.082    | 65.98            | 17.67    | 0                | 0.125        | 3.183           | 3.539605875 |
| 6/6/2018      | 07:09:10  | 0.082    | 66.48            | 17.68    | 0                | 0.125        | 3.183           | 3.539605875 |
| 6/6/2018      | 07:39:10  | 0.083    | 66.84            | 17.67    | 0                | 0.128        | 3.208           | 3.624556416 |
| 6/6/2018      | 08:09:10  | 0.082    | 67.2             | 17.67    | 0                | 0.125        | 3.183           | 3.539605875 |
| 6/6/2018      | 08:39:10  | 0.083    | 67.38            | 17.67    | 0                | 0.128        | 3.208           | 3.624556416 |
| 6/6/2018      | 09:09:10  | 0.083    | 67.47            | 17.66    | 0                | 0.128        | 3.208           | 3.624556416 |
| 6/6/2018      | 09:39:10  | 0.084    | 67.43            | 17.64    | 0                | 0.132        | 3.232           | 3.737823804 |
| 6/6/2018      | 10:09:10  | 0.083    | 67.43            | 17.61    | 0                | 0.128        | 3.208           | 3.624556416 |
| 6/6/2018      | 10:39:10  | 0.085    | 67.38            | 17.59    | 0                | 0.135        | 3.257           | 3.822774345 |
| 6/6/2018      | 11:09:10  | 0.085    | 67.2             | 17.58    | 0                | 0.135        | 3.257           | 3.822774345 |
| 6/6/2018      | 11:39:10  | 0.084    | 66.93            | 17.57    | 0                | 0.132        | 3.232           | 3.737823804 |
| 6/6/2018      | 12:09:10  | 0.084    | 66.66            | 17.56    | 0                | 0.132        | 3.232           | 3.737823804 |
| 6/6/2018      | 12:39:10  | 0.085    | 66.34            | 17.55    | 0                | 0.135        | 3.257           | 3.822774345 |
| 6/6/2018      | 13:09:10  | 0.084    | 65.93            | 17.54    | 0                | 0.132        | 3.232           | 3.737823804 |
| 6/6/2018      | 13:39:10  | 0.084    | 65.57            | 17.53    | 0                | 0.132        | 3.232           | 3.737823804 |
| 6/6/2018      | 14:09:10  | 0.084    | 65.26            | 17.53    | 0                | 0.132        | 3.232           | 3.737823804 |
| 6/6/2018      | 14:39:10  | 0.085    | 64.94            | 17.52    | 0                | 0.135        | 3.257           | 3.822774345 |
| 6/6/2018      | 15:09:10  | 0.086    | 64.62            | 17.51    | 0                | 0.138        | 3.282           | 3.907724886 |
| 6/6/2018      | 15:39:10  | 0.087    | 64.31            | 17.51    | 0                | 0.142        | 3.306           | 4.020992274 |
| 6/6/2018      | 16:09:10  | 0.086    | 63.95            | 17.5     | 0                | 0.138        | 3.282           | 3.907724886 |
| 6/6/2018      | 16:39:10  | 0.085    | 63.68            | 17.5     | 0                | 0.135        | 3.257           | 3.822774345 |
| 6/6/2018      | 17:09:10  | 0.087    | 63.36            | 17.49    | 0                | 0.142        | 3.306           | 4.020992274 |
| 6/6/2018      | 17:39:10  | 0.087    | 63.09            | 17.49    | 0                | 0.142        | 3.306           | 4.020992274 |
| 6/6/2018      | 18:09:10  | 0.087    | 62.86            | 17.49    | 0                | 0.142        | 3.306           | 4.020992274 |
| 6/6/2018      | 18:39:10  | 0.089    | 62.59            | 17.49    | 0                | 0.149        | 3.355           | 4.219210203 |
| 6/6/2018      | 19:09:10  | 0.092    | 62.37            | 17.48    | 0                | 0.159        | 3.427           | 4.502378673 |
| 6/6/2018      | 19:39:10  | 0.089    | 62.18            | 17.48    | 0                | 0.149        | 3.355           | 4.219210203 |
| 6/6/2018      | 20:09:10  | 0.091    | 61.96            | 17.48    | 0                | 0.156        | 3.403           | 4.417428132 |
| 6/6/2018      | 20:39:10  | 0.088    | 61.82            | 17.48    | 0                | 0.145        | 3.331           | 4.105942815 |
| 6/6/2018      | 21:09:10  | 0.088    | 61.69            | 17.49    | 0                | 0.145        | 3.331           | 4.105942815 |
| 6/6/2018      | 21:39:10  | 0.09     | 61.55            | 17.49    | 0                | 0.152        | 3.379           | 4.304160744 |
| 6/6/2018      | 22:09:10  | 0.087    | 61.42            | 17.49    | 0                | 0.142        | 3.306           | 4.020992274 |
| 6/6/2018      | 22:39:10  | 0.086    | 61.33            | 17.5     | 0                | 0.138        | 3.282           | 3.907724886 |
| 6/6/2018      | 23:09:10  | 0.087    | 61.24            | 17.5     | 0                | 0.142        | 3.306           | 4.020992274 |
| 6/6/2018      | 23:39:10  | 0.086    | 61.24            | 17.5     | 0                | 0.138        | 3.282           | 3.907724886 |
| 7/6/2018      | 00:09:10  | 0.088    | 61.37            | 17.51    | 0                | 0.145        | 3.331           | 4.105942815 |
| 7/6/2018      | 00:39:10  | 0.09     | 61.51            | 17.52    | 0                | 0.152        | 3.379           | 4.304160744 |
| 7/6/2018      | 01:09:10  | 0.087    | 61.73            | 17.56    | 0                | 0.142        | 3.306           | 4.020992274 |
| 7/6/2018      | 01:39:10  | 0.087    | 62.05            | 17.59    | 0                | 0.142        | 3.306           | 4.020992274 |
| 7/6/2018      | 02:09:10  | 0.088    | 62.41            | 17.62    | 0                | 0.145        | 3.331           | 4.105942815 |
| 7/6/2018      | 02:39:10  | 0.089    | 62.77            | 17.64    | 0                | 0.149        | 3.355           | 4.219210203 |
| 7/6/2018      | 03:09:10  | 0.089    | 63.22            | 17.65    | 0                | 0.149        | 3.355           | 4.219210203 |
| 7/6/2018      | 03:39:10  | 0.089    | 63.4             | 17.65    | 0                | 0.149        | 3.355           | 4.219210203 |
| 7/6/2018      | 04:09:10  | 0.089    | 63.86            | 17.65    | 0                | 0.149        | 3.355           | 4.219210203 |
| 7/6/2018      | 04:39:10  | 0.09     | 64.44            | 17.66    | 0                | 0.152        | 3.379           | 4.304160744 |
| 7/6/2018      | 05:09:10  | 0.09     | 64.85            | 17.67    | 0                | 0.152        | 3.379           | 4.304160744 |
| 7/6/2018      | 05:39:10  | 0.09     | 65.48            | 17.67    | 0                | 0.152        | 3.379           | 4.304160744 |
| 7/6/2018      | 06:09:10  | 0.09     | 66.21            | 17.67    | 0                | 0.152        | 3.379           | 4.304160744 |
| 7/6/2018      | 06:39:10  | 0.09     | 66.75            | 17.66    | 0                | 0.152        | 3.379           | 4.304160744 |
| 7/6/2018      | 07:09:10  | 0.089    | 67.06            | 17.65    | 0                | 0.149        | 3.355           | 4.219210203 |
| 7/6/2018      | 07:39:10  | 0.088    | 67.29            | 17.64    | 0                | 0.145        | 3.331           | 4.105942815 |
| 7/6/2018      | 08:09:10  | 0.089    | 67.61            | 17.64    | 0                | 0.149        | 3.355           | 4.219210203 |
| 7/6/2018      | 08:39:10  | 0.087    | 67.7             | 17.62    | 0                | 0.142        | 3.306           | 4.020992274 |
| 7/6/2018      | 09:09:10  | 0.087    | 67.83            | 17.61    | 0                | 0.142        | 3.306           | 4.020992274 |
| 7/6/2018      | 09:39:10  | 0.086    | 67.83            | 17.6     | 0                | 0.138        | 3.282           | 3.907724886 |
| 7/6/2018      | 10:09:10  | 0.085    | 67.7             | 17.59    | 0                | 0.135        | 3.257           | 3.822774345 |
| 7/6/2018      | 10:39:10  | 0.085    | 67.47            | 17.57    | 0                | 0.135        | 3.257           | 3.822774345 |
| 7/6/2018      | 11:09:10  | 0.085    | 67.34            | 17.56    | 0                | 0.135        | 3.257           | 3.822774345 |
| 7/6/2018      | 11:39:10  | 0.084    | 67.11            | 17.55    | 0                | 0.132        | 3.232           | 3.737823804 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 7/6/2018      | 12:09:10  | 0.084    | 66.88            | 17.54    | 0                | 0.132        | 3.232           | 3.737823804 |
| 7/6/2018      | 12:39:10  | 0.083    | 66.57            | 17.53    | 0                | 0.128        | 3.208           | 3.624556416 |
| 7/6/2018      | 13:09:10  | 0.083    | 66.34            | 17.52    | 0                | 0.128        | 3.208           | 3.624556416 |
| 7/6/2018      | 13:39:10  | 0.083    | 66.12            | 17.52    | 0                | 0.128        | 3.208           | 3.624556416 |
| 7/6/2018      | 14:09:10  | 0.083    | 65.89            | 17.51    | 0                | 0.128        | 3.208           | 3.624556416 |
| 7/6/2018      | 14:39:10  | 0.082    | 65.66            | 17.51    | 0                | 0.125        | 3.183           | 3.539605875 |
| 7/6/2018      | 15:09:10  | 0.082    | 65.44            | 17.51    | 0                | 0.125        | 3.183           | 3.539605875 |
| 7/6/2018      | 15:39:10  | 0.082    | 65.17            | 17.51    | 0                | 0.125        | 3.183           | 3.539605875 |
| 7/6/2018      | 16:09:10  | 0.082    | 64.99            | 17.5     | 0                | 0.125        | 3.183           | 3.539605875 |
| 7/6/2018      | 16:39:10  | 0.082    | 64.85            | 17.5     | 0                | 0.125        | 3.183           | 3.539605875 |
| 7/6/2018      | 17:09:10  | 0.084    | 64.67            | 17.5     | 0                | 0.132        | 3.232           | 3.737823804 |
| 7/6/2018      | 17:39:10  | 0.086    | 64.4             | 17.51    | 0                | 0.138        | 3.282           | 3.907724886 |
| 7/6/2018      | 18:09:10  | 0.094    | 64.08            | 17.5     | 0                | 0.167        | 3.475           | 4.728913449 |
| 7/6/2018      | 18:39:10  | 0.094    | 63.9             | 17.5     | 0                | 0.167        | 3.475           | 4.728913449 |
| 7/6/2018      | 19:09:10  | 0.095    | 63.72            | 17.5     | 0                | 0.171        | 3.498           | 4.842180837 |
| 7/6/2018      | 19:39:10  | 0.095    | 63.59            | 17.5     | 0                | 0.171        | 3.498           | 4.842180837 |
| 7/6/2018      | 20:09:10  | 0.098    | 63.45            | 17.49    | 0                | 0.182        | 3.569           | 5.153666154 |
| 7/6/2018      | 20:39:10  | 0.098    | 63.31            | 17.5     | 0                | 0.186        | 3.592           | 5.266933542 |
| 7/6/2018      | 21:09:10  | 0.098    | 63.18            | 17.49    | 0                | 0.186        | 3.592           | 5.266933542 |
| 7/6/2018      | 21:39:10  | 0.099    | 63.13            | 17.5     | 0                | 0.19         | 3.615           | 5.38020093  |
| 7/6/2018      | 22:09:10  | 0.099    | 63               | 17.5     | 0                | 0.19         | 3.615           | 5.38020093  |
| 7/6/2018      | 22:39:10  | 0.1      | 62.86            | 17.5     | 0                | 0.194        | 3.638           | 5.493468318 |
| 7/6/2018      | 23:09:10  | 0.102    | 62.82            | 17.5     | 0                | 0.202        | 3.684           | 5.720003094 |
| 7/6/2018      | 23:39:10  | 0.105    | 62.77            | 17.5     | 0                | 0.215        | 3.753           | 6.088122105 |
| 8/6/2018      | 00:09:10  | 0.106    | 62.73            | 17.51    | 0                | 0.219        | 3.775           | 6.201389493 |
| 8/6/2018      | 00:39:10  | 0.104    | 62.73            | 17.51    | 0                | 0.211        | 3.73            | 5.974854717 |
| 8/6/2018      | 01:09:10  | 0.109    | 62.77            | 17.51    | 0                | 0.232        | 3.843           | 6.569508504 |
| 8/6/2018      | 01:39:10  | 0.106    | 62.77            | 17.52    | 0                | 0.219        | 3.775           | 6.201389493 |
| 8/6/2018      | 02:09:10  | 0.106    | 62.77            | 17.52    | 0                | 0.219        | 3.775           | 6.201389493 |
| 8/6/2018      | 02:39:10  | 0.108    | 62.82            | 17.52    | 0                | 0.228        | 3.82            | 6.456241116 |
| 8/6/2018      | 03:09:10  | 0.109    | 62.82            | 17.52    | 0                | 0.232        | 3.843           | 6.569508504 |
| 8/6/2018      | 03:39:10  | 0.109    | 62.82            | 17.52    | 0                | 0.232        | 3.843           | 6.569508504 |
| 8/6/2018      | 04:09:10  | 0.109    | 62.82            | 17.51    | 0                | 0.232        | 3.843           | 6.569508504 |
| 8/6/2018      | 04:39:10  | 0.111    | 62.86            | 17.51    | 0                | 0.241        | 3.887           | 6.824360127 |
| 8/6/2018      | 05:09:10  | 0.112    | 62.91            | 17.52    | 0                | 0.246        | 3.909           | 6.965944362 |
| 8/6/2018      | 05:39:10  | 0.112    | 63               | 17.51    | 0                | 0.246        | 3.909           | 6.965944362 |
| 8/6/2018      | 06:09:10  | 0.111    | 63.09            | 17.52    | 0                | 0.241        | 3.887           | 6.824360127 |
| 8/6/2018      | 06:39:10  | 0.112    | 63.13            | 17.52    | 0                | 0.246        | 3.909           | 6.965944362 |
| 8/6/2018      | 07:09:10  | 0.112    | 63.18            | 17.52    | 0                | 0.246        | 3.909           | 6.965944362 |
| 8/6/2018      | 07:39:10  | 0.11     | 63.27            | 17.52    | 0                | 0.237        | 3.865           | 6.711092739 |
| 8/6/2018      | 08:09:10  | 0.113    | 63.31            | 17.52    | 0                | 0.251        | 3.932           | 7.107528597 |
| 8/6/2018      | 08:39:10  | 0.112    | 63.4             | 17.52    | 0                | 0.246        | 3.909           | 6.965944362 |
| 8/6/2018      | 09:09:10  | 0.111    | 63.45            | 17.52    | 0                | 0.241        | 3.887           | 6.824360127 |
| 8/6/2018      | 09:39:10  | 0.111    | 63.45            | 17.52    | 0                | 0.241        | 3.887           | 6.824360127 |
| 8/6/2018      | 10:09:10  | 0.111    | 63.54            | 17.51    | 0                | 0.241        | 3.887           | 6.824360127 |
| 8/6/2018      | 10:39:10  | 0.108    | 63.54            | 17.51    | 0                | 0.228        | 3.82            | 6.456241116 |
| 8/6/2018      | 11:09:10  | 0.111    | 63.59            | 17.51    | 0                | 0.241        | 3.887           | 6.824360127 |
| 8/6/2018      | 11:39:10  | 0.109    | 63.59            | 17.51    | 0                | 0.232        | 3.843           | 6.569508504 |
| 8/6/2018      | 12:09:10  | 0.111    | 63.59            | 17.51    | 0                | 0.241        | 3.887           | 6.824360127 |
| 8/6/2018      | 12:39:10  | 0.111    | 63.54            | 17.51    | 0                | 0.241        | 3.887           | 6.824360127 |
| 8/6/2018      | 13:09:10  | 0.105    | 63.54            | 17.51    | 0                | 0.215        | 3.753           | 6.088122105 |
| 8/6/2018      | 13:39:10  | 0.107    | 63.49            | 17.5     | 0                | 0.224        | 3.798           | 6.342973728 |
| 8/6/2018      | 14:09:10  | 0.106    | 63.45            | 17.49    | 0                | 0.219        | 3.775           | 6.201389493 |
| 8/6/2018      | 14:39:10  | 0.105    | 63.4             | 17.49    | 0                | 0.215        | 3.753           | 6.088122105 |
| 8/6/2018      | 15:09:10  | 0.109    | 63.36            | 17.49    | 0                | 0.232        | 3.843           | 6.569508504 |
| 8/6/2018      | 15:39:10  | 0.107    | 63.31            | 17.49    | 0                | 0.224        | 3.798           | 6.342973728 |
| 8/6/2018      | 16:09:10  | 0.107    | 63.22            | 17.48    | 0                | 0.224        | 3.798           | 6.342973728 |
| 8/6/2018      | 16:39:10  | 0.11     | 63.18            | 17.48    | 0                | 0.237        | 3.865           | 6.711092739 |
| 8/6/2018      | 17:09:10  | 0.107    | 63.13            | 17.48    | 0                | 0.224        | 3.798           | 6.342973728 |
| 8/6/2018      | 17:39:10  | 0.109    | 63.04            | 17.48    | 0                | 0.232        | 3.843           | 6.569508504 |
| 8/6/2018      | 18:09:10  | 0.11     | 63               | 17.48    | 0                | 0.237        | 3.865           | 6.711092739 |
| 8/6/2018      | 18:39:10  | 0.108    | 62.91            | 17.48    | 0                | 0.228        | 3.82            | 6.456241116 |
| 8/6/2018      | 19:09:10  | 0.106    | 62.86            | 17.48    | 0                | 0.219        | 3.775           | 6.201389493 |
| 8/6/2018      | 19:39:10  | 0.107    | 62.82            | 17.47    | 0                | 0.224        | 3.798           | 6.342973728 |
| 8/6/2018      | 20:09:10  | 0.103    | 62.77            | 17.48    | 0                | 0.207        | 3.707           | 5.861587329 |
| 8/6/2018      | 20:39:10  | 0.105    | 62.68            | 17.48    | 0                | 0.215        | 3.753           | 6.088122105 |
| 8/6/2018      | 21:09:10  | 0.103    | 62.68            | 17.48    | 0                | 0.207        | 3.707           | 5.861587329 |
| 8/6/2018      | 21:39:10  | 0.104    | 62.64            | 17.48    | 0                | 0.211        | 3.73            | 5.974854717 |
| 8/6/2018      | 22:09:10  | 0.105    | 62.55            | 17.47    | 0                | 0.215        | 3.753           | 6.088122105 |
| 8/6/2018      | 22:39:10  | 0.103    | 62.55            | 17.48    | 0                | 0.207        | 3.707           | 5.861587329 |
| 8/6/2018      | 23:09:10  | 0.102    | 62.5             | 17.48    | 0                | 0.202        | 3.684           | 5.720003094 |
| 8/6/2018      | 23:39:10  | 0.099    | 62.46            | 17.47    | 0                | 0.19         | 3.615           | 5.38020093  |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 9/6/2018      | 00:09:10  | 0.101    | 62.46            | 17.47    | 0                | 0.198        | 3.661           | 5.606735706 |
| 9/6/2018      | 00:39:10  | 0.099    | 62.46            | 17.48    | 0                | 0.19         | 3.615           | 5.38020093  |
| 9/6/2018      | 01:09:10  | 0.1      | 62.46            | 17.48    | 0                | 0.194        | 3.638           | 5.493468318 |
| 9/6/2018      | 01:39:10  | 0.1      | 62.5             | 17.48    | 0                | 0.194        | 3.638           | 5.493468318 |
| 9/6/2018      | 02:09:10  | 0.1      | 62.55            | 17.49    | 0                | 0.194        | 3.638           | 5.493468318 |
| 9/6/2018      | 02:39:10  | 0.101    | 62.59            | 17.49    | 0                | 0.198        | 3.661           | 5.606735706 |
| 9/6/2018      | 03:09:10  | 0.098    | 62.64            | 17.49    | 0                | 0.182        | 3.569           | 5.153666154 |
| 9/6/2018      | 03:39:10  | 0.097    | 62.73            | 17.49    | 0                | 0.178        | 3.545           | 5.040398766 |
| 9/6/2018      | 04:09:10  | 0.099    | 62.82            | 17.49    | 0                | 0.19         | 3.615           | 5.38020093  |
| 9/6/2018      | 04:39:10  | 0.097    | 62.91            | 17.49    | 0                | 0.178        | 3.545           | 5.040398766 |
| 9/6/2018      | 05:09:10  | 0.097    | 63.09            | 17.51    | 0                | 0.178        | 3.545           | 5.040398766 |
| 9/6/2018      | 05:39:10  | 0.099    | 63.27            | 17.51    | 0                | 0.19         | 3.615           | 5.38020093  |
| 9/6/2018      | 06:09:10  | 0.096    | 63.54            | 17.52    | 0                | 0.174        | 3.522           | 4.927131378 |
| 9/6/2018      | 06:39:10  | 0.098    | 63.77            | 17.52    | 0                | 0.186        | 3.592           | 5.266933542 |
| 9/6/2018      | 07:09:10  | 0.102    | 63.99            | 17.53    | 0                | 0.202        | 3.684           | 5.720003094 |
| 9/6/2018      | 07:39:10  | 0.101    | 64.26            | 17.53    | 0                | 0.198        | 3.661           | 5.606735706 |
| 9/6/2018      | 08:09:10  | 0.099    | 64.62            | 17.54    | 0                | 0.19         | 3.615           | 5.38020093  |
| 9/6/2018      | 08:39:10  | 0.101    | 65.03            | 17.54    | 0                | 0.198        | 3.661           | 5.606735706 |
| 9/6/2018      | 09:09:10  | 0.102    | 65.21            | 17.55    | 0                | 0.202        | 3.684           | 5.720003094 |
| 9/6/2018      | 09:39:10  | 0.101    | 65.44            | 17.54    | 0                | 0.198        | 3.661           | 5.606735706 |
| 9/6/2018      | 10:09:10  | 0.101    | 65.53            | 17.53    | 0                | 0.198        | 3.661           | 5.606735706 |
| 9/6/2018      | 10:39:10  | 0.105    | 65.53            | 17.51    | 0                | 0.215        | 3.753           | 6.088122105 |
| 9/6/2018      | 11:09:10  | 0.101    | 65.57            | 17.5     | 0                | 0.198        | 3.661           | 5.606735706 |
| 9/6/2018      | 11:39:10  | 0.099    | 65.66            | 17.49    | 0                | 0.19         | 3.615           | 5.38020093  |
| 9/6/2018      | 12:09:10  | 0.1      | 65.75            | 17.49    | 0                | 0.194        | 3.638           | 5.493468318 |
| 9/6/2018      | 12:39:10  | 0.101    | 65.8             | 17.49    | 0                | 0.198        | 3.661           | 5.606735706 |
| 9/6/2018      | 13:09:10  | 0.1      | 65.71            | 17.48    | 0                | 0.194        | 3.638           | 5.493468318 |
| 9/6/2018      | 13:39:10  | 0.098    | 65.53            | 17.47    | 0                | 0.186        | 3.592           | 5.266933542 |
| 9/6/2018      | 14:09:10  | 0.099    | 65.35            | 17.46    | 0                | 0.19         | 3.615           | 5.38020093  |
| 9/6/2018      | 14:39:10  | 0.098    | 65.08            | 17.45    | 0                | 0.182        | 3.569           | 5.153666154 |
| 9/6/2018      | 15:09:10  | 0.098    | 64.85            | 17.44    | 0                | 0.186        | 3.592           | 5.266933542 |
| 9/6/2018      | 15:39:10  | 0.097    | 64.62            | 17.43    | 0                | 0.178        | 3.545           | 5.040398766 |
| 9/6/2018      | 16:09:10  | 0.098    | 64.4             | 17.43    | 0                | 0.186        | 3.592           | 5.266933542 |
| 9/6/2018      | 16:39:10  | 0.098    | 64.22            | 17.42    | 0                | 0.186        | 3.592           | 5.266933542 |
| 9/6/2018      | 17:09:10  | 0.098    | 64.04            | 17.42    | 0                | 0.186        | 3.592           | 5.266933542 |
| 9/6/2018      | 17:39:10  | 0.098    | 63.95            | 17.43    | 0                | 0.182        | 3.569           | 5.153666154 |
| 9/6/2018      | 18:09:10  | 0.098    | 63.77            | 17.43    | 0                | 0.186        | 3.592           | 5.266933542 |
| 9/6/2018      | 18:39:10  | 0.097    | 63.54            | 17.43    | 0                | 0.178        | 3.545           | 5.040398766 |
| 9/6/2018      | 19:09:10  | 0.098    | 63.4             | 17.42    | 0                | 0.182        | 3.569           | 5.153666154 |
| 9/6/2018      | 19:39:10  | 0.097    | 63.27            | 17.42    | 0                | 0.178        | 3.545           | 5.040398766 |
| 9/6/2018      | 20:09:10  | 0.098    | 63.18            | 17.42    | 0                | 0.186        | 3.592           | 5.266933542 |
| 9/6/2018      | 20:39:10  | 0.096    | 63.04            | 17.42    | 0                | 0.174        | 3.522           | 4.927131378 |
| 9/6/2018      | 21:09:10  | 0.097    | 62.91            | 17.42    | 0                | 0.178        | 3.545           | 5.040398766 |
| 9/6/2018      | 21:39:10  | 0.096    | 62.77            | 17.41    | 0                | 0.174        | 3.522           | 4.927131378 |
| 9/6/2018      | 22:09:10  | 0.094    | 62.59            | 17.41    | 0                | 0.167        | 3.475           | 4.728913449 |
| 9/6/2018      | 22:39:10  | 0.095    | 62.5             | 17.41    | 0                | 0.171        | 3.498           | 4.842180837 |
| 9/6/2018      | 23:09:10  | 0.095    | 62.37            | 17.41    | 0                | 0.171        | 3.498           | 4.842180837 |
| 9/6/2018      | 23:39:10  | 0.096    | 62.41            | 17.41    | 0                | 0.174        | 3.522           | 4.927131378 |
| 10/6/2018     | 00:09:10  | 0.096    | 62.46            | 17.42    | 0                | 0.174        | 3.522           | 4.927131378 |
| 10/6/2018     | 00:39:10  | 0.094    | 62.5             | 17.44    | 0                | 0.167        | 3.475           | 4.728913449 |
| 10/6/2018     | 01:09:10  | 0.095    | 62.59            | 17.45    | 0                | 0.171        | 3.498           | 4.842180837 |
| 10/6/2018     | 01:39:10  | 0.094    | 62.68            | 17.46    | 0                | 0.167        | 3.475           | 4.728913449 |
| 10/6/2018     | 02:09:10  | 0.095    | 63               | 17.48    | 0                | 0.171        | 3.498           | 4.842180837 |
| 10/6/2018     | 02:39:10  | 0.097    | 63.31            | 17.5     | 0                | 0.178        | 3.545           | 5.040398766 |
| 10/6/2018     | 03:09:10  | 0.098    | 63.54            | 17.51    | 0                | 0.182        | 3.569           | 5.153666154 |
| 10/6/2018     | 03:39:10  | 0.096    | 63.81            | 17.51    | 0                | 0.174        | 3.522           | 4.927131378 |
| 10/6/2018     | 04:09:10  | 0.098    | 64.22            | 17.52    | 0                | 0.182        | 3.569           | 5.153666154 |
| 10/6/2018     | 04:39:10  | 0.099    | 64.53            | 17.52    | 0                | 0.19         | 3.615           | 5.38020093  |
| 10/6/2018     | 05:09:10  | 0.098    | 65.12            | 17.54    | 0                | 0.182        | 3.569           | 5.153666154 |
| 10/6/2018     | 05:39:10  | 0.098    | 65.8             | 17.55    | 0                | 0.182        | 3.569           | 5.153666154 |
| 10/6/2018     | 06:09:10  | 0.097    | 66.34            | 17.56    | 0                | 0.178        | 3.545           | 5.040398766 |
| 10/6/2018     | 06:39:10  | 0.098    | 66.57            | 17.56    | 0                | 0.182        | 3.569           | 5.153666154 |
| 10/6/2018     | 07:09:10  | 0.096    | 66.93            | 17.54    | 0                | 0.174        | 3.522           | 4.927131378 |
| 10/6/2018     | 07:39:10  | 0.094    | 66.93            | 17.53    | 0                | 0.167        | 3.475           | 4.728913449 |
| 10/6/2018     | 08:09:10  | 0.097    | 67.56            | 17.53    | 0                | 0.178        | 3.545           | 5.040398766 |
| 10/6/2018     | 08:39:10  | 0.094    | 68.01            | 17.54    | 0                | 0.167        | 3.475           | 4.728913449 |
| 10/6/2018     | 09:09:10  | 0.094    | 68.33            | 17.55    | 0                | 0.167        | 3.475           | 4.728913449 |
| 10/6/2018     | 09:39:10  | 0.094    | 68.38            | 17.54    | 0                | 0.167        | 3.475           | 4.728913449 |
| 10/6/2018     | 10:09:10  | 0.091    | 68.51            | 17.53    | 0                | 0.156        | 3.403           | 4.417428132 |
| 10/6/2018     | 10:39:10  | 0.091    | 68.51            | 17.51    | 0                | 0.156        | 3.403           | 4.417428132 |
| 10/6/2018     | 11:09:10  | 0.091    | 68.47            | 17.49    | 0                | 0.156        | 3.403           | 4.417428132 |
| 10/6/2018     | 11:39:10  | 0.089    | 68.33            | 17.48    | 0                | 0.149        | 3.355           | 4.219210203 |



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 10/6/2018     | 12:09:10  | 0.088    | 68.19            | 17.46    | 0                | 0.145        | 3.331           | 4.105942815 |
| 10/6/2018     | 12:39:10  | 0.088    | 67.88            | 17.44    | 0                | 0.145        | 3.331           | 4.105942815 |
| 10/6/2018     | 13:09:10  | 0.085    | 67.61            | 17.44    | 0                | 0.135        | 3.257           | 3.822774345 |
| 10/6/2018     | 13:39:10  | 0.084    | 67.29            | 17.43    | 0                | 0.132        | 3.232           | 3.737823804 |
| 10/6/2018     | 14:09:10  | 0.083    | 66.88            | 17.41    | 0                | 0.128        | 3.208           | 3.624556416 |
| 10/6/2018     | 14:39:10  | 0.082    | 66.48            | 17.4     | 0                | 0.125        | 3.183           | 3.539605875 |
| 10/6/2018     | 15:09:10  | 0.079    | 66.07            | 17.4     | 0                | 0.116        | 3.107           | 3.284754252 |
| 10/6/2018     | 15:39:10  | 0.079    | 65.71            | 17.4     | 0                | 0.116        | 3.107           | 3.284754252 |
| 10/6/2018     | 16:09:10  | 0.08     | 65.35            | 17.39    | 0                | 0.119        | 3.133           | 3.369704793 |
| 10/6/2018     | 16:39:10  | 0.079    | 64.99            | 17.38    | 0                | 0.116        | 3.107           | 3.284754252 |
| 10/6/2018     | 17:09:10  | 0.078    | 64.71            | 17.38    | 0                | 0.113        | 3.082           | 3.199803711 |
| 10/6/2018     | 17:39:10  | 0.078    | 64.44            | 17.38    | 0                | 0.113        | 3.082           | 3.199803711 |
| 10/6/2018     | 18:09:10  | 0.077    | 64.17            | 17.38    | 0                | 0.11         | 3.057           | 3.11485317  |
| 10/6/2018     | 18:39:10  | 0.076    | 63.9             | 17.38    | 0                | 0.107        | 3.031           | 3.029902629 |
| 10/6/2018     | 19:09:10  | 0.076    | 63.72            | 17.38    | 0                | 0.107        | 3.031           | 3.029902629 |
| 10/6/2018     | 19:39:10  | 0.075    | 63.49            | 17.38    | 0                | 0.104        | 3.005           | 2.944952088 |
| 10/6/2018     | 20:09:10  | 0.076    | 63.27            | 17.38    | 0                | 0.107        | 3.031           | 3.029902629 |
| 10/6/2018     | 20:39:10  | 0.075    | 63.09            | 17.38    | 0                | 0.104        | 3.005           | 2.944952088 |
| 10/6/2018     | 21:09:10  | 0.075    | 62.95            | 17.38    | 0                | 0.104        | 3.005           | 2.944952088 |
| 10/6/2018     | 21:39:10  | 0.073    | 62.77            | 17.37    | 0                | 0.098        | 2.953           | 2.775051006 |
| 10/6/2018     | 22:09:10  | 0.074    | 62.64            | 17.38    | 0                | 0.101        | 2.979           | 2.860001547 |
| 10/6/2018     | 22:39:10  | 0.075    | 62.5             | 17.37    | 0                | 0.104        | 3.005           | 2.944952088 |
| 10/6/2018     | 23:09:10  | 0.074    | 62.46            | 17.38    | 0                | 0.101        | 2.979           | 2.860001547 |
| 10/6/2018     | 23:39:10  | 0.075    | 62.46            | 17.39    | 0                | 0.104        | 3.005           | 2.944952088 |
| 11/6/2018     | 00:09:10  | 0.074    | 62.59            | 17.4     | 0                | 0.101        | 2.979           | 2.860001547 |
| 11/6/2018     | 00:39:10  | 0.074    | 62.82            | 17.41    | 0                | 0.101        | 2.979           | 2.860001547 |
| 11/6/2018     | 01:09:10  | 0.076    | 63.09            | 17.44    | 0                | 0.107        | 3.031           | 3.029902629 |
| 11/6/2018     | 01:39:10  | 0.076    | 63.54            | 17.48    | 0                | 0.107        | 3.031           | 3.029902629 |
| 11/6/2018     | 02:09:10  | 0.079    | 63.9             | 17.51    | 0                | 0.116        | 3.107           | 3.284754252 |
| 11/6/2018     | 02:39:10  | 0.079    | 64.35            | 17.52    | 0                | 0.116        | 3.107           | 3.284754252 |
| 11/6/2018     | 03:09:10  | 0.08     | 64.99            | 17.54    | 0                | 0.119        | 3.133           | 3.369704793 |
| 11/6/2018     | 03:39:10  | 0.08     | 65.53            | 17.54    | 0                | 0.119        | 3.133           | 3.369704793 |
| 11/6/2018     | 04:09:10  | 0.081    | 65.8             | 17.53    | 0                | 0.122        | 3.158           | 3.454655334 |
| 11/6/2018     | 04:39:10  | 0.081    | 66.3             | 17.54    | 0                | 0.122        | 3.158           | 3.454655334 |
| 11/6/2018     | 05:09:10  | 0.082    | 66.52            | 17.54    | 0                | 0.125        | 3.183           | 3.539605875 |
| 11/6/2018     | 05:39:10  | 0.083    | 66.66            | 17.54    | 0                | 0.128        | 3.208           | 3.624556416 |
| 11/6/2018     | 06:09:10  | 0.082    | 67.25            | 17.54    | 0                | 0.125        | 3.183           | 3.539605875 |
| 11/6/2018     | 06:39:10  | 0.083    | 67.7             | 17.53    | 0                | 0.128        | 3.208           | 3.624556416 |
| 11/6/2018     | 07:09:10  | 0.084    | 67.74            | 17.53    | 0                | 0.132        | 3.232           | 3.737823804 |
| 11/6/2018     | 07:39:10  | 0.082    | 68.15            | 17.53    | 0                | 0.125        | 3.183           | 3.539605875 |
| 11/6/2018     | 08:09:10  | 0.083    | 68.38            | 17.52    | 0                | 0.128        | 3.208           | 3.624556416 |
| 11/6/2018     | 08:39:10  | 0.083    | 68.42            | 17.52    | 0                | 0.128        | 3.208           | 3.624556416 |
| 11/6/2018     | 09:09:10  | 0.085    | 68.24            | 17.51    | 0                | 0.135        | 3.257           | 3.822774345 |
| 11/6/2018     | 09:39:10  | 0.081    | 68.24            | 17.49    | 0                | 0.122        | 3.158           | 3.454655334 |
| 11/6/2018     | 10:09:10  | 0.085    | 67.97            | 17.46    | 0                | 0.135        | 3.257           | 3.822774345 |
| 11/6/2018     | 10:39:10  | 0.083    | 67.34            | 17.44    | 0                | 0.128        | 3.208           | 3.624556416 |
| 11/6/2018     | 11:09:10  | 0.082    | 66.93            | 17.43    | 0                | 0.125        | 3.183           | 3.539605875 |
| 11/6/2018     | 11:39:10  | 0.082    | 66.43            | 17.41    | 0                | 0.125        | 3.183           | 3.539605875 |
| 11/6/2018     | 12:09:10  | 0.081    | 65.93            | 17.4     | 0                | 0.122        | 3.158           | 3.454655334 |
| 11/6/2018     | 12:39:10  | 0.08     | 65.44            | 17.39    | 0                | 0.119        | 3.133           | 3.369704793 |
| 11/6/2018     | 13:09:10  | 0.08     | 64.99            | 17.38    | 0                | 0.119        | 3.133           | 3.369704793 |
| 11/6/2018     | 13:39:10  | 0.078    | 64.62            | 17.38    | 0                | 0.113        | 3.082           | 3.199803711 |
| 11/6/2018     | 14:09:10  | 0.078    | 64.26            | 17.37    | 0                | 0.113        | 3.082           | 3.199803711 |
| 11/6/2018     | 14:39:10  | 0.079    | 63.95            | 17.36    | 0                | 0.116        | 3.107           | 3.284754252 |
| 11/6/2018     | 15:09:10  | 0.081    | 63.68            | 17.36    | 0                | 0.122        | 3.158           | 3.454655334 |
| 11/6/2018     | 15:39:10  | 0.079    | 63.4             | 17.36    | 0                | 0.116        | 3.107           | 3.284754252 |
| 11/6/2018     | 16:09:10  | 0.079    | 63.18            | 17.36    | 0                | 0.116        | 3.107           | 3.284754252 |
| 11/6/2018     | 16:39:10  | 0.08     | 63.04            | 17.36    | 0                | 0.119        | 3.133           | 3.369704793 |
| 11/6/2018     | 17:09:10  | 0.079    | 62.82            | 17.36    | 0                | 0.116        | 3.107           | 3.284754252 |
| 11/6/2018     | 17:39:10  | 0.079    | 62.64            | 17.36    | 0                | 0.116        | 3.107           | 3.284754252 |
| 11/6/2018     | 18:09:10  | 0.079    | 62.46            | 17.35    | 0                | 0.116        | 3.107           | 3.284754252 |
| 11/6/2018     | 18:39:10  | 0.078    | 62.32            | 17.36    | 0                | 0.113        | 3.082           | 3.199803711 |
| 11/6/2018     | 19:09:10  | 0.078    | 62.14            | 17.36    | 0                | 0.113        | 3.082           | 3.199803711 |
| 11/6/2018     | 19:39:10  | 0.078    | 62               | 17.36    | 0                | 0.113        | 3.082           | 3.199803711 |
| 11/6/2018     | 20:09:10  | 0.078    | 61.87            | 17.36    | 0                | 0.113        | 3.082           | 3.199803711 |
| 11/6/2018     | 20:39:10  | 0.077    | 61.73            | 17.36    | 0                | 0.11         | 3.057           | 3.11485317  |
| 11/6/2018     | 21:09:10  | 0.078    | 61.64            | 17.36    | 0                | 0.113        | 3.082           | 3.199803711 |
| 11/6/2018     | 21:39:10  | 0.077    | 61.51            | 17.36    | 0                | 0.11         | 3.057           | 3.11485317  |
| 11/6/2018     | 22:09:10  | 0.077    | 61.37            | 17.36    | 0                | 0.11         | 3.057           | 3.11485317  |
| 11/6/2018     | 22:39:10  | 0.077    | 61.28            | 17.36    | 0                | 0.11         | 3.057           | 3.11485317  |
| 11/6/2018     | 23:09:10  | 0.075    | 61.24            | 17.37    | 0                | 0.104        | 3.005           | 2.944952088 |
| 11/6/2018     | 23:39:10  | 0.076    | 61.24            | 17.38    | 0                | 0.107        | 3.031           | 3.029902629 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 12/6/2018     | 00:09:10  | 0.077    | 61.19            | 17.38    | 0                | 0.11         | 3.057           | 3.11485317  |
| 12/6/2018     | 00:39:10  | 0.075    | 61.15            | 17.38    | 0                | 0.104        | 3.005           | 2.944952088 |
| 12/6/2018     | 01:09:10  | 0.075    | 61.15            | 17.39    | 0                | 0.104        | 3.005           | 2.944952088 |
| 12/6/2018     | 01:39:10  | 0.075    | 61.1             | 17.4     | 0                | 0.104        | 3.005           | 2.944952088 |
| 12/6/2018     | 02:09:10  | 0.074    | 61.19            | 17.4     | 0                | 0.101        | 2.979           | 2.860001547 |
| 12/6/2018     | 02:39:10  | 0.075    | 61.37            | 17.43    | 0                | 0.104        | 3.005           | 2.944952088 |
| 12/6/2018     | 03:09:10  | 0.077    | 61.91            | 17.46    | 0                | 0.11         | 3.057           | 3.11485317  |
| 12/6/2018     | 03:39:10  | 0.075    | 62.27            | 17.48    | 0                | 0.104        | 3.005           | 2.944952088 |
| 12/6/2018     | 04:09:10  | 0.076    | 62.64            | 17.49    | 0                | 0.107        | 3.031           | 3.029902629 |
| 12/6/2018     | 04:39:10  | 0.077    | 63.13            | 17.49    | 0                | 0.11         | 3.057           | 3.11485317  |
| 12/6/2018     | 05:09:10  | 0.076    | 63.63            | 17.49    | 0                | 0.107        | 3.031           | 3.029902629 |
| 12/6/2018     | 05:39:10  | 0.081    | 64.22            | 17.51    | 0                | 0.122        | 3.158           | 3.454655334 |
| 12/6/2018     | 06:09:10  | 0.074    | 64.67            | 17.51    | 0                | 0.101        | 2.979           | 2.860001547 |
| 12/6/2018     | 06:39:10  | 0.075    | 65.44            | 17.51    | 0                | 0.104        | 3.005           | 2.944952088 |
| 12/6/2018     | 07:09:10  | 0.074    | 65.71            | 17.5     | 0                | 0.101        | 2.979           | 2.860001547 |
| 12/6/2018     | 07:39:10  | 0.074    | 66.16            | 17.49    | 0                | 0.101        | 2.979           | 2.860001547 |
| 12/6/2018     | 08:09:10  | 0.072    | 65.89            | 17.49    | 0                | 0.095        | 2.927           | 2.690100465 |
| 12/6/2018     | 08:39:10  | 0.073    | 66.43            | 17.49    | 0                | 0.098        | 2.953           | 2.775051006 |
| 12/6/2018     | 09:09:10  | 0.074    | 66.61            | 17.49    | 0                | 0.101        | 2.979           | 2.860001547 |
| 12/6/2018     | 09:39:10  | 0.073    | 66.75            | 17.48    | 0                | 0.098        | 2.953           | 2.775051006 |
| 12/6/2018     | 10:09:10  | 0.073    | 66.75            | 17.44    | 0                | 0.098        | 2.953           | 2.775051006 |
| 12/6/2018     | 10:39:10  | 0.073    | 66.66            | 17.43    | 0                | 0.098        | 2.953           | 2.775051006 |
| 12/6/2018     | 11:09:10  | 0.071    | 66.43            | 17.41    | 0                | 0.092        | 2.901           | 2.605149924 |
| 12/6/2018     | 11:39:10  | 0.072    | 66.25            | 17.4     | 0                | 0.095        | 2.927           | 2.690100465 |
| 12/6/2018     | 12:09:10  | 0.071    | 65.98            | 17.39    | 0                | 0.092        | 2.901           | 2.605149924 |
| 12/6/2018     | 12:39:10  | 0.071    | 65.66            | 17.38    | 0                | 0.092        | 2.901           | 2.605149924 |
| 12/6/2018     | 13:09:10  | 0.068    | 65.26            | 17.37    | 0                | 0.084        | 2.821           | 2.378615148 |
| 12/6/2018     | 13:39:10  | 0.068    | 64.85            | 17.36    | 0                | 0.084        | 2.821           | 2.378615148 |
| 12/6/2018     | 14:09:10  | 0.068    | 64.49            | 17.35    | 0                | 0.084        | 2.821           | 2.378615148 |
| 12/6/2018     | 14:39:10  | 0.068    | 64.08            | 17.35    | 0                | 0.084        | 2.821           | 2.378615148 |
| 12/6/2018     | 15:09:10  | 0.067    | 63.77            | 17.34    | 0                | 0.082        | 2.795           | 2.321981454 |
| 12/6/2018     | 15:39:10  | 0.065    | 63.45            | 17.33    | 0                | 0.077        | 2.741           | 2.180397219 |
| 12/6/2018     | 16:09:10  | 0.066    | 63.13            | 17.33    | 0                | 0.079        | 2.768           | 2.237030913 |
| 12/6/2018     | 16:39:10  | 0.065    | 62.82            | 17.33    | 0                | 0.077        | 2.741           | 2.180397219 |
| 12/6/2018     | 17:09:10  | 0.065    | 62.55            | 17.32    | 0                | 0.077        | 2.741           | 2.180397219 |
| 12/6/2018     | 17:39:10  | 0.065    | 62.27            | 17.32    | 0                | 0.077        | 2.741           | 2.180397219 |
| 12/6/2018     | 18:09:10  | 0.064    | 62.05            | 17.31    | 0                | 0.074        | 2.713           | 2.095446678 |
| 12/6/2018     | 18:39:10  | 0.064    | 61.91            | 17.31    | 0                | 0.074        | 2.713           | 2.095446678 |
| 12/6/2018     | 19:09:10  | 0.065    | 61.73            | 17.32    | 0                | 0.077        | 2.741           | 2.180397219 |
| 12/6/2018     | 19:39:10  | 0.064    | 61.55            | 17.32    | 0                | 0.074        | 2.713           | 2.095446678 |
| 12/6/2018     | 20:09:10  | 0.063    | 61.42            | 17.32    | 0                | 0.072        | 2.686           | 2.038812984 |
| 12/6/2018     | 20:39:10  | 0.063    | 61.28            | 17.32    | 0                | 0.072        | 2.686           | 2.038812984 |
| 12/6/2018     | 21:09:10  | 0.063    | 61.19            | 17.32    | 0                | 0.072        | 2.686           | 2.038812984 |
| 12/6/2018     | 21:39:10  | 0.063    | 61.05            | 17.32    | 0                | 0.072        | 2.686           | 2.038812984 |
| 12/6/2018     | 22:09:10  | 0.063    | 60.96            | 17.32    | 0                | 0.072        | 2.686           | 2.038812984 |
| 12/6/2018     | 22:39:10  | 0.063    | 60.87            | 17.32    | 0                | 0.072        | 2.686           | 2.038812984 |
| 12/6/2018     | 23:09:10  | 0.063    | 60.83            | 17.32    | 0                | 0.072        | 2.686           | 2.038812984 |
| 12/6/2018     | 23:39:10  | 0.064    | 60.87            | 17.33    | 0                | 0.074        | 2.713           | 2.095446678 |
| 13/6/2018     | 00:09:10  | 0.063    | 60.92            | 17.35    | 0                | 0.072        | 2.686           | 2.038812984 |
| 13/6/2018     | 00:39:10  | 0.063    | 61.1             | 17.35    | 0                | 0.072        | 2.686           | 2.038812984 |
| 13/6/2018     | 01:09:10  | 0.063    | 61.37            | 17.38    | 0                | 0.072        | 2.686           | 2.038812984 |
| 13/6/2018     | 01:39:10  | 0.063    | 61.46            | 17.4     | 0                | 0.072        | 2.686           | 2.038812984 |
| 13/6/2018     | 02:09:10  | 0.063    | 61.64            | 17.4     | 0                | 0.072        | 2.686           | 2.038812984 |
| 13/6/2018     | 02:39:10  | 0.063    | 61.87            | 17.41    | 0                | 0.072        | 2.686           | 2.038812984 |
| 13/6/2018     | 03:09:10  | 0.063    | 62.14            | 17.42    | 0                | 0.072        | 2.686           | 2.038812984 |
| 13/6/2018     | 03:39:10  | 0.067    | 62.5             | 17.43    | 0                | 0.082        | 2.795           | 2.321981454 |
| 13/6/2018     | 04:09:10  | 0.067    | 62.86            | 17.44    | 0                | 0.082        | 2.795           | 2.321981454 |
| 13/6/2018     | 04:39:10  | 0.067    | 63.18            | 17.45    | 0                | 0.082        | 2.795           | 2.321981454 |
| 13/6/2018     | 05:09:10  | 0.067    | 63.36            | 17.44    | 0                | 0.082        | 2.795           | 2.321981454 |
| 13/6/2018     | 05:39:10  | 0.068    | 63.95            | 17.44    | 0                | 0.084        | 2.821           | 2.378615148 |
| 13/6/2018     | 06:09:10  | 0.068    | 64.13            | 17.44    | 0                | 0.084        | 2.821           | 2.378615148 |
| 13/6/2018     | 06:39:10  | 0.068    | 64.26            | 17.44    | 0                | 0.084        | 2.821           | 2.378615148 |
| 13/6/2018     | 07:09:10  | 0.069    | 64.53            | 17.43    | 0                | 0.087        | 2.848           | 2.463565689 |
| 13/6/2018     | 07:39:10  | 0.069    | 64.53            | 17.43    | 0                | 0.087        | 2.848           | 2.463565689 |
| 13/6/2018     | 08:09:10  | 0.068    | 64.44            | 17.41    | 0                | 0.084        | 2.821           | 2.378615148 |
| 13/6/2018     | 08:39:10  | 0.066    | 64.31            | 17.4     | 0                | 0.079        | 2.768           | 2.237030913 |
| 13/6/2018     | 09:09:10  | 0.067    | 64.31            | 17.4     | 0                | 0.082        | 2.795           | 2.321981454 |
| 13/6/2018     | 09:39:10  | 0.067    | 64.13            | 17.39    | 0                | 0.082        | 2.795           | 2.321981454 |
| 13/6/2018     | 10:09:10  | 0.066    | 64.04            | 17.38    | 0                | 0.079        | 2.768           | 2.237030913 |
| 13/6/2018     | 10:39:10  | 0.066    | 63.95            | 17.37    | 0                | 0.079        | 2.768           | 2.237030913 |
| 13/6/2018     | 11:09:10  | 0.066    | 63.86            | 17.37    | 0                | 0.079        | 2.768           | 2.237030913 |
| 13/6/2018     | 11:39:10  | 0.066    | 63.68            | 17.36    | 0                | 0.079        | 2.768           | 2.237030913 |



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 13/6/2018     | 12:09:10  | 0.065    | 63.49            | 17.36    | 0                | 0.077        | 2.741           | 2.180397219 |
| 13/6/2018     | 12:39:10  | 0.066    | 63.27            | 17.35    | 0                | 0.079        | 2.768           | 2.237030913 |
| 13/6/2018     | 13:09:10  | 0.064    | 63.09            | 17.35    | 0                | 0.074        | 2.713           | 2.095446678 |
| 13/6/2018     | 13:39:10  | 0.064    | 62.86            | 17.35    | 0                | 0.074        | 2.713           | 2.095446678 |
| 13/6/2018     | 14:09:10  | 0.064    | 62.68            | 17.34    | 0                | 0.074        | 2.713           | 2.095446678 |
| 13/6/2018     | 14:39:10  | 0.067    | 62.5             | 17.34    | 0                | 0.082        | 2.795           | 2.321981454 |
| 13/6/2018     | 15:09:10  | 0.066    | 62.32            | 17.34    | 0                | 0.079        | 2.768           | 2.237030913 |
| 13/6/2018     | 15:39:10  | 0.067    | 62.18            | 17.34    | 0                | 0.082        | 2.795           | 2.321981454 |
| 13/6/2018     | 16:09:10  | 0.068    | 62.05            | 17.33    | 0                | 0.084        | 2.821           | 2.378615148 |
| 13/6/2018     | 16:39:10  | 0.067    | 61.87            | 17.34    | 0                | 0.082        | 2.795           | 2.321981454 |
| 13/6/2018     | 17:09:10  | 0.068    | 61.78            | 17.33    | 0                | 0.084        | 2.821           | 2.378615148 |
| 13/6/2018     | 17:39:10  | 0.067    | 61.69            | 17.33    | 0                | 0.082        | 2.795           | 2.321981454 |
| 13/6/2018     | 18:09:10  | 0.067    | 61.55            | 17.34    | 0                | 0.082        | 2.795           | 2.321981454 |
| 13/6/2018     | 18:39:10  | 0.068    | 61.46            | 17.33    | 0                | 0.084        | 2.821           | 2.378615148 |
| 13/6/2018     | 19:09:10  | 0.068    | 61.42            | 17.34    | 0                | 0.084        | 2.821           | 2.378615148 |
| 13/6/2018     | 19:39:10  | 0.069    | 61.33            | 17.33    | 0                | 0.087        | 2.848           | 2.463565689 |
| 13/6/2018     | 20:09:10  | 0.068    | 61.28            | 17.34    | 0                | 0.084        | 2.821           | 2.378615148 |
| 13/6/2018     | 20:39:10  | 0.072    | 61.24            | 17.33    | 0                | 0.095        | 2.927           | 2.690100465 |
| 13/6/2018     | 21:09:10  | 0.069    | 61.19            | 17.34    | 0                | 0.087        | 2.848           | 2.463565689 |
| 13/6/2018     | 21:39:10  | 0.072    | 61.15            | 17.34    | 0                | 0.095        | 2.927           | 2.690100465 |
| 13/6/2018     | 22:09:10  | 0.069    | 61.1             | 17.34    | 0                | 0.087        | 2.848           | 2.463565689 |
| 13/6/2018     | 22:39:10  | 0.072    | 61.05            | 17.34    | 0                | 0.095        | 2.927           | 2.690100465 |
| 13/6/2018     | 23:09:10  | 0.073    | 60.96            | 17.33    | 0                | 0.098        | 2.953           | 2.775051006 |
| 13/6/2018     | 23:39:10  | 0.071    | 60.92            | 17.33    | 0                | 0.092        | 2.901           | 2.605149924 |
| 14/6/2018     | 00:09:10  | 0.071    | 60.87            | 17.33    | 0                | 0.092        | 2.901           | 2.605149924 |
| 14/6/2018     | 00:39:10  | 0.073    | 60.87            | 17.33    | 0                | 0.098        | 2.953           | 2.775051006 |
| 14/6/2018     | 01:09:10  | 0.072    | 61.01            | 17.35    | 0                | 0.095        | 2.927           | 2.690100465 |
| 14/6/2018     | 01:39:10  | 0.073    | 61.28            | 17.37    | 0                | 0.098        | 2.953           | 2.775051006 |
| 14/6/2018     | 02:09:10  | 0.073    | 61.46            | 17.39    | 0                | 0.098        | 2.953           | 2.775051006 |
| 14/6/2018     | 02:39:10  | 0.073    | 61.91            | 17.4     | 0                | 0.098        | 2.953           | 2.775051006 |
| 14/6/2018     | 03:09:10  | 0.074    | 62.18            | 17.41    | 0                | 0.101        | 2.979           | 2.860001547 |
| 14/6/2018     | 03:39:10  | 0.078    | 62.37            | 17.41    | 0                | 0.113        | 3.082           | 3.199803711 |
| 14/6/2018     | 04:09:10  | 0.083    | 62.55            | 17.41    | 0                | 0.128        | 3.208           | 3.624556416 |
| 14/6/2018     | 04:39:10  | 0.083    | 63.04            | 17.41    | 0                | 0.128        | 3.208           | 3.624556416 |
| 14/6/2018     | 05:09:10  | 0.083    | 63               | 17.41    | 0                | 0.128        | 3.208           | 3.624556416 |
| 14/6/2018     | 05:39:10  | 0.083    | 63.22            | 17.4     | 0                | 0.128        | 3.208           | 3.624556416 |
| 14/6/2018     | 06:09:10  | 0.083    | 63.59            | 17.4     | 0                | 0.128        | 3.208           | 3.624556416 |
| 14/6/2018     | 06:39:10  | 0.085    | 64.08            | 17.41    | 0                | 0.135        | 3.257           | 3.822774345 |
| 14/6/2018     | 07:09:10  | 0.086    | 64.44            | 17.41    | 0                | 0.138        | 3.282           | 3.907724886 |
| 14/6/2018     | 07:39:10  | 0.086    | 64.76            | 17.42    | 0                | 0.138        | 3.282           | 3.907724886 |
| 14/6/2018     | 08:09:10  | 0.087    | 65.08            | 17.41    | 0                | 0.142        | 3.306           | 4.020992274 |
| 14/6/2018     | 08:39:10  | 0.086    | 65.26            | 17.41    | 0                | 0.138        | 3.282           | 3.907724886 |
| 14/6/2018     | 09:09:10  | 0.086    | 65.35            | 17.41    | 0                | 0.138        | 3.282           | 3.907724886 |
| 14/6/2018     | 09:39:10  | 0.086    | 65.44            | 17.4     | 0                | 0.138        | 3.282           | 3.907724886 |
| 14/6/2018     | 10:09:10  | 0.087    | 65.39            | 17.38    | 0                | 0.142        | 3.306           | 4.020992274 |
| 14/6/2018     | 10:39:10  | 0.084    | 65.26            | 17.35    | 0                | 0.132        | 3.232           | 3.737823804 |
| 14/6/2018     | 11:09:10  | 0.083    | 65.03            | 17.34    | 0                | 0.128        | 3.208           | 3.624556416 |
| 14/6/2018     | 11:39:10  | 0.081    | 64.9             | 17.33    | 0                | 0.122        | 3.158           | 3.454655334 |
| 14/6/2018     | 12:09:10  | 0.081    | 64.62            | 17.32    | 0                | 0.122        | 3.158           | 3.454655334 |
| 14/6/2018     | 12:39:10  | 0.08     | 64.35            | 17.32    | 0                | 0.119        | 3.133           | 3.369704793 |
| 14/6/2018     | 13:09:10  | 0.082    | 64.08            | 17.31    | 0                | 0.125        | 3.183           | 3.539605875 |
| 14/6/2018     | 13:39:10  | 0.08     | 63.77            | 17.3     | 0                | 0.119        | 3.133           | 3.369704793 |
| 14/6/2018     | 14:09:10  | 0.08     | 63.45            | 17.3     | 0                | 0.119        | 3.133           | 3.369704793 |
| 14/6/2018     | 14:39:10  | 0.078    | 63.13            | 17.28    | 0                | 0.113        | 3.082           | 3.199803711 |
| 14/6/2018     | 15:09:10  | 0.079    | 62.77            | 17.28    | 0                | 0.116        | 3.107           | 3.284754252 |
| 14/6/2018     | 15:39:10  | 0.077    | 62.46            | 17.27    | 0                | 0.11         | 3.057           | 3.11485317  |
| 14/6/2018     | 16:09:10  | 0.077    | 62.18            | 17.26    | 0                | 0.11         | 3.057           | 3.11485317  |
| 14/6/2018     | 16:39:10  | 0.076    | 61.91            | 17.25    | 0                | 0.107        | 3.031           | 3.029902629 |
| 14/6/2018     | 17:09:10  | 0.076    | 61.64            | 17.25    | 0                | 0.107        | 3.031           | 3.029902629 |
| 14/6/2018     | 17:39:10  | 0.076    | 61.42            | 17.24    | 0                | 0.107        | 3.031           | 3.029902629 |
| 14/6/2018     | 18:09:10  | 0.075    | 61.19            | 17.24    | 0                | 0.104        | 3.005           | 2.944952088 |
| 14/6/2018     | 18:39:10  | 0.074    | 61.01            | 17.24    | 0                | 0.101        | 2.979           | 2.860001547 |
| 14/6/2018     | 19:09:10  | 0.074    | 60.78            | 17.24    | 0                | 0.101        | 2.979           | 2.860001547 |
| 14/6/2018     | 19:39:10  | 0.075    | 60.65            | 17.23    | 0                | 0.104        | 3.005           | 2.944952088 |
| 14/6/2018     | 20:09:10  | 0.074    | 60.47            | 17.23    | 0                | 0.101        | 2.979           | 2.860001547 |
| 14/6/2018     | 20:39:10  | 0.073    | 60.38            | 17.22    | 0                | 0.098        | 2.953           | 2.775051006 |
| 14/6/2018     | 21:09:10  | 0.073    | 60.2             | 17.22    | 0                | 0.098        | 2.953           | 2.775051006 |
| 14/6/2018     | 21:39:10  | 0.073    | 60.06            | 17.22    | 0                | 0.098        | 2.953           | 2.775051006 |
| 14/6/2018     | 22:09:10  | 0.074    | 59.97            | 17.22    | 0                | 0.101        | 2.979           | 2.860001547 |
| 14/6/2018     | 22:39:10  | 0.072    | 59.88            | 17.23    | 0                | 0.095        | 2.927           | 2.690100465 |
| 14/6/2018     | 23:09:10  | 0.073    | 59.83            | 17.24    | 0                | 0.098        | 2.953           | 2.775051006 |
| 14/6/2018     | 23:39:10  | 0.074    | 59.83            | 17.25    | 0                | 0.101        | 2.979           | 2.860001547 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 15/6/2018     | 00:09:10  | 0.072    | 59.88            | 17.27    | 0                | 0.095        | 2.927           | 2.690100465 |
| 15/6/2018     | 00:39:10  | 0.071    | 59.97            | 17.29    | 0                | 0.092        | 2.901           | 2.605149924 |
| 15/6/2018     | 01:09:10  | 0.07     | 60.06            | 17.3     | 0                | 0.09         | 2.875           | 2.54851623  |
| 15/6/2018     | 01:39:10  | 0.071    | 60.11            | 17.32    | 0                | 0.092        | 2.901           | 2.605149924 |
| 15/6/2018     | 02:09:10  | 0.072    | 60.2             | 17.33    | 0                | 0.095        | 2.927           | 2.690100465 |
| 15/6/2018     | 02:39:10  | 0.067    | 60.42            | 17.34    | 0                | 0.082        | 2.795           | 2.321981454 |
| 15/6/2018     | 03:09:10  | 0.07     | 60.65            | 17.35    | 0                | 0.09         | 2.875           | 2.54851623  |
| 15/6/2018     | 03:39:10  | 0.071    | 60.87            | 17.36    | 0                | 0.092        | 2.901           | 2.605149924 |
| 15/6/2018     | 04:09:10  | 0.07     | 61.1             | 17.36    | 0                | 0.09         | 2.875           | 2.54851623  |
| 15/6/2018     | 04:39:10  | 0.07     | 61.46            | 17.37    | 0                | 0.09         | 2.875           | 2.54851623  |
| 15/6/2018     | 05:09:10  | 0.072    | 61.64            | 17.37    | 0                | 0.095        | 2.927           | 2.690100465 |
| 15/6/2018     | 05:39:10  | 0.071    | 62.05            | 17.37    | 0                | 0.092        | 2.901           | 2.605149924 |
| 15/6/2018     | 06:09:10  | 0.072    | 62.46            | 17.38    | 0                | 0.095        | 2.927           | 2.690100465 |
| 15/6/2018     | 06:39:10  | 0.071    | 62.64            | 17.38    | 0                | 0.092        | 2.901           | 2.605149924 |
| 15/6/2018     | 07:09:10  | 0.071    | 63               | 17.37    | 0                | 0.092        | 2.901           | 2.605149924 |
| 15/6/2018     | 07:39:10  | 0.072    | 63.31            | 17.38    | 0                | 0.095        | 2.927           | 2.690100465 |
| 15/6/2018     | 08:09:10  | 0.072    | 63.36            | 17.37    | 0                | 0.095        | 2.927           | 2.690100465 |
| 15/6/2018     | 08:39:10  | 0.07     | 63.49            | 17.36    | 0                | 0.09         | 2.875           | 2.54851623  |
| 15/6/2018     | 09:09:10  | 0.069    | 63.63            | 17.36    | 0                | 0.087        | 2.848           | 2.463565689 |
| 15/6/2018     | 09:39:10  | 0.069    | 63.81            | 17.36    | 0                | 0.087        | 2.848           | 2.463565689 |
| 15/6/2018     | 10:09:10  | 0.072    | 63.86            | 17.35    | 0                | 0.095        | 2.927           | 2.690100465 |
| 15/6/2018     | 10:39:10  | 0.07     | 63.72            | 17.33    | 0                | 0.09         | 2.875           | 2.54851623  |
| 15/6/2018     | 11:09:10  | 0.069    | 63.59            | 17.33    | 0                | 0.087        | 2.848           | 2.463565689 |
| 15/6/2018     | 11:39:10  | 0.068    | 63.49            | 17.32    | 0                | 0.084        | 2.821           | 2.378615148 |
| 15/6/2018     | 12:09:10  | 0.068    | 63.27            | 17.32    | 0                | 0.084        | 2.821           | 2.378615148 |
| 15/6/2018     | 12:39:10  | 0.067    | 63.09            | 17.3     | 0                | 0.082        | 2.795           | 2.321981454 |
| 15/6/2018     | 13:09:10  | 0.067    | 62.86            | 17.3     | 0                | 0.082        | 2.795           | 2.321981454 |
| 15/6/2018     | 13:39:10  | 0.067    | 62.59            | 17.29    | 0                | 0.082        | 2.795           | 2.321981454 |
| 15/6/2018     | 14:09:10  | 0.068    | 62.32            | 17.28    | 0                | 0.084        | 2.821           | 2.378615148 |
| 15/6/2018     | 14:39:10  | 0.067    | 62.05            | 17.27    | 0                | 0.082        | 2.795           | 2.321981454 |
| 15/6/2018     | 15:09:10  | 0.066    | 61.82            | 17.28    | 0                | 0.079        | 2.768           | 2.237030913 |
| 15/6/2018     | 15:39:10  | 0.066    | 61.6             | 17.27    | 0                | 0.079        | 2.768           | 2.237030913 |
| 15/6/2018     | 16:09:10  | 0.066    | 61.42            | 17.27    | 0                | 0.079        | 2.768           | 2.237030913 |
| 15/6/2018     | 16:39:10  | 0.066    | 61.28            | 17.26    | 0                | 0.079        | 2.768           | 2.237030913 |
| 15/6/2018     | 17:09:10  | 0.065    | 61.1             | 17.26    | 0                | 0.077        | 2.741           | 2.180397219 |
| 15/6/2018     | 17:39:10  | 0.065    | 60.96            | 17.25    | 0                | 0.077        | 2.741           | 2.180397219 |
| 15/6/2018     | 18:09:10  | 0.064    | 60.83            | 17.25    | 0                | 0.074        | 2.713           | 2.095446678 |
| 15/6/2018     | 18:39:10  | 0.064    | 60.69            | 17.26    | 0                | 0.074        | 2.713           | 2.095446678 |
| 15/6/2018     | 19:09:10  | 0.063    | 60.6             | 17.26    | 0                | 0.072        | 2.686           | 2.038812984 |
| 15/6/2018     | 19:39:10  | 0.063    | 60.51            | 17.26    | 0                | 0.072        | 2.686           | 2.038812984 |
| 15/6/2018     | 20:09:10  | 0.063    | 60.42            | 17.26    | 0                | 0.072        | 2.686           | 2.038812984 |
| 15/6/2018     | 20:39:10  | 0.062    | 60.33            | 17.26    | 0                | 0.069        | 2.658           | 1.953862443 |
| 15/6/2018     | 21:09:10  | 0.062    | 60.24            | 17.26    | 0                | 0.069        | 2.658           | 1.953862443 |
| 15/6/2018     | 21:39:10  | 0.064    | 60.2             | 17.27    | 0                | 0.074        | 2.713           | 2.095446678 |
| 15/6/2018     | 22:09:10  | 0.062    | 60.11            | 17.26    | 0                | 0.069        | 2.658           | 1.953862443 |
| 15/6/2018     | 22:39:10  | 0.063    | 60.02            | 17.26    | 0                | 0.072        | 2.686           | 2.038812984 |
| 15/6/2018     | 23:09:10  | 0.062    | 60.02            | 17.26    | 0                | 0.069        | 2.658           | 1.953862443 |
| 15/6/2018     | 23:39:10  | 0.062    | 59.97            | 17.26    | 0                | 0.069        | 2.658           | 1.953862443 |
| 16/6/2018     | 00:09:10  | 0.063    | 59.93            | 17.27    | 0                | 0.072        | 2.686           | 2.038812984 |
| 16/6/2018     | 00:39:10  | 0.064    | 59.93            | 17.27    | 0                | 0.074        | 2.713           | 2.095446678 |
| 16/6/2018     | 01:09:10  | 0.085    | 59.97            | 17.27    | 0                | 0.135        | 3.257           | 3.822774345 |
| 16/6/2018     | 01:39:10  | 0.083    | 59.93            | 17.27    | 0                | 0.128        | 3.208           | 3.624556416 |
| 16/6/2018     | 02:09:10  | 0.084    | 59.93            | 17.27    | 0                | 0.132        | 3.232           | 3.737823804 |
| 16/6/2018     | 02:39:10  | 0.084    | 59.97            | 17.27    | 0                | 0.132        | 3.232           | 3.737823804 |
| 16/6/2018     | 03:09:10  | 0.083    | 60.02            | 17.27    | 0                | 0.128        | 3.208           | 3.624556416 |
| 16/6/2018     | 03:39:10  | 0.084    | 60.11            | 17.28    | 0                | 0.132        | 3.232           | 3.737823804 |
| 16/6/2018     | 04:09:10  | 0.083    | 60.15            | 17.27    | 0                | 0.128        | 3.208           | 3.624556416 |
| 16/6/2018     | 04:39:10  | 0.083    | 60.42            | 17.29    | 0                | 0.128        | 3.208           | 3.624556416 |
| 16/6/2018     | 05:09:10  | 0.083    | 60.65            | 17.3     | 0                | 0.128        | 3.208           | 3.624556416 |
| 16/6/2018     | 05:39:10  | 0.084    | 60.87            | 17.31    | 0                | 0.132        | 3.232           | 3.737823804 |
| 16/6/2018     | 06:09:10  | 0.086    | 61.28            | 17.33    | 0                | 0.138        | 3.282           | 3.907724886 |
| 16/6/2018     | 06:39:10  | 0.086    | 61.73            | 17.33    | 0                | 0.138        | 3.282           | 3.907724886 |
| 16/6/2018     | 07:09:10  | 0.086    | 62.27            | 17.34    | 0                | 0.138        | 3.282           | 3.907724886 |
| 16/6/2018     | 07:39:10  | 0.092    | 62.59            | 17.34    | 0                | 0.159        | 3.427           | 4.502378673 |
| 16/6/2018     | 08:09:10  | 0.085    | 62.91            | 17.34    | 0                | 0.135        | 3.257           | 3.822774345 |
| 16/6/2018     | 08:39:10  | 0.083    | 63.04            | 17.34    | 0                | 0.128        | 3.208           | 3.624556416 |
| 16/6/2018     | 09:09:10  | 0.085    | 63.09            | 17.33    | 0                | 0.135        | 3.257           | 3.822774345 |
| 16/6/2018     | 09:39:10  | 0.082    | 63.09            | 17.32    | 0                | 0.125        | 3.183           | 3.539605875 |
| 16/6/2018     | 10:09:10  | 0.082    | 63.04            | 17.31    | 0                | 0.125        | 3.183           | 3.539605875 |
| 16/6/2018     | 10:39:10  | 0.082    | 63               | 17.3     | 0                | 0.125        | 3.183           | 3.539605875 |
| 16/6/2018     | 11:09:10  | 0.083    | 62.86            | 17.28    | 0                | 0.128        | 3.208           | 3.624556416 |
| 16/6/2018     | 11:39:10  | 0.083    | 62.73            | 17.28    | 0                | 0.128        | 3.208           | 3.624556416 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 16/6/2018     | 12:09:10  | 0.082    | 62.55            | 17.27    | 0                | 0.125        | 3.183           | 3.539605875 |
| 16/6/2018     | 12:39:10  | 0.081    | 62.41            | 17.27    | 0                | 0.122        | 3.158           | 3.454655334 |
| 16/6/2018     | 13:09:10  | 0.08     | 62.14            | 17.26    | 0                | 0.119        | 3.133           | 3.369704793 |
| 16/6/2018     | 13:39:10  | 0.08     | 61.87            | 17.25    | 0                | 0.119        | 3.133           | 3.369704793 |
| 16/6/2018     | 14:09:10  | 0.08     | 61.64            | 17.25    | 0                | 0.119        | 3.133           | 3.369704793 |
| 16/6/2018     | 14:39:10  | 0.079    | 61.42            | 17.24    | 0                | 0.116        | 3.107           | 3.284754252 |
| 16/6/2018     | 15:09:10  | 0.077    | 61.19            | 17.24    | 0                | 0.11         | 3.057           | 3.11485317  |
| 16/6/2018     | 15:39:10  | 0.078    | 61.05            | 17.24    | 0                | 0.113        | 3.082           | 3.199803711 |
| 16/6/2018     | 16:09:10  | 0.078    | 60.87            | 17.24    | 0                | 0.113        | 3.082           | 3.199803711 |
| 16/6/2018     | 16:39:10  | 0.077    | 60.74            | 17.24    | 0                | 0.11         | 3.057           | 3.11485317  |
| 16/6/2018     | 17:09:10  | 0.077    | 60.6             | 17.24    | 0                | 0.11         | 3.057           | 3.11485317  |
| 16/6/2018     | 17:39:10  | 0.077    | 60.51            | 17.24    | 0                | 0.11         | 3.057           | 3.11485317  |
| 16/6/2018     | 18:09:10  | 0.076    | 60.42            | 17.24    | 0                | 0.107        | 3.031           | 3.029902629 |
| 16/6/2018     | 18:39:10  | 0.076    | 60.29            | 17.24    | 0                | 0.107        | 3.031           | 3.029902629 |
| 16/6/2018     | 19:09:10  | 0.077    | 60.24            | 17.24    | 0                | 0.11         | 3.057           | 3.11485317  |
| 16/6/2018     | 19:39:10  | 0.076    | 60.15            | 17.23    | 0                | 0.107        | 3.031           | 3.029902629 |
| 16/6/2018     | 20:09:10  | 0.075    | 60.06            | 17.24    | 0                | 0.104        | 3.005           | 2.944952088 |
| 16/6/2018     | 20:39:10  | 0.076    | 59.97            | 17.24    | 0                | 0.107        | 3.031           | 3.029902629 |
| 16/6/2018     | 21:09:10  | 0.078    | 59.93            | 17.24    | 0                | 0.113        | 3.082           | 3.199803711 |
| 16/6/2018     | 21:39:10  | 0.078    | 59.83            | 17.24    | 0                | 0.113        | 3.082           | 3.199803711 |
| 16/6/2018     | 22:09:10  | 0.077    | 59.79            | 17.23    | 0                | 0.11         | 3.057           | 3.11485317  |
| 16/6/2018     | 22:39:10  | 0.076    | 59.74            | 17.23    | 0                | 0.107        | 3.031           | 3.029902629 |
| 16/6/2018     | 23:09:10  | 0.077    | 59.74            | 17.23    | 0                | 0.11         | 3.057           | 3.11485317  |
| 16/6/2018     | 23:39:10  | 0.076    | 59.7             | 17.23    | 0                | 0.107        | 3.031           | 3.029902629 |
| 17/6/2018     | 00:09:10  | 0.076    | 59.65            | 17.24    | 0                | 0.107        | 3.031           | 3.029902629 |
| 17/6/2018     | 00:39:10  | 0.077    | 59.7             | 17.24    | 0                | 0.11         | 3.057           | 3.11485317  |
| 17/6/2018     | 01:09:10  | 0.075    | 59.7             | 17.24    | 0                | 0.104        | 3.005           | 2.944952088 |
| 17/6/2018     | 01:39:10  | 0.075    | 59.7             | 17.24    | 0                | 0.104        | 3.005           | 2.944952088 |
| 17/6/2018     | 02:09:10  | 0.078    | 59.74            | 17.24    | 0                | 0.113        | 3.082           | 3.199803711 |
| 17/6/2018     | 02:39:10  | 0.078    | 59.7             | 17.25    | 0                | 0.113        | 3.082           | 3.199803711 |
| 17/6/2018     | 03:09:10  | 0.081    | 59.74            | 17.24    | 0                | 0.122        | 3.158           | 3.454655334 |
| 17/6/2018     | 03:39:10  | 0.08     | 59.83            | 17.25    | 0                | 0.119        | 3.133           | 3.369704793 |
| 17/6/2018     | 04:09:10  | 0.082    | 59.88            | 17.25    | 0                | 0.125        | 3.183           | 3.539605875 |
| 17/6/2018     | 04:39:10  | 0.082    | 59.93            | 17.25    | 0                | 0.125        | 3.183           | 3.539605875 |
| 17/6/2018     | 05:09:10  | 0.084    | 59.97            | 17.25    | 0                | 0.132        | 3.232           | 3.737823804 |
| 17/6/2018     | 05:39:10  | 0.084    | 60.06            | 17.25    | 0                | 0.132        | 3.232           | 3.737823804 |
| 17/6/2018     | 06:09:10  | 0.084    | 60.15            | 17.25    | 0                | 0.132        | 3.232           | 3.737823804 |
| 17/6/2018     | 06:39:10  | 0.085    | 60.15            | 17.25    | 0                | 0.135        | 3.257           | 3.822774345 |
| 17/6/2018     | 07:09:10  | 0.084    | 60.24            | 17.26    | 0                | 0.132        | 3.232           | 3.737823804 |
| 17/6/2018     | 07:39:10  | 0.085    | 60.38            | 17.26    | 0                | 0.135        | 3.257           | 3.822774345 |
| 17/6/2018     | 08:09:10  | 0.086    | 60.42            | 17.27    | 0                | 0.138        | 3.282           | 3.907724886 |
| 17/6/2018     | 08:39:10  | 0.088    | 60.6             | 17.27    | 0                | 0.145        | 3.331           | 4.105942815 |
| 17/6/2018     | 09:09:10  | 0.088    | 60.96            | 17.28    | 0                | 0.145        | 3.331           | 4.105942815 |
| 17/6/2018     | 09:39:10  | 0.088    | 61.15            | 17.28    | 0                | 0.145        | 3.331           | 4.105942815 |
| 17/6/2018     | 10:09:10  | 0.088    | 61.33            | 17.28    | 0                | 0.145        | 3.331           | 4.105942815 |
| 17/6/2018     | 10:39:10  | 0.09     | 61.37            | 17.28    | 0                | 0.152        | 3.379           | 4.304160744 |
| 17/6/2018     | 11:09:10  | 0.089    | 61.46            | 17.27    | 0                | 0.149        | 3.355           | 4.219210203 |
| 17/6/2018     | 11:39:10  | 0.087    | 61.6             | 17.27    | 0                | 0.142        | 3.306           | 4.020992274 |
| 17/6/2018     | 12:09:10  | 0.09     | 61.6             | 17.27    | 0                | 0.152        | 3.379           | 4.304160744 |
| 17/6/2018     | 12:39:10  | 0.09     | 61.55            | 17.26    | 0                | 0.152        | 3.379           | 4.304160744 |
| 17/6/2018     | 13:09:10  | 0.09     | 61.46            | 17.25    | 0                | 0.152        | 3.379           | 4.304160744 |
| 17/6/2018     | 13:39:10  | 0.089    | 61.37            | 17.24    | 0                | 0.149        | 3.355           | 4.219210203 |
| 17/6/2018     | 14:09:10  | 0.088    | 61.24            | 17.24    | 0                | 0.145        | 3.331           | 4.105942815 |
| 17/6/2018     | 14:39:10  | 0.088    | 61.05            | 17.23    | 0                | 0.145        | 3.331           | 4.105942815 |
| 17/6/2018     | 15:09:10  | 0.088    | 60.96            | 17.22    | 0                | 0.145        | 3.331           | 4.105942815 |
| 17/6/2018     | 15:39:10  | 0.088    | 60.83            | 17.22    | 0                | 0.145        | 3.331           | 4.105942815 |
| 17/6/2018     | 16:09:10  | 0.088    | 60.69            | 17.22    | 0                | 0.145        | 3.331           | 4.105942815 |
| 17/6/2018     | 16:39:10  | 0.088    | 60.6             | 17.22    | 0                | 0.145        | 3.331           | 4.105942815 |
| 17/6/2018     | 17:09:10  | 0.088    | 60.47            | 17.22    | 0                | 0.145        | 3.331           | 4.105942815 |
| 17/6/2018     | 17:39:10  | 0.088    | 60.38            | 17.22    | 0                | 0.145        | 3.331           | 4.105942815 |
| 17/6/2018     | 18:09:10  | 0.085    | 60.29            | 17.22    | 0                | 0.135        | 3.257           | 3.822774345 |
| 17/6/2018     | 18:39:10  | 0.09     | 60.2             | 17.22    | 0                | 0.152        | 3.379           | 4.304160744 |
| 17/6/2018     | 19:09:10  | 0.087    | 60.15            | 17.22    | 0                | 0.142        | 3.306           | 4.020992274 |
| 17/6/2018     | 19:39:10  | 0.089    | 60.06            | 17.22    | 0                | 0.149        | 3.355           | 4.219210203 |
| 17/6/2018     | 20:09:10  | 0.088    | 60.02            | 17.22    | 0                | 0.145        | 3.331           | 4.105942815 |
| 17/6/2018     | 20:39:10  | 0.088    | 59.93            | 17.22    | 0                | 0.145        | 3.331           | 4.105942815 |
| 17/6/2018     | 21:09:10  | 0.087    | 59.88            | 17.21    | 0                | 0.142        | 3.306           | 4.020992274 |
| 17/6/2018     | 21:39:10  | 0.087    | 59.74            | 17.21    | 0                | 0.142        | 3.306           | 4.020992274 |
| 17/6/2018     | 22:09:10  | 0.087    | 59.65            | 17.2     | 0                | 0.142        | 3.306           | 4.020992274 |
| 17/6/2018     | 22:39:10  | 0.087    | 59.56            | 17.2     | 0                | 0.142        | 3.306           | 4.020992274 |
| 17/6/2018     | 23:09:10  | 0.087    | 59.52            | 17.2     | 0                | 0.142        | 3.306           | 4.020992274 |
| 17/6/2018     | 23:39:10  | 0.086    | 59.52            | 17.2     | 0                | 0.138        | 3.282           | 3.907724886 |



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 18/6/2018     | 00:09:10  | 0.086    | 59.61            | 17.2     | 0                | 0.138        | 3.282           | 3.907724886 |
| 18/6/2018     | 00:39:10  | 0.085    | 59.65            | 17.22    | 0                | 0.135        | 3.257           | 3.822774345 |
| 18/6/2018     | 01:09:10  | 0.086    | 59.65            | 17.22    | 0                | 0.138        | 3.282           | 3.907724886 |
| 18/6/2018     | 01:39:10  | 0.086    | 59.74            | 17.23    | 0                | 0.138        | 3.282           | 3.907724886 |
| 18/6/2018     | 02:09:10  | 0.09     | 59.83            | 17.24    | 0                | 0.152        | 3.379           | 4.304160744 |
| 18/6/2018     | 02:39:10  | 0.09     | 59.83            | 17.24    | 0                | 0.152        | 3.379           | 4.304160744 |
| 18/6/2018     | 03:09:10  | 0.088    | 59.83            | 17.24    | 0                | 0.145        | 3.331           | 4.105942815 |
| 18/6/2018     | 03:39:10  | 0.088    | 59.93            | 17.24    | 0                | 0.145        | 3.331           | 4.105942815 |
| 18/6/2018     | 04:09:10  | 0.088    | 59.97            | 17.24    | 0                | 0.145        | 3.331           | 4.105942815 |
| 18/6/2018     | 04:39:10  | 0.087    | 60.06            | 17.24    | 0                | 0.142        | 3.306           | 4.020992274 |
| 18/6/2018     | 05:09:10  | 0.087    | 60.15            | 17.24    | 0                | 0.142        | 3.306           | 4.020992274 |
| 18/6/2018     | 05:39:10  | 0.087    | 60.24            | 17.24    | 0                | 0.142        | 3.306           | 4.020992274 |
| 18/6/2018     | 06:09:10  | 0.087    | 60.38            | 17.24    | 0                | 0.142        | 3.306           | 4.020992274 |
| 18/6/2018     | 06:39:10  | 0.089    | 60.65            | 17.25    | 0                | 0.149        | 3.355           | 4.219210203 |
| 18/6/2018     | 07:09:10  | 0.088    | 60.83            | 17.25    | 0                | 0.145        | 3.331           | 4.105942815 |
| 18/6/2018     | 07:39:10  | 0.088    | 61.1             | 17.25    | 0                | 0.145        | 3.331           | 4.105942815 |
| 18/6/2018     | 08:09:10  | 0.087    | 61.24            | 17.25    | 0                | 0.142        | 3.306           | 4.020992274 |
| 18/6/2018     | 08:39:10  | 0.086    | 61.28            | 17.25    | 0                | 0.138        | 3.282           | 3.907724886 |
| 18/6/2018     | 09:09:10  | 0.087    | 61.42            | 17.25    | 0                | 0.142        | 3.306           | 4.020992274 |
| 18/6/2018     | 09:39:10  | 0.087    | 61.55            | 17.25    | 0                | 0.142        | 3.306           | 4.020992274 |
| 18/6/2018     | 10:09:10  | 0.085    | 61.6             | 17.24    | 0                | 0.135        | 3.257           | 3.822774345 |
| 18/6/2018     | 10:39:10  | 0.086    | 61.64            | 17.24    | 0                | 0.138        | 3.282           | 3.907724886 |
| 18/6/2018     | 11:09:10  | 0.086    | 61.69            | 17.24    | 0                | 0.138        | 3.282           | 3.907724886 |
| 18/6/2018     | 11:39:10  | 0.087    | 61.64            | 17.24    | 0                | 0.142        | 3.306           | 4.020992274 |
| 18/6/2018     | 12:09:10  | 0.087    | 61.55            | 17.23    | 0                | 0.142        | 3.306           | 4.020992274 |
| 18/6/2018     | 12:39:10  | 0.086    | 61.55            | 17.23    | 0                | 0.138        | 3.282           | 3.907724886 |
| 18/6/2018     | 13:09:10  | 0.087    | 61.46            | 17.22    | 0                | 0.142        | 3.306           | 4.020992274 |
| 18/6/2018     | 13:39:10  | 0.087    | 61.33            | 17.22    | 0                | 0.142        | 3.306           | 4.020992274 |
| 18/6/2018     | 14:09:10  | 0.086    | 61.24            | 17.22    | 0                | 0.138        | 3.282           | 3.907724886 |
| 18/6/2018     | 14:39:10  | 0.084    | 61.1             | 17.22    | 0                | 0.132        | 3.232           | 3.737823804 |
| 18/6/2018     | 15:09:10  | 0.083    | 60.96            | 17.22    | 0                | 0.128        | 3.208           | 3.624556416 |
| 18/6/2018     | 15:39:10  | 0.083    | 60.83            | 17.21    | 0                | 0.128        | 3.208           | 3.624556416 |
| 18/6/2018     | 16:09:10  | 0.084    | 60.74            | 17.21    | 0                | 0.132        | 3.232           | 3.737823804 |
| 18/6/2018     | 16:39:10  | 0.083    | 60.65            | 17.2     | 0                | 0.128        | 3.208           | 3.624556416 |
| 18/6/2018     | 17:09:10  | 0.083    | 60.51            | 17.2     | 0                | 0.128        | 3.208           | 3.624556416 |
| 18/6/2018     | 17:39:10  | 0.083    | 60.47            | 17.2     | 0                | 0.128        | 3.208           | 3.624556416 |
| 18/6/2018     | 18:09:10  | 0.082    | 60.33            | 17.2     | 0                | 0.125        | 3.183           | 3.539605875 |
| 18/6/2018     | 18:39:10  | 0.082    | 60.29            | 17.2     | 0                | 0.125        | 3.183           | 3.539605875 |
| 18/6/2018     | 19:09:10  | 0.082    | 60.24            | 17.2     | 0                | 0.125        | 3.183           | 3.539605875 |
| 18/6/2018     | 19:39:10  | 0.082    | 60.15            | 17.2     | 0                | 0.125        | 3.183           | 3.539605875 |
| 18/6/2018     | 20:09:10  | 0.082    | 60.11            | 17.19    | 0                | 0.125        | 3.183           | 3.539605875 |
| 18/6/2018     | 20:39:10  | 0.082    | 60.06            | 17.19    | 0                | 0.125        | 3.183           | 3.539605875 |
| 18/6/2018     | 21:09:10  | 0.081    | 60.02            | 17.19    | 0                | 0.122        | 3.158           | 3.454655334 |
| 18/6/2018     | 21:39:10  | 0.081    | 59.93            | 17.19    | 0                | 0.122        | 3.158           | 3.454655334 |
| 18/6/2018     | 22:09:10  | 0.08     | 59.88            | 17.19    | 0                | 0.119        | 3.133           | 3.369704793 |
| 18/6/2018     | 22:39:10  | 0.08     | 59.83            | 17.19    | 0                | 0.119        | 3.133           | 3.369704793 |
| 18/6/2018     | 23:09:10  | 0.082    | 59.83            | 17.19    | 0                | 0.125        | 3.183           | 3.539605875 |
| 18/6/2018     | 23:39:10  | 0.081    | 59.79            | 17.19    | 0                | 0.122        | 3.158           | 3.454655334 |
| 19/6/2018     | 00:09:10  | 0.081    | 59.83            | 17.19    | 0                | 0.122        | 3.158           | 3.454655334 |
| 19/6/2018     | 00:39:10  | 0.08     | 59.83            | 17.2     | 0                | 0.119        | 3.133           | 3.369704793 |
| 19/6/2018     | 01:09:10  | 0.081    | 59.88            | 17.2     | 0                | 0.122        | 3.158           | 3.454655334 |
| 19/6/2018     | 01:39:10  | 0.081    | 59.93            | 17.2     | 0                | 0.122        | 3.158           | 3.454655334 |
| 19/6/2018     | 02:09:10  | 0.082    | 60.02            | 17.21    | 0                | 0.125        | 3.183           | 3.539605875 |
| 19/6/2018     | 02:39:10  | 0.084    | 60.11            | 17.21    | 0                | 0.132        | 3.232           | 3.737823804 |
| 19/6/2018     | 03:09:10  | 0.084    | 60.2             | 17.22    | 0                | 0.132        | 3.232           | 3.737823804 |
| 19/6/2018     | 03:39:10  | 0.084    | 60.24            | 17.21    | 0                | 0.132        | 3.232           | 3.737823804 |
| 19/6/2018     | 04:09:10  | 0.084    | 60.29            | 17.21    | 0                | 0.132        | 3.232           | 3.737823804 |
| 19/6/2018     | 04:39:10  | 0.087    | 60.47            | 17.22    | 0                | 0.142        | 3.306           | 4.020992274 |
| 19/6/2018     | 05:09:10  | 0.086    | 60.74            | 17.22    | 0                | 0.138        | 3.282           | 3.907724886 |
| 19/6/2018     | 05:39:10  | 0.087    | 61.05            | 17.24    | 0                | 0.142        | 3.306           | 4.020992274 |
| 19/6/2018     | 06:09:10  | 0.087    | 61.28            | 17.24    | 0                | 0.142        | 3.306           | 4.020992274 |
| 19/6/2018     | 06:39:10  | 0.086    | 61.37            | 17.24    | 0                | 0.138        | 3.282           | 3.907724886 |
| 19/6/2018     | 07:09:10  | 0.087    | 61.46            | 17.24    | 0                | 0.142        | 3.306           | 4.020992274 |
| 19/6/2018     | 07:39:10  | 0.087    | 61.51            | 17.23    | 0                | 0.142        | 3.306           | 4.020992274 |
| 19/6/2018     | 08:09:10  | 0.086    | 61.51            | 17.22    | 0                | 0.138        | 3.282           | 3.907724886 |
| 19/6/2018     | 08:39:10  | 0.086    | 61.6             | 17.22    | 0                | 0.138        | 3.282           | 3.907724886 |
| 19/6/2018     | 09:09:10  | 0.086    | 61.69            | 17.22    | 0                | 0.138        | 3.282           | 3.907724886 |
| 19/6/2018     | 09:39:10  | 0.087    | 61.82            | 17.22    | 0                | 0.142        | 3.306           | 4.020992274 |
| 19/6/2018     | 10:09:10  | 0.086    | 61.91            | 17.23    | 0                | 0.138        | 3.282           | 3.907724886 |
| 19/6/2018     | 10:39:10  | 0.087    | 62.09            | 17.23    | 0                | 0.142        | 3.306           | 4.020992274 |
| 19/6/2018     | 11:09:10  | 0.088    | 62.14            | 17.23    | 0                | 0.145        | 3.331           | 4.105942815 |
| 19/6/2018     | 11:39:10  | 0.088    | 62.14            | 17.22    | 0                | 0.145        | 3.331           | 4.105942815 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 19/6/2018     | 12:09:10  | 0.088    | 62.09            | 17.22    | 0                | 0.145        | 3.331           | 4.105942815 |
| 19/6/2018     | 12:39:10  | 0.088    | 62.05            | 17.21    | 0                | 0.145        | 3.331           | 4.105942815 |
| 19/6/2018     | 13:09:10  | 0.089    | 62               | 17.21    | 0                | 0.149        | 3.355           | 4.219210203 |
| 19/6/2018     | 13:39:10  | 0.088    | 61.91            | 17.2     | 0                | 0.145        | 3.331           | 4.105942815 |
| 19/6/2018     | 14:09:10  | 0.088    | 61.82            | 17.2     | 0                | 0.145        | 3.331           | 4.105942815 |
| 19/6/2018     | 14:39:10  | 0.088    | 61.73            | 17.19    | 0                | 0.145        | 3.331           | 4.105942815 |
| 19/6/2018     | 15:09:10  | 0.088    | 61.6             | 17.19    | 0                | 0.145        | 3.331           | 4.105942815 |
| 19/6/2018     | 15:39:10  | 0.087    | 61.51            | 17.19    | 0                | 0.142        | 3.306           | 4.020992274 |
| 19/6/2018     | 16:09:10  | 0.087    | 61.42            | 17.19    | 0                | 0.142        | 3.306           | 4.020992274 |
| 19/6/2018     | 16:39:10  | 0.086    | 61.33            | 17.19    | 0                | 0.138        | 3.282           | 3.907724886 |
| 19/6/2018     | 17:09:10  | 0.086    | 61.24            | 17.19    | 0                | 0.138        | 3.282           | 3.907724886 |
| 19/6/2018     | 17:39:10  | 0.087    | 61.15            | 17.19    | 0                | 0.142        | 3.306           | 4.020992274 |
| 19/6/2018     | 18:09:10  | 0.086    | 61.05            | 17.19    | 0                | 0.138        | 3.282           | 3.907724886 |
| 19/6/2018     | 18:39:10  | 0.086    | 60.96            | 17.19    | 0                | 0.138        | 3.282           | 3.907724886 |
| 19/6/2018     | 19:09:10  | 0.086    | 60.87            | 17.19    | 0                | 0.138        | 3.282           | 3.907724886 |
| 19/6/2018     | 19:39:10  | 0.086    | 60.78            | 17.19    | 0                | 0.138        | 3.282           | 3.907724886 |
| 19/6/2018     | 20:09:10  | 0.086    | 60.69            | 17.19    | 0                | 0.138        | 3.282           | 3.907724886 |
| 19/6/2018     | 20:39:10  | 0.085    | 60.65            | 17.18    | 0                | 0.135        | 3.257           | 3.822774345 |
| 19/6/2018     | 21:09:10  | 0.084    | 60.56            | 17.18    | 0                | 0.132        | 3.232           | 3.737823804 |
| 19/6/2018     | 21:39:10  | 0.084    | 60.51            | 17.17    | 0                | 0.132        | 3.232           | 3.737823804 |
| 19/6/2018     | 22:09:10  | 0.085    | 60.47            | 17.17    | 0                | 0.135        | 3.257           | 3.822774345 |
| 19/6/2018     | 22:39:10  | 0.083    | 60.42            | 17.18    | 0                | 0.128        | 3.208           | 3.624556416 |
| 19/6/2018     | 23:09:10  | 0.084    | 60.38            | 17.17    | 0                | 0.132        | 3.232           | 3.737823804 |
| 19/6/2018     | 23:39:10  | 0.083    | 60.33            | 17.17    | 0                | 0.128        | 3.208           | 3.624556416 |
| 20/6/2018     | 00:09:10  | 0.083    | 60.33            | 17.18    | 0                | 0.128        | 3.208           | 3.624556416 |
| 20/6/2018     | 00:39:10  | 0.084    | 60.33            | 17.18    | 0                | 0.132        | 3.232           | 3.737823804 |
| 20/6/2018     | 01:09:10  | 0.086    | 60.38            | 17.18    | 0                | 0.138        | 3.282           | 3.907724886 |
| 20/6/2018     | 01:39:10  | 0.086    | 60.38            | 17.18    | 0                | 0.138        | 3.282           | 3.907724886 |
| 20/6/2018     | 02:09:10  | 0.086    | 60.38            | 17.18    | 0                | 0.138        | 3.282           | 3.907724886 |
| 20/6/2018     | 02:39:10  | 0.086    | 60.42            | 17.19    | 0                | 0.138        | 3.282           | 3.907724886 |
| 20/6/2018     | 03:09:10  | 0.088    | 60.51            | 17.19    | 0                | 0.145        | 3.331           | 4.105942815 |
| 20/6/2018     | 03:39:10  | 0.087    | 60.6             | 17.19    | 0                | 0.142        | 3.306           | 4.020992274 |
| 20/6/2018     | 04:09:10  | 0.088    | 60.92            | 17.2     | 0                | 0.145        | 3.331           | 4.105942815 |
| 20/6/2018     | 04:39:10  | 0.09     | 61.33            | 17.23    | 0                | 0.152        | 3.379           | 4.304160744 |
| 20/6/2018     | 05:09:10  | 0.09     | 61.69            | 17.24    | 0                | 0.152        | 3.379           | 4.304160744 |
| 20/6/2018     | 05:39:10  | 0.091    | 62.14            | 17.24    | 0                | 0.156        | 3.403           | 4.417428132 |
| 20/6/2018     | 06:09:10  | 0.091    | 62.46            | 17.24    | 0                | 0.156        | 3.403           | 4.417428132 |
| 20/6/2018     | 06:39:10  | 0.093    | 62.59            | 17.24    | 0                | 0.163        | 3.451           | 4.615646061 |
| 20/6/2018     | 07:09:10  | 0.09     | 62.59            | 17.23    | 0                | 0.152        | 3.379           | 4.304160744 |
| 20/6/2018     | 07:39:10  | 0.092    | 62.68            | 17.22    | 0                | 0.159        | 3.427           | 4.502378673 |
| 20/6/2018     | 08:09:10  | 0.09     | 62.64            | 17.22    | 0                | 0.152        | 3.379           | 4.304160744 |
| 20/6/2018     | 08:39:10  | 0.09     | 62.77            | 17.22    | 0                | 0.152        | 3.379           | 4.304160744 |
| 20/6/2018     | 09:09:10  | 0.088    | 62.73            | 17.22    | 0                | 0.145        | 3.331           | 4.105942815 |
| 20/6/2018     | 09:39:10  | 0.091    | 62.86            | 17.22    | 0                | 0.156        | 3.403           | 4.417428132 |
| 20/6/2018     | 10:09:10  | 0.09     | 62.77            | 17.22    | 0                | 0.152        | 3.379           | 4.304160744 |
| 20/6/2018     | 10:39:10  | 0.09     | 62.68            | 17.21    | 0                | 0.152        | 3.379           | 4.304160744 |
| 20/6/2018     | 11:09:10  | 0.089    | 62.59            | 17.2     | 0                | 0.149        | 3.355           | 4.219210203 |
| 20/6/2018     | 11:39:10  | 0.089    | 62.32            | 17.19    | 0                | 0.149        | 3.355           | 4.219210203 |
| 20/6/2018     | 12:09:10  | 0.088    | 62.09            | 17.17    | 0                | 0.145        | 3.331           | 4.105942815 |
| 20/6/2018     | 12:39:10  | 0.089    | 61.87            | 17.16    | 0                | 0.149        | 3.355           | 4.219210203 |
| 20/6/2018     | 13:09:10  | 0.089    | 61.69            | 17.15    | 0                | 0.149        | 3.355           | 4.219210203 |
| 20/6/2018     | 13:39:10  | 0.088    | 61.37            | 17.14    | 0                | 0.145        | 3.331           | 4.105942815 |
| 20/6/2018     | 14:09:10  | 0.088    | 61.15            | 17.12    | 0                | 0.145        | 3.331           | 4.105942815 |
| 20/6/2018     | 14:39:10  | 0.087    | 60.87            | 17.11    | 0                | 0.142        | 3.306           | 4.020992274 |
| 20/6/2018     | 15:09:10  | 0.086    | 60.65            | 17.1     | 0                | 0.138        | 3.282           | 3.907724886 |
| 20/6/2018     | 15:39:10  | 0.087    | 60.47            | 17.09    | 0                | 0.142        | 3.306           | 4.020992274 |
| 20/6/2018     | 16:09:10  | 0.086    | 60.29            | 17.1     | 0                | 0.138        | 3.282           | 3.907724886 |
| 20/6/2018     | 16:39:10  | 0.086    | 60.2             | 17.1     | 0                | 0.138        | 3.282           | 3.907724886 |
| 20/6/2018     | 17:09:10  | 0.086    | 60.02            | 17.1     | 0                | 0.138        | 3.282           | 3.907724886 |
| 20/6/2018     | 17:39:10  | 0.087    | 59.88            | 17.1     | 0                | 0.142        | 3.306           | 4.020992274 |
| 20/6/2018     | 18:09:10  | 0.086    | 59.74            | 17.09    | 0                | 0.138        | 3.282           | 3.907724886 |
| 20/6/2018     | 18:39:10  | 0.087    | 59.61            | 17.09    | 0                | 0.142        | 3.306           | 4.020992274 |
| 20/6/2018     | 19:09:10  | 0.085    | 59.47            | 17.09    | 0                | 0.135        | 3.257           | 3.822774345 |
| 20/6/2018     | 19:39:10  | 0.086    | 59.34            | 17.09    | 0                | 0.138        | 3.282           | 3.907724886 |
| 20/6/2018     | 20:09:10  | 0.086    | 59.25            | 17.09    | 0                | 0.138        | 3.282           | 3.907724886 |
| 20/6/2018     | 20:39:10  | 0.087    | 59.16            | 17.09    | 0                | 0.142        | 3.306           | 4.020992274 |
| 20/6/2018     | 21:09:10  | 0.086    | 59.02            | 17.09    | 0                | 0.138        | 3.282           | 3.907724886 |
| 20/6/2018     | 21:39:10  | 0.085    | 58.93            | 17.09    | 0                | 0.135        | 3.257           | 3.822774345 |
| 20/6/2018     | 22:09:10  | 0.084    | 58.8             | 17.1     | 0                | 0.132        | 3.232           | 3.737823804 |
| 20/6/2018     | 22:39:10  | 0.085    | 58.71            | 17.1     | 0                | 0.135        | 3.257           | 3.822774345 |
| 20/6/2018     | 23:09:10  | 0.084    | 58.66            | 17.1     | 0                | 0.132        | 3.232           | 3.737823804 |
| 20/6/2018     | 23:39:10  | 0.084    | 58.61            | 17.1     | 0                | 0.132        | 3.232           | 3.737823804 |

l/s



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 21/6/2018     | 00:09:10  | 0.082    | 58.66            | 17.11    | 0                | 0.125        | 3.183           | 3.539605875 |
| 21/6/2018     | 00:39:10  | 0.083    | 58.75            | 17.12    | 0                | 0.128        | 3.208           | 3.624556416 |
| 21/6/2018     | 01:09:10  | 0.082    | 58.8             | 17.14    | 0                | 0.125        | 3.183           | 3.539605875 |
| 21/6/2018     | 01:39:10  | 0.083    | 58.93            | 17.16    | 0                | 0.128        | 3.208           | 3.624556416 |
| 21/6/2018     | 02:09:10  | 0.085    | 59.16            | 17.19    | 0                | 0.135        | 3.257           | 3.822774345 |
| 21/6/2018     | 02:39:10  | 0.084    | 59.34            | 17.2     | 0                | 0.132        | 3.232           | 3.737823804 |
| 21/6/2018     | 03:09:10  | 0.083    | 59.38            | 17.2     | 0                | 0.128        | 3.208           | 3.624556416 |
| 21/6/2018     | 03:39:10  | 0.084    | 59.65            | 17.22    | 0                | 0.132        | 3.232           | 3.737823804 |
| 21/6/2018     | 04:09:10  | 0.083    | 59.88            | 17.22    | 0                | 0.128        | 3.208           | 3.624556416 |
| 21/6/2018     | 04:39:10  | 0.084    | 60.11            | 17.23    | 0                | 0.132        | 3.232           | 3.737823804 |
| 21/6/2018     | 05:09:10  | 0.087    | 60.42            | 17.24    | 0                | 0.142        | 3.306           | 4.020992274 |
| 21/6/2018     | 05:39:10  | 0.084    | 60.83            | 17.24    | 0                | 0.132        | 3.232           | 3.737823804 |
| 21/6/2018     | 06:09:10  | 0.087    | 61.33            | 17.25    | 0                | 0.142        | 3.306           | 4.020992274 |
| 21/6/2018     | 06:39:10  | 0.087    | 61.69            | 17.25    | 0                | 0.142        | 3.306           | 4.020992274 |
| 21/6/2018     | 07:09:10  | 0.083    | 61.91            | 17.25    | 0                | 0.128        | 3.208           | 3.624556416 |
| 21/6/2018     | 07:39:10  | 0.085    | 62.27            | 17.24    | 0                | 0.135        | 3.257           | 3.822774345 |
| 21/6/2018     | 08:09:10  | 0.083    | 62.41            | 17.24    | 0                | 0.128        | 3.208           | 3.624556416 |
| 21/6/2018     | 08:39:10  | 0.083    | 62.68            | 17.24    | 0                | 0.128        | 3.208           | 3.624556416 |
| 21/6/2018     | 09:09:10  | 0.084    | 62.64            | 17.24    | 0                | 0.132        | 3.232           | 3.737823804 |
| 21/6/2018     | 09:39:10  | 0.082    | 62.46            | 17.24    | 0                | 0.125        | 3.183           | 3.539605875 |
| 21/6/2018     | 10:09:10  | 0.082    | 62.27            | 17.21    | 0                | 0.125        | 3.183           | 3.539605875 |
| 21/6/2018     | 10:39:10  | 0.081    | 62               | 17.18    | 0                | 0.122        | 3.158           | 3.454655334 |
| 21/6/2018     | 11:09:10  | 0.081    | 61.82            | 17.17    | 0                | 0.122        | 3.158           | 3.454655334 |
| 21/6/2018     | 11:39:10  | 0.08     | 61.51            | 17.15    | 0                | 0.119        | 3.133           | 3.369704793 |
| 21/6/2018     | 12:09:10  | 0.08     | 61.19            | 17.14    | 0                | 0.119        | 3.133           | 3.369704793 |
| 21/6/2018     | 12:39:10  | 0.078    | 60.92            | 17.14    | 0                | 0.113        | 3.082           | 3.199803711 |
| 21/6/2018     | 13:09:10  | 0.078    | 60.65            | 17.13    | 0                | 0.113        | 3.082           | 3.199803711 |
| 21/6/2018     | 13:39:10  | 0.078    | 60.38            | 17.12    | 0                | 0.113        | 3.082           | 3.199803711 |
| 21/6/2018     | 14:09:10  | 0.077    | 60.11            | 17.11    | 0                | 0.11         | 3.057           | 3.11485317  |
| 21/6/2018     | 14:39:10  | 0.076    | 59.83            | 17.1     | 0                | 0.107        | 3.031           | 3.029902629 |
| 21/6/2018     | 15:09:10  | 0.075    | 59.56            | 17.09    | 0                | 0.104        | 3.005           | 2.944952088 |
| 21/6/2018     | 15:39:10  | 0.075    | 59.25            | 17.08    | 0                | 0.104        | 3.005           | 2.944952088 |
| 21/6/2018     | 16:09:10  | 0.075    | 59.02            | 17.07    | 0                | 0.104        | 3.005           | 2.944952088 |
| 21/6/2018     | 16:39:10  | 0.074    | 58.84            | 17.07    | 0                | 0.101        | 2.979           | 2.860001547 |
| 21/6/2018     | 17:09:10  | 0.075    | 58.61            | 17.06    | 0                | 0.104        | 3.005           | 2.944952088 |
| 21/6/2018     | 17:39:10  | 0.075    | 58.39            | 17.06    | 0                | 0.104        | 3.005           | 2.944952088 |
| 21/6/2018     | 18:09:10  | 0.074    | 58.21            | 17.05    | 0                | 0.101        | 2.979           | 2.860001547 |
| 21/6/2018     | 18:39:10  | 0.073    | 58.12            | 17.05    | 0                | 0.098        | 2.953           | 2.775051006 |
| 21/6/2018     | 19:09:10  | 0.074    | 57.98            | 17.04    | 0                | 0.101        | 2.979           | 2.860001547 |
| 21/6/2018     | 19:39:10  | 0.074    | 57.85            | 17.04    | 0                | 0.101        | 2.979           | 2.860001547 |
| 21/6/2018     | 20:09:10  | 0.074    | 57.76            | 17.04    | 0                | 0.101        | 2.979           | 2.860001547 |
| 21/6/2018     | 20:39:10  | 0.073    | 57.67            | 17.04    | 0                | 0.098        | 2.953           | 2.775051006 |
| 21/6/2018     | 21:09:10  | 0.073    | 57.67            | 17.05    | 0                | 0.098        | 2.953           | 2.775051006 |
| 21/6/2018     | 21:39:10  | 0.072    | 57.67            | 17.06    | 0                | 0.095        | 2.927           | 2.690100465 |
| 21/6/2018     | 22:09:10  | 0.072    | 57.67            | 17.08    | 0                | 0.095        | 2.927           | 2.690100465 |
| 21/6/2018     | 22:39:10  | 0.072    | 57.58            | 17.09    | 0                | 0.095        | 2.927           | 2.690100465 |
| 21/6/2018     | 23:09:10  | 0.073    | 57.53            | 17.09    | 0                | 0.098        | 2.953           | 2.775051006 |
| 21/6/2018     | 23:39:10  | 0.072    | 57.53            | 17.09    | 0                | 0.095        | 2.927           | 2.690100465 |
| 22/6/2018     | 00:09:10  | 0.072    | 57.67            | 17.1     | 0                | 0.095        | 2.927           | 2.690100465 |
| 22/6/2018     | 00:39:10  | 0.072    | 57.89            | 17.11    | 0                | 0.095        | 2.927           | 2.690100465 |
| 22/6/2018     | 01:09:10  | 0.074    | 58.21            | 17.14    | 0                | 0.101        | 2.979           | 2.860001547 |
| 22/6/2018     | 01:39:10  | 0.074    | 58.48            | 17.18    | 0                | 0.101        | 2.979           | 2.860001547 |
| 22/6/2018     | 02:09:10  | 0.073    | 58.93            | 17.2     | 0                | 0.098        | 2.953           | 2.775051006 |
| 22/6/2018     | 02:39:10  | 0.076    | 59.38            | 17.22    | 0                | 0.107        | 3.031           | 3.029902629 |
| 22/6/2018     | 03:09:10  | 0.074    | 59.88            | 17.24    | 0                | 0.101        | 2.979           | 2.860001547 |
| 22/6/2018     | 03:39:10  | 0.078    | 60.24            | 17.24    | 0                | 0.113        | 3.082           | 3.199803711 |
| 22/6/2018     | 04:09:10  | 0.078    | 60.65            | 17.25    | 0                | 0.113        | 3.082           | 3.199803711 |
| 22/6/2018     | 04:39:10  | 0.075    | 61.15            | 17.25    | 0                | 0.104        | 3.005           | 2.944952088 |
| 22/6/2018     | 05:09:10  | 0.079    | 61.55            | 17.26    | 0                | 0.116        | 3.107           | 3.284754252 |
| 22/6/2018     | 05:39:10  | 0.081    | 62               | 17.26    | 0                | 0.122        | 3.158           | 3.454655334 |
| 22/6/2018     | 06:09:10  | 0.081    | 62.5             | 17.26    | 0                | 0.122        | 3.158           | 3.454655334 |
| 22/6/2018     | 06:39:10  | 0.081    | 63.09            | 17.25    | 0                | 0.122        | 3.158           | 3.454655334 |
| 22/6/2018     | 07:09:10  | 0.082    | 63.36            | 17.26    | 0                | 0.125        | 3.183           | 3.539605875 |
| 22/6/2018     | 07:39:10  | 0.082    | 63.59            | 17.25    | 0                | 0.125        | 3.183           | 3.539605875 |
| 22/6/2018     | 08:09:10  | 0.08     | 63.86            | 17.24    | 0                | 0.119        | 3.133           | 3.369704793 |
| 22/6/2018     | 08:39:10  | 0.081    | 63.81            | 17.24    | 0                | 0.122        | 3.158           | 3.454655334 |
| 22/6/2018     | 09:09:10  | 0.078    | 63.72            | 17.24    | 0                | 0.113        | 3.082           | 3.199803711 |
| 22/6/2018     | 09:39:10  | 0.077    | 63.54            | 17.22    | 0                | 0.11         | 3.057           | 3.11485317  |
| 22/6/2018     | 10:09:10  | 0.075    | 63.31            | 17.2     | 0                | 0.104        | 3.005           | 2.944952088 |
| 22/6/2018     | 10:39:10  | 0.075    | 63.04            | 17.17    | 0                | 0.104        | 3.005           | 2.944952088 |
| 22/6/2018     | 11:09:10  | 0.074    | 62.77            | 17.16    | 0                | 0.101        | 2.979           | 2.860001547 |
| 22/6/2018     | 11:39:10  | 0.073    | 62.41            | 17.15    | 0                | 0.098        | 2.953           | 2.775051006 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 22/6/2018     | 12:09:10  | 0.072    | 62               | 17.14    | 0                | 0.095        | 2.927           | 2.690100465 |
| 22/6/2018     | 12:39:10  | 0.072    | 61.6             | 17.13    | 0                | 0.095        | 2.927           | 2.690100465 |
| 22/6/2018     | 13:09:10  | 0.071    | 61.28            | 17.12    | 0                | 0.092        | 2.901           | 2.605149924 |
| 22/6/2018     | 13:39:10  | 0.07     | 60.96            | 17.12    | 0                | 0.09         | 2.875           | 2.54851623  |
| 22/6/2018     | 14:09:10  | 0.069    | 60.6             | 17.11    | 0                | 0.087        | 2.848           | 2.463565689 |
| 22/6/2018     | 14:39:10  | 0.069    | 60.24            | 17.1     | 0                | 0.087        | 2.848           | 2.463565689 |
| 22/6/2018     | 15:09:10  | 0.068    | 59.79            | 17.09    | 0                | 0.084        | 2.821           | 2.378615148 |
| 22/6/2018     | 15:39:10  | 0.068    | 59.43            | 17.08    | 0                | 0.084        | 2.821           | 2.378615148 |
| 22/6/2018     | 16:09:10  | 0.068    | 59.11            | 17.07    | 0                | 0.084        | 2.821           | 2.378615148 |
| 22/6/2018     | 16:39:10  | 0.067    | 58.8             | 17.06    | 0                | 0.082        | 2.795           | 2.321981454 |
| 22/6/2018     | 17:09:10  | 0.067    | 58.52            | 17.06    | 0                | 0.082        | 2.795           | 2.321981454 |
| 22/6/2018     | 17:39:10  | 0.066    | 58.25            | 17.05    | 0                | 0.079        | 2.768           | 2.237030913 |
| 22/6/2018     | 18:09:10  | 0.066    | 57.98            | 17.05    | 0                | 0.079        | 2.768           | 2.237030913 |
| 22/6/2018     | 18:39:10  | 0.066    | 57.8             | 17.04    | 0                | 0.079        | 2.768           | 2.237030913 |
| 22/6/2018     | 19:09:10  | 0.065    | 57.58            | 17.04    | 0                | 0.077        | 2.741           | 2.180397219 |
| 22/6/2018     | 19:39:10  | 0.065    | 57.39            | 17.04    | 0                | 0.077        | 2.741           | 2.180397219 |
| 22/6/2018     | 20:09:10  | 0.065    | 57.21            | 17.04    | 0                | 0.077        | 2.741           | 2.180397219 |
| 22/6/2018     | 20:39:10  | 0.065    | 57.17            | 17.04    | 0                | 0.077        | 2.741           | 2.180397219 |
| 22/6/2018     | 21:09:10  | 0.065    | 57.03            | 17.04    | 0                | 0.077        | 2.741           | 2.180397219 |
| 22/6/2018     | 21:39:10  | 0.065    | 56.9             | 17.04    | 0                | 0.077        | 2.741           | 2.180397219 |
| 22/6/2018     | 22:09:10  | 0.064    | 56.72            | 17.04    | 0                | 0.074        | 2.713           | 2.095446678 |
| 22/6/2018     | 22:39:10  | 0.064    | 56.67            | 17.04    | 0                | 0.074        | 2.713           | 2.095446678 |
| 22/6/2018     | 23:09:10  | 0.065    | 56.63            | 17.04    | 0                | 0.077        | 2.741           | 2.180397219 |
| 22/6/2018     | 23:39:10  | 0.064    | 56.67            | 17.06    | 0                | 0.074        | 2.713           | 2.095446678 |
| 23/6/2018     | 00:09:10  | 0.065    | 56.94            | 17.07    | 0                | 0.077        | 2.741           | 2.180397219 |
| 23/6/2018     | 00:39:10  | 0.065    | 57.3             | 17.09    | 0                | 0.077        | 2.741           | 2.180397219 |
| 23/6/2018     | 01:09:10  | 0.066    | 57.71            | 17.14    | 0                | 0.079        | 2.768           | 2.237030913 |
| 23/6/2018     | 01:39:10  | 0.068    | 58.3             | 17.19    | 0                | 0.084        | 2.821           | 2.378615148 |
| 23/6/2018     | 02:09:10  | 0.069    | 59.02            | 17.22    | 0                | 0.087        | 2.848           | 2.463565689 |
| 23/6/2018     | 02:39:10  | 0.069    | 59.79            | 17.24    | 0                | 0.087        | 2.848           | 2.463565689 |
| 23/6/2018     | 03:09:10  | 0.07     | 60.6             | 17.25    | 0                | 0.09         | 2.875           | 2.54851623  |
| 23/6/2018     | 03:39:10  | 0.071    | 61.37            | 17.26    | 0                | 0.092        | 2.901           | 2.605149924 |
| 23/6/2018     | 04:09:10  | 0.07     | 62               | 17.27    | 0                | 0.09         | 2.875           | 2.54851623  |
| 23/6/2018     | 04:39:10  | 0.07     | 62.73            | 17.28    | 0                | 0.09         | 2.875           | 2.54851623  |
| 23/6/2018     | 05:09:10  | 0.07     | 63.54            | 17.28    | 0                | 0.09         | 2.875           | 2.54851623  |
| 23/6/2018     | 05:39:10  | 0.071    | 64.13            | 17.28    | 0                | 0.092        | 2.901           | 2.605149924 |
| 23/6/2018     | 06:09:10  | 0.072    | 64.71            | 17.29    | 0                | 0.095        | 2.927           | 2.690100465 |
| 23/6/2018     | 06:39:10  | 0.072    | 65.39            | 17.29    | 0                | 0.095        | 2.927           | 2.690100465 |
| 23/6/2018     | 07:09:10  | 0.077    | 65.84            | 17.29    | 0                | 0.11         | 3.057           | 3.11485317  |
| 23/6/2018     | 07:39:10  | 0.076    | 66.25            | 17.29    | 0                | 0.107        | 3.031           | 3.029902629 |
| 23/6/2018     | 08:09:10  | 0.075    | 66.43            | 17.28    | 0                | 0.104        | 3.005           | 2.944952088 |
| 23/6/2018     | 08:39:10  | 0.076    | 66.66            | 17.28    | 0                | 0.107        | 3.031           | 3.029902629 |
| 23/6/2018     | 09:09:10  | 0.074    | 66.75            | 17.28    | 0                | 0.101        | 2.979           | 2.860001547 |
| 23/6/2018     | 09:39:10  | 0.074    | 66.93            | 17.28    | 0                | 0.101        | 2.979           | 2.860001547 |
| 23/6/2018     | 10:09:10  | 0.073    | 66.84            | 17.26    | 0                | 0.098        | 2.953           | 2.775051006 |
| 23/6/2018     | 10:39:10  | 0.07     | 66.52            | 17.24    | 0                | 0.09         | 2.875           | 2.54851623  |
| 23/6/2018     | 11:09:10  | 0.069    | 66.03            | 17.22    | 0                | 0.087        | 2.848           | 2.463565689 |
| 23/6/2018     | 11:39:10  | 0.068    | 65.71            | 17.2     | 0                | 0.084        | 2.821           | 2.378615148 |
| 23/6/2018     | 12:09:10  | 0.067    | 65.35            | 17.18    | 0                | 0.082        | 2.795           | 2.321981454 |
| 23/6/2018     | 12:39:10  | 0.066    | 64.94            | 17.17    | 0                | 0.079        | 2.768           | 2.237030913 |
| 23/6/2018     | 13:09:10  | 0.065    | 64.53            | 17.16    | 0                | 0.077        | 2.741           | 2.180397219 |
| 23/6/2018     | 13:39:10  | 0.064    | 64.04            | 17.15    | 0                | 0.074        | 2.713           | 2.095446678 |
| 23/6/2018     | 14:09:10  | 0.063    | 63.54            | 17.14    | 0                | 0.072        | 2.686           | 2.038812984 |
| 23/6/2018     | 14:39:10  | 0.063    | 63               | 17.12    | 0                | 0.072        | 2.686           | 2.038812984 |
| 23/6/2018     | 15:09:10  | 0.062    | 62.41            | 17.11    | 0                | 0.069        | 2.658           | 1.953862443 |
| 23/6/2018     | 15:39:10  | 0.061    | 61.82            | 17.11    | 0                | 0.067        | 2.631           | 1.897228749 |
| 23/6/2018     | 16:09:10  | 0.06     | 61.33            | 17.09    | 0                | 0.065        | 2.603           | 1.840595055 |
| 23/6/2018     | 16:39:10  | 0.06     | 60.83            | 17.09    | 0                | 0.065        | 2.603           | 1.840595055 |
| 23/6/2018     | 17:09:10  | 0.06     | 60.38            | 17.08    | 0                | 0.065        | 2.603           | 1.840595055 |
| 23/6/2018     | 17:39:10  | 0.059    | 59.93            | 17.07    | 0                | 0.062        | 2.575           | 1.755644514 |
| 23/6/2018     | 18:09:10  | 0.058    | 59.47            | 17.06    | 0                | 0.06         | 2.547           | 1.69901082  |
| 23/6/2018     | 18:39:10  | 0.058    | 59.11            | 17.06    | 0                | 0.06         | 2.547           | 1.69901082  |
| 23/6/2018     | 19:09:10  | 0.057    | 58.66            | 17.06    | 0                | 0.058        | 2.518           | 1.642377126 |
| 23/6/2018     | 19:39:10  | 0.056    | 58.3             | 17.06    | 0                | 0.056        | 2.49            | 1.585743432 |
| 23/6/2018     | 20:09:10  | 0.057    | 58.03            | 17.05    | 0                | 0.058        | 2.518           | 1.642377126 |
| 23/6/2018     | 20:39:10  | 0.056    | 57.76            | 17.04    | 0                | 0.056        | 2.49            | 1.585743432 |
| 23/6/2018     | 21:09:10  | 0.056    | 57.44            | 17.05    | 0                | 0.056        | 2.49            | 1.585743432 |
| 23/6/2018     | 21:39:10  | 0.056    | 57.17            | 17.04    | 0                | 0.056        | 2.49            | 1.585743432 |
| 23/6/2018     | 22:09:10  | 0.055    | 56.94            | 17.04    | 0                | 0.054        | 2.461           | 1.529109738 |
| 23/6/2018     | 22:39:10  | 0.055    | 56.76            | 17.04    | 0                | 0.054        | 2.461           | 1.529109738 |
| 23/6/2018     | 23:09:10  | 0.055    | 56.67            | 17.05    | 0                | 0.054        | 2.461           | 1.529109738 |
| 23/6/2018     | 23:39:10  | 0.054    | 56.67            | 17.06    | 0                | 0.052        | 2.432           | 1.472476044 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 24/6/2018     | 00:09:10  | 0.054    | 56.99            | 17.08    | 0                | 0.052        | 2.432           | 1.472476044 |
| 24/6/2018     | 00:39:10  | 0.055    | 57.44            | 17.1     | 0                | 0.054        | 2.461           | 1.529109738 |
| 24/6/2018     | 01:09:10  | 0.057    | 58.21            | 17.15    | 0                | 0.058        | 2.518           | 1.642377126 |
| 24/6/2018     | 01:39:10  | 0.059    | 59.02            | 17.2     | 0                | 0.062        | 2.575           | 1.755644514 |
| 24/6/2018     | 02:09:10  | 0.059    | 59.93            | 17.24    | 0                | 0.062        | 2.575           | 1.755644514 |
| 24/6/2018     | 02:39:10  | 0.059    | 60.92            | 17.26    | 0                | 0.062        | 2.575           | 1.755644514 |
| 24/6/2018     | 03:09:10  | 0.063    | 61.91            | 17.27    | 0                | 0.072        | 2.686           | 2.038812984 |
| 24/6/2018     | 03:39:10  | 0.063    | 63.09            | 17.28    | 0                | 0.072        | 2.686           | 2.038812984 |
| 24/6/2018     | 04:09:10  | 0.066    | 63.59            | 17.29    | 0                | 0.079        | 2.768           | 2.237030913 |
| 24/6/2018     | 04:39:10  | 0.071    | 64.22            | 17.3     | 0                | 0.092        | 2.901           | 2.605149924 |
| 24/6/2018     | 05:09:10  | 0.075    | 65.17            | 17.3     | 0                | 0.104        | 3.005           | 2.944952088 |
| 24/6/2018     | 05:39:10  | 0.075    | 65.8             | 17.31    | 0                | 0.104        | 3.005           | 2.944952088 |
| 24/6/2018     | 06:09:10  | 0.076    | 66.75            | 17.32    | 0                | 0.107        | 3.031           | 3.029902629 |
| 24/6/2018     | 06:39:10  | 0.077    | 67.43            | 17.32    | 0                | 0.11         | 3.057           | 3.11485317  |
| 24/6/2018     | 07:09:10  | 0.074    | 68.28            | 17.32    | 0                | 0.101        | 2.979           | 2.860001547 |
| 24/6/2018     | 07:39:10  | 0.074    | 68.78            | 17.32    | 0                | 0.101        | 2.979           | 2.860001547 |
| 24/6/2018     | 08:09:10  | 0.066    | 68.78            | 17.32    | 0                | 0.079        | 2.768           | 2.237030913 |
| 24/6/2018     | 08:39:10  | 0.066    | 68.92            | 17.32    | 0                | 0.079        | 2.768           | 2.237030913 |
| 24/6/2018     | 09:09:10  | 0.062    | 68.92            | 17.31    | 0                | 0.069        | 2.658           | 1.953862443 |
| 24/6/2018     | 09:39:10  | 0.06     | 68.92            | 17.3     | 0                | 0.065        | 2.603           | 1.840595055 |
| 24/6/2018     | 10:09:10  | 0.06     | 68.6             | 17.28    | 0                | 0.065        | 2.603           | 1.840595055 |
| 24/6/2018     | 10:39:10  | 0.059    | 68.38            | 17.25    | 0                | 0.062        | 2.575           | 1.755644514 |
| 24/6/2018     | 11:09:10  | 0.055    | 68.01            | 17.24    | 0                | 0.054        | 2.461           | 1.529109738 |
| 24/6/2018     | 11:39:10  | 0.054    | 67.47            | 17.22    | 0                | 0.052        | 2.432           | 1.472476044 |
| 24/6/2018     | 12:09:10  | 0.051    | 66.75            | 17.2     | 0                | 0.046        | 2.344           | 1.302574962 |
| 24/6/2018     | 12:39:10  | 0.05     | 66.03            | 17.19    | 0                | 0.044        | 2.314           | 1.245941268 |
| 24/6/2018     | 13:09:10  | 0.05     | 65.44            | 17.18    | 0                | 0.044        | 2.314           | 1.245941268 |
| 24/6/2018     | 13:39:10  | 0.049    | 64.76            | 17.17    | 0                | 0.042        | 2.284           | 1.189307574 |
| 24/6/2018     | 14:09:10  | 0.048    | 64.17            | 17.16    | 0                | 0.04         | 2.254           | 1.13267388  |
| 24/6/2018     | 14:39:10  | 0.047    | 63.54            | 17.14    | 0                | 0.039        | 2.224           | 1.104357033 |
| 24/6/2018     | 15:09:10  | 0.046    | 62.91            | 17.13    | 0                | 0.037        | 2.193           | 1.047723339 |
| 24/6/2018     | 15:39:10  | 0.045    | 62.37            | 17.12    | 0                | 0.035        | 2.162           | 0.991089645 |
| 24/6/2018     | 16:09:10  | 0.043    | 61.78            | 17.11    | 0                | 0.032        | 2.1             | 0.906139104 |
| 24/6/2018     | 16:39:10  | 0.041    | 61.1             | 17.11    | 0                | 0.029        | 2.037           | 0.821188563 |
| 24/6/2018     | 17:09:10  | 0.04     | 60.42            | 17.1     | 0                | 0.028        | 2.005           | 0.792871716 |
| 24/6/2018     | 17:39:10  | 0.038    | 59.88            | 17.09    | 0                | 0.025        | 1.939           | 0.707921175 |
| 24/6/2018     | 18:09:10  | 0.038    | 59.34            | 17.08    | 0                | 0.025        | 1.939           | 0.707921175 |
| 24/6/2018     | 18:39:10  | 0.037    | 58.93            | 17.08    | 0                | 0.023        | 1.907           | 0.651287481 |
| 24/6/2018     | 19:09:10  | 0.037    | 58.61            | 17.07    | 0                | 0.023        | 1.907           | 0.651287481 |
| 24/6/2018     | 19:39:10  | 0.036    | 58.21            | 17.07    | 0                | 0.022        | 1.873           | 0.622970634 |
| 24/6/2018     | 20:09:10  | 0.036    | 57.98            | 17.07    | 0                | 0.022        | 1.873           | 0.622970634 |
| 24/6/2018     | 20:39:10  | 0.033    | 57.67            | 17.07    | 0                | 0.018        | 1.772           | 0.509703246 |
| 24/6/2018     | 21:09:10  | 0.035    | 57.26            | 17.06    | 0                | 0.021        | 1.84            | 0.594653787 |
| 24/6/2018     | 21:39:10  | 0.035    | 57.03            | 17.06    | 0                | 0.021        | 1.84            | 0.594653787 |
| 24/6/2018     | 22:09:10  | 0.035    | 56.72            | 17.06    | 0                | 0.021        | 1.84            | 0.594653787 |
| 24/6/2018     | 22:39:10  | 0.035    | 56.49            | 17.06    | 0                | 0.021        | 1.84            | 0.594653787 |
| 24/6/2018     | 23:09:10  | 0.035    | 56.67            | 17.07    | 0                | 0.021        | 1.84            | 0.594653787 |
| 24/6/2018     | 23:39:10  | 0.035    | 56.81            | 17.08    | 0                | 0.021        | 1.84            | 0.594653787 |
| 25/6/2018     | 00:09:10  | 0.036    | 57.21            | 17.09    | 0                | 0.022        | 1.873           | 0.622970634 |
| 25/6/2018     | 00:39:10  | 0.037    | 57.94            | 17.11    | 0                | 0.023        | 1.907           | 0.651287481 |
| 25/6/2018     | 01:09:10  | 0.044    | 59.16            | 17.17    | 0                | 0.034        | 2.131           | 0.962772798 |
| 25/6/2018     | 01:39:10  | 0.04     | 60.29            | 17.22    | 0                | 0.028        | 2.005           | 0.792871716 |
| 25/6/2018     | 02:09:10  | 0.048    | 61.55            | 17.25    | 0                | 0.04         | 2.254           | 1.13267388  |
| 25/6/2018     | 02:39:10  | 0.049    | 62.95            | 17.28    | 0                | 0.042        | 2.284           | 1.189307574 |
| 25/6/2018     | 03:09:10  | 0.05     | 64.35            | 17.3     | 0                | 0.044        | 2.314           | 1.245941268 |
| 25/6/2018     | 03:39:10  | 0.051    | 65.89            | 17.31    | 0                | 0.046        | 2.344           | 1.302574962 |
| 25/6/2018     | 04:09:10  | 0.052    | 67.34            | 17.32    | 0                | 0.048        | 2.373           | 1.359208656 |
| 25/6/2018     | 04:39:10  | 0.053    | 68.74            | 17.32    | 0                | 0.05         | 2.403           | 1.41584235  |
| 25/6/2018     | 05:09:10  | 0.053    | 69.96            | 17.32    | 0                | 0.05         | 2.403           | 1.41584235  |
| 25/6/2018     | 05:39:10  | 0.052    | 70.59            | 17.33    | 0                | 0.048        | 2.373           | 1.359208656 |
| 25/6/2018     | 06:09:10  | 0.049    | 70.54            | 17.33    | 0                | 0.042        | 2.284           | 1.189307574 |
| 25/6/2018     | 06:39:10  | 0.044    | 71.04            | 17.33    | 0                | 0.034        | 2.131           | 0.962772798 |
| 25/6/2018     | 07:09:10  | 0.041    | 71.76            | 17.32    | 0                | 0.029        | 2.037           | 0.821188563 |
| 25/6/2018     | 07:39:10  | 0.038    | 72.13            | 17.32    | 0                | 0.025        | 1.939           | 0.707921175 |
| 25/6/2018     | 08:09:10  | 0.036    | 72.4             | 17.32    | 0                | 0.022        | 1.873           | 0.622970634 |
| 25/6/2018     | 08:39:10  | 0.035    | 72.49            | 17.33    | 0                | 0.021        | 1.84            | 0.594653787 |
| 25/6/2018     | 09:09:10  | 0.033    | 72.17            | 17.33    | 0                | 0.017        | 1.737           | 0.481386399 |
| 25/6/2018     | 09:39:10  | 0.032    | 71.81            | 17.32    | 0                | 0.016        | 1.702           | 0.453069552 |
| 25/6/2018     | 10:09:10  | 0.028    | 71.22            | 17.3     | 0                | 0.012        | 1.558           | 0.339802164 |
| 25/6/2018     | 10:39:10  | 0.025    | 70.54            | 17.28    | 0                | 0.009        | 1.446           | 0.254851623 |
| 25/6/2018     | 11:09:10  | 0.023    | 69.73            | 17.26    | 0                | 0.008        | 1.368           | 0.226534776 |
| 25/6/2018     | 11:39:10  | 0.021    | 69.01            | 17.24    | 0                | 0.007        | 1.288           | 0.198217929 |

| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 25/6/2018     | 12:09:10  | 0.018    | 68.19            | 17.24    | 0                | 0.005        | 1.163           | 0.141584235 |
| 25/6/2018     | 12:39:10  | 0.015    | 67.43            | 17.22    | 0                | 0.003        | 1.03            | 0.084950541 |
| 25/6/2018     | 13:09:10  | 0.014    | 66.66            | 17.21    | 0                | 0.003        | 0.984           | 0.084950541 |
| 25/6/2018     | 13:39:10  | 0.011    | 65.89            | 17.2     | 0                | 0.002        | 0.838           | 0.056633694 |
| 25/6/2018     | 14:09:10  | 0.01     | 64.99            | 17.19    | 0                | 0.001        | 0.787           | 0.028316847 |
| 25/6/2018     | 14:39:10  | 0.008    | 64.13            | 17.17    | 0                | 0.001        | 0.678           | 0.028316847 |
| 25/6/2018     | 15:09:10  | 0.006    | 63.22            | 17.16    | 0                | 0            | 0.56            | 0           |
| 25/6/2018     | 15:39:10  | 0.004    | 62.41            | 17.15    | 0                | 0            | 0.427           | 0           |
| 25/6/2018     | 16:09:10  | 0.003    | 61.64            | 17.14    | 0                | 0            | 0.353           | 0           |
| 25/6/2018     | 16:39:10  | 0.002    | 60.92            | 17.13    | 0                | 0            | 0.269           | 0           |
| 25/6/2018     | 17:09:10  | 0.002    | 60.29            | 17.12    | 0                | 0            | 0.269           | 0           |
| 25/6/2018     | 17:39:10  | 0.001    | 59.56            | 17.12    | 0                | 0            | 0.17            | 0           |
| 25/6/2018     | 18:09:10  | 0.002    | 58.89            | 17.11    | 0                | 0            | 0.269           | 0           |
| 25/6/2018     | 18:39:10  | 0.001    | 58.34            | 17.1     | 0                | 0            | 0.17            | 0           |
| 25/6/2018     | 19:09:10  | -0.001   | 57.8             | 17.1     | 0                | 0            | 0               | 0           |
| 25/6/2018     | 19:39:10  | 0        | 57.35            | 17.1     | 0                | 0            | 0               | 0           |
| 25/6/2018     | 20:09:10  | -0.001   | 57.03            | 17.09    | 0                | 0            | 0               | 0           |
| 25/6/2018     | 20:39:10  | -0.003   | 56.54            | 17.09    | 0                | 0            | 0               | 0           |
| 25/6/2018     | 21:09:10  | -0.003   | 56.13            | 17.09    | 0                | 0            | 0               | 0           |
| 25/6/2018     | 21:39:10  | -0.003   | 55.72            | 17.09    | 0                | 0            | 0               | 0           |
| 25/6/2018     | 22:09:10  | -0.004   | 55.32            | 17.09    | 0                | 0            | 0               | 0           |
| 25/6/2018     | 22:39:10  | -0.004   | 55.18            | 17.09    | 0                | 0            | 0               | 0           |
| 25/6/2018     | 23:09:10  | -0.005   | 55.27            | 17.09    | 0                | 0            | 0               | 0           |
| 25/6/2018     | 23:39:10  | -0.005   | 55.77            | 17.1     | 0                | 0            | 0               | 0           |
| 26/6/2018     | 00:09:10  | 0        | 56.63            | 17.12    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 00:39:10  | 0.005    | 58.12            | 17.14    | 0                | 0            | 0.496           | 0           |
| 26/6/2018     | 01:09:10  | 0.009    | 59.65            | 17.18    | 0                | 0.001        | 0.733           | 0.028316847 |
| 26/6/2018     | 01:39:10  | 0.011    | 61.05            | 17.24    | 0                | 0.002        | 0.838           | 0.056633694 |
| 26/6/2018     | 02:09:10  | 0.009    | 62.59            | 17.27    | 0                | 0.001        | 0.733           | 0.028316847 |
| 26/6/2018     | 02:39:10  | 0.006    | 63.81            | 17.3     | 0                | 0            | 0.56            | 0           |
| 26/6/2018     | 03:09:10  | 0.008    | 65.3             | 17.32    | 0                | 0.001        | 0.678           | 0.028316847 |
| 26/6/2018     | 03:39:10  | 0.01     | 66.75            | 17.32    | 0                | 0.001        | 0.787           | 0.028316847 |
| 26/6/2018     | 04:09:10  | 0.009    | 68.01            | 17.33    | 0                | 0.001        | 0.733           | 0.028316847 |
| 26/6/2018     | 04:39:10  | 0.008    | 69.1             | 17.33    | 0                | 0.001        | 0.678           | 0.028316847 |
| 26/6/2018     | 05:09:10  | 0.007    | 70               | 17.34    | 0                | 0.001        | 0.621           | 0.028316847 |
| 26/6/2018     | 05:39:10  | 0.006    | 70.95            | 17.34    | 0                | 0            | 0.56            | 0           |
| 26/6/2018     | 06:09:10  | 0.007    | 71.63            | 17.35    | 0                | 0.001        | 0.621           | 0.028316847 |
| 26/6/2018     | 06:39:10  | 0.006    | 72.08            | 17.35    | 0                | 0            | 0.56            | 0           |
| 26/6/2018     | 07:09:10  | 0.005    | 71.76            | 17.35    | 0                | 0            | 0.496           | 0           |
| 26/6/2018     | 07:39:10  | 0.004    | 71.31            | 17.35    | 0                | 0            | 0.427           | 0           |
| 26/6/2018     | 08:09:10  | 0.002    | 71.22            | 17.35    | 0                | 0            | 0.269           | 0           |
| 26/6/2018     | 08:39:10  | 0        | 70.59            | 17.34    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 09:09:10  | -0.001   | 69.82            | 17.32    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 09:39:10  | -0.003   | 69.19            | 17.31    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 10:09:10  | -0.003   | 68.69            | 17.3     | 0                | 0            | 0               | 0           |
| 26/6/2018     | 10:39:10  | -0.004   | 68.38            | 17.28    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 11:09:10  | -0.002   | 68.42            | 17.28    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 11:39:10  | -0.003   | 68.28            | 17.28    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 12:09:10  | -0.005   | 67.92            | 17.27    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 12:39:10  | -0.006   | 67.25            | 17.25    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 13:09:10  | -0.007   | 66.61            | 17.24    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 13:39:10  | -0.008   | 65.71            | 17.24    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 14:09:10  | -0.008   | 65.03            | 17.22    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 14:39:10  | -0.008   | 64.17            | 17.2     | 0                | 0            | 0               | 0           |
| 26/6/2018     | 15:09:10  | -0.008   | 63.22            | 17.19    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 15:39:10  | -0.009   | 62.27            | 17.17    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 16:09:10  | -0.01    | 61.37            | 17.16    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 16:39:10  | -0.01    | 60.65            | 17.14    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 17:09:10  | -0.011   | 59.83            | 17.14    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 17:39:10  | -0.012   | 59.11            | 17.12    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 18:09:10  | -0.011   | 58.34            | 17.11    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 18:39:10  | -0.012   | 57.76            | 17.11    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 19:09:10  | -0.012   | 57.17            | 17.1     | 0                | 0            | 0               | 0           |
| 26/6/2018     | 19:39:10  | -0.012   | 56.67            | 17.09    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 20:09:10  | -0.011   | 56.4             | 17.09    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 20:39:10  | -0.011   | 56.13            | 17.09    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 21:09:10  | -0.009   | 56.17            | 17.09    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 21:39:10  | -0.009   | 55.95            | 17.09    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 22:09:10  | -0.008   | 56.04            | 17.09    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 22:39:10  | -0.009   | 56.45            | 17.09    | 0                | 0            | 0               | 0           |
| 26/6/2018     | 23:09:10  | -0.008   | 56.67            | 17.1     | 0                | 0            | 0               | 0           |
| 26/6/2018     | 23:39:10  | -0.007   | 57.08            | 17.11    | 0                | 0            | 0               | 0           |



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 27/6/2018     | 00:09:10  | -0.007   | 57.85            | 17.12    | 0                | 0            | 0               | 0           |
| 27/6/2018     | 00:39:10  | -0.002   | 59.11            | 17.14    | 0                | 0            | 0               | 0           |
| 27/6/2018     | 01:09:10  | -0.001   | 60.47            | 17.19    | 0                | 0            | 0               | 0           |
| 27/6/2018     | 01:39:10  | 0.001    | 61.96            | 17.24    | 0                | 0            | 0.17            | 0           |
| 27/6/2018     | 02:09:10  | 0.003    | 63.27            | 17.28    | 0                | 0            | 0.353           | 0           |
| 27/6/2018     | 02:39:10  | 0.005    | 64.62            | 17.3     | 0                | 0            | 0.496           | 0           |
| 27/6/2018     | 03:09:10  | 0.007    | 66.21            | 17.31    | 0                | 0.001        | 0.621           | 0.028316847 |
| 27/6/2018     | 03:39:10  | 0.009    | 67.79            | 17.32    | 0                | 0.001        | 0.733           | 0.028316847 |
| 27/6/2018     | 04:09:10  | 0.01     | 69.1             | 17.33    | 0                | 0.001        | 0.787           | 0.028316847 |
| 27/6/2018     | 04:39:10  | 0.012    | 70.5             | 17.33    | 0                | 0.002        | 0.888           | 0.056633694 |
| 27/6/2018     | 05:09:10  | 0.012    | 71.4             | 17.34    | 0                | 0.002        | 0.888           | 0.056633694 |
| 27/6/2018     | 05:39:10  | 0.014    | 72.26            | 17.35    | 0                | 0.003        | 0.984           | 0.084950541 |
| 27/6/2018     | 06:09:10  | 0.017    | 73.39            | 17.36    | 0                | 0.004        | 1.119           | 0.113267388 |
| 27/6/2018     | 06:39:10  | 0.017    | 73.48            | 17.35    | 0                | 0.004        | 1.119           | 0.113267388 |
| 27/6/2018     | 07:09:10  | 0.018    | 74.16            | 17.35    | 0                | 0.005        | 1.163           | 0.141584235 |
| 27/6/2018     | 07:39:10  | 0.024    | 74.61            | 17.35    | 0                | 0.009        | 1.407           | 0.254851623 |
| 27/6/2018     | 08:09:10  | 0.023    | 74.84            | 17.34    | 0                | 0.008        | 1.368           | 0.226534776 |
| 27/6/2018     | 08:39:10  | 0.02     | 74.48            | 17.35    | 0                | 0.006        | 1.247           | 0.169901082 |
| 27/6/2018     | 09:09:10  | 0.02     | 74.02            | 17.35    | 0                | 0.006        | 1.247           | 0.169901082 |
| 27/6/2018     | 09:39:10  | 0.019    | 73.39            | 17.34    | 0                | 0.005        | 1.205           | 0.141584235 |
| 27/6/2018     | 10:09:10  | 0.018    | 73.07            | 17.32    | 0                | 0.005        | 1.163           | 0.141584235 |
| 27/6/2018     | 10:39:10  | 0.018    | 72.8             | 17.3     | 0                | 0.005        | 1.163           | 0.141584235 |
| 27/6/2018     | 11:09:10  | 0.016    | 72.35            | 17.3     | 0                | 0.004        | 1.075           | 0.113267388 |
| 27/6/2018     | 11:39:10  | 0.015    | 71.94            | 17.28    | 0                | 0.003        | 1.03            | 0.084950541 |
| 27/6/2018     | 12:09:10  | 0.013    | 71.27            | 17.26    | 0                | 0.002        | 0.937           | 0.056633694 |
| 27/6/2018     | 12:39:10  | 0.013    | 70.54            | 17.25    | 0                | 0.002        | 0.937           | 0.056633694 |
| 27/6/2018     | 13:09:10  | 0.012    | 69.82            | 17.24    | 0                | 0.002        | 0.888           | 0.056633694 |
| 27/6/2018     | 13:39:10  | 0.012    | 69.05            | 17.22    | 0                | 0.002        | 0.888           | 0.056633694 |
| 27/6/2018     | 14:09:10  | 0.011    | 68.1             | 17.2     | 0                | 0.002        | 0.838           | 0.056633694 |
| 27/6/2018     | 14:39:10  | 0.012    | 67.2             | 17.19    | 0                | 0.002        | 0.888           | 0.056633694 |
| 27/6/2018     | 15:09:10  | 0.011    | 66.39            | 17.18    | 0                | 0.002        | 0.838           | 0.056633694 |
| 27/6/2018     | 15:39:10  | 0.012    | 65.57            | 17.17    | 0                | 0.002        | 0.888           | 0.056633694 |
| 27/6/2018     | 16:09:10  | 0.012    | 64.9             | 17.16    | 0                | 0.002        | 0.888           | 0.056633694 |
| 27/6/2018     | 16:39:10  | 0.01     | 64.26            | 17.14    | 0                | 0.001        | 0.787           | 0.028316847 |
| 27/6/2018     | 17:09:10  | 0.011    | 63.59            | 17.14    | 0                | 0.002        | 0.838           | 0.056633694 |
| 27/6/2018     | 17:39:10  | 0.01     | 63.04            | 17.12    | 0                | 0.001        | 0.787           | 0.028316847 |
| 27/6/2018     | 18:09:10  | 0.01     | 62.59            | 17.12    | 0                | 0.001        | 0.787           | 0.028316847 |
| 27/6/2018     | 18:39:10  | 0.01     | 62.05            | 17.11    | 0                | 0.001        | 0.787           | 0.028316847 |
| 27/6/2018     | 19:09:10  | 0.009    | 61.64            | 17.11    | 0                | 0.001        | 0.733           | 0.028316847 |
| 27/6/2018     | 19:39:10  | 0.01     | 61.33            | 17.11    | 0                | 0.001        | 0.787           | 0.028316847 |
| 27/6/2018     | 20:09:10  | 0.009    | 61.05            | 17.11    | 0                | 0.001        | 0.733           | 0.028316847 |
| 27/6/2018     | 20:39:10  | 0.009    | 60.69            | 17.11    | 0                | 0.001        | 0.733           | 0.028316847 |
| 27/6/2018     | 21:09:10  | 0.01     | 60.42            | 17.11    | 0                | 0.001        | 0.787           | 0.028316847 |
| 27/6/2018     | 21:39:10  | 0.01     | 59.97            | 17.1     | 0                | 0.001        | 0.787           | 0.028316847 |
| 27/6/2018     | 22:09:10  | 0.01     | 59.65            | 17.09    | 0                | 0.001        | 0.787           | 0.028316847 |
| 27/6/2018     | 22:39:10  | 0.01     | 59.43            | 17.09    | 0                | 0.001        | 0.787           | 0.028316847 |
| 27/6/2018     | 23:09:10  | 0.009    | 59.29            | 17.09    | 0                | 0.001        | 0.733           | 0.028316847 |
| 27/6/2018     | 23:39:10  | 0.011    | 59.52            | 17.1     | 0                | 0.002        | 0.838           | 0.056633694 |
| 28/6/2018     | 00:09:10  | 0.013    | 60.24            | 17.11    | 0                | 0.002        | 0.937           | 0.056633694 |
| 28/6/2018     | 00:39:10  | 0.015    | 60.96            | 17.13    | 0                | 0.003        | 1.03            | 0.084950541 |
| 28/6/2018     | 01:09:10  | 0.01     | 61.91            | 17.18    | 0                | 0.001        | 0.787           | 0.028316847 |
| 28/6/2018     | 01:39:10  | 0.018    | 63.31            | 17.24    | 0                | 0.005        | 1.163           | 0.141584235 |
| 28/6/2018     | 02:09:10  | 0.02     | 64.81            | 17.28    | 0                | 0.006        | 1.247           | 0.169901082 |
| 28/6/2018     | 02:39:10  | 0.023    | 66.12            | 17.3     | 0                | 0.008        | 1.368           | 0.226534776 |
| 28/6/2018     | 03:09:10  | 0.025    | 67.83            | 17.32    | 0                | 0.009        | 1.446           | 0.254851623 |
| 28/6/2018     | 03:39:10  | 0.024    | 68.51            | 17.33    | 0                | 0.009        | 1.407           | 0.254851623 |
| 28/6/2018     | 04:09:10  | 0.026    | 69.91            | 17.33    | 0                | 0.01         | 1.484           | 0.28316847  |
| 28/6/2018     | 04:39:10  | 0.025    | 70.77            | 17.34    | 0                | 0.009        | 1.446           | 0.254851623 |
| 28/6/2018     | 05:09:10  | 0.026    | 71.76            | 17.35    | 0                | 0.01         | 1.484           | 0.28316847  |
| 28/6/2018     | 05:39:10  | 0.026    | 72.76            | 17.35    | 0                | 0.01         | 1.484           | 0.28316847  |
| 28/6/2018     | 06:09:10  | 0.037    | 73.3             | 17.35    | 0                | 0.023        | 1.907           | 0.651287481 |
| 28/6/2018     | 06:39:10  | 0.036    | 74.2             | 17.35    | 0                | 0.022        | 1.873           | 0.622970634 |
| 28/6/2018     | 07:09:10  | 0.036    | 74.66            | 17.35    | 0                | 0.022        | 1.873           | 0.622970634 |
| 28/6/2018     | 07:39:10  | 0.033    | 74.34            | 17.36    | 0                | 0.017        | 1.737           | 0.481386399 |
| 28/6/2018     | 08:09:10  | 0.033    | 74.66            | 17.36    | 0                | 0.017        | 1.737           | 0.481386399 |
| 28/6/2018     | 08:39:10  | 0.033    | 74.52            | 17.35    | 0                | 0.017        | 1.737           | 0.481386399 |
| 28/6/2018     | 09:09:10  | 0.03     | 73.71            | 17.35    | 0                | 0.014        | 1.631           | 0.396435858 |
| 28/6/2018     | 09:39:10  | 0.027    | 72.76            | 17.35    | 0                | 0.011        | 1.521           | 0.311485317 |
| 28/6/2018     | 10:09:10  | 0.024    | 71.67            | 17.33    | 0                | 0.009        | 1.407           | 0.254851623 |
| 28/6/2018     | 10:39:10  | 0.023    | 71.22            | 17.31    | 0                | 0.008        | 1.368           | 0.226534776 |
| 28/6/2018     | 11:09:10  | 0.022    | 70.63            | 17.29    | 0                | 0.007        | 1.328           | 0.198217929 |
| 28/6/2018     | 11:39:10  | 0.02     | 70               | 17.27    | 0                | 0.006        | 1.247           | 0.169901082 |



| Global Logger | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |             |
|---------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-------------|
| Date          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)  |
| 28/6/2018     | 12:09:10  | 0.018    | 69.41            | 17.27    | 0                | 0.005        | 1.163           | 0.141584235 |
| 28/6/2018     | 12:39:10  | 0.018    | 69.01            | 17.26    | 0                | 0.005        | 1.163           | 0.141584235 |
| 28/6/2018     | 13:09:10  | 0.017    | 68.65            | 17.25    | 0                | 0.004        | 1.119           | 0.113267388 |
| 28/6/2018     | 13:39:10  | 0.016    | 68.1             | 17.25    | 0                | 0.004        | 1.075           | 0.113267388 |
| 28/6/2018     | 14:09:10  | 0.015    | 67.61            | 17.24    | 0                | 0.003        | 1.03            | 0.084950541 |
| 28/6/2018     | 14:39:10  | 0.014    | 67.02            | 17.22    | 0                | 0.003        | 0.984           | 0.084950541 |
| 28/6/2018     | 15:09:10  | 0.013    | 66.3             | 17.2     | 0                | 0.002        | 0.937           | 0.056633694 |
| 28/6/2018     | 15:39:10  | 0.011    | 65.48            | 17.19    | 0                | 0.002        | 0.838           | 0.056633694 |
| 28/6/2018     | 16:09:10  | 0.009    | 64.81            | 17.17    | 0                | 0.001        | 0.733           | 0.028316847 |
| 28/6/2018     | 16:39:10  | 0.009    | 64.22            | 17.16    | 0                | 0.001        | 0.733           | 0.028316847 |
| 28/6/2018     | 17:09:10  | 0.008    | 63.68            | 17.14    | 0                | 0.001        | 0.678           | 0.028316847 |
| 28/6/2018     | 17:39:10  | 0.007    | 63.13            | 17.14    | 0                | 0.001        | 0.621           | 0.028316847 |
| 28/6/2018     | 18:09:10  | 0.008    | 62.73            | 17.13    | 0                | 0.001        | 0.678           | 0.028316847 |
| 28/6/2018     | 18:39:10  | 0.007    | 62.27            | 17.12    | 0                | 0.001        | 0.621           | 0.028316847 |
| 28/6/2018     | 19:09:10  | 0.007    | 62               | 17.12    | 0                | 0.001        | 0.621           | 0.028316847 |
| 28/6/2018     | 19:39:10  | 0.006    | 61.82            | 17.12    | 0                | 0            | 0.56            | 0           |
| 28/6/2018     | 20:09:10  | 0.006    | 61.55            | 17.12    | 0                | 0            | 0.56            | 0           |
| 28/6/2018     | 20:39:10  | 0.007    | 61.15            | 17.12    | 0                | 0.001        | 0.621           | 0.028316847 |
| 28/6/2018     | 21:09:10  | 0.006    | 60.92            | 17.12    | 0                | 0            | 0.56            | 0           |
| 28/6/2018     | 21:39:10  | 0.004    | 60.33            | 17.12    | 0                | 0            | 0.427           | 0           |
| 28/6/2018     | 22:09:10  | 0.004    | 59.93            | 17.11    | 0                | 0            | 0.427           | 0           |
| 28/6/2018     | 22:39:10  | 0.004    | 60.11            | 17.11    | 0                | 0            | 0.427           | 0           |
| 28/6/2018     | 23:09:10  | 0.003    | 59.79            | 17.11    | 0                | 0            | 0.353           | 0           |
| 28/6/2018     | 23:39:10  | 0.003    | 59.83            | 17.12    | 0                | 0            | 0.353           | 0           |
| 29/6/2018     | 00:09:10  | 0.004    | 60.56            | 17.13    | 0                | 0            | 0.427           | 0           |
| 29/6/2018     | 00:39:10  | 0.005    | 61.73            | 17.15    | 0                | 0            | 0.496           | 0           |
| 29/6/2018     | 01:09:10  | 0.007    | 62.91            | 17.19    | 0                | 0.001        | 0.621           | 0.028316847 |
| 29/6/2018     | 01:39:10  | 0.008    | 64.13            | 17.25    | 0                | 0.001        | 0.678           | 0.028316847 |
| 29/6/2018     | 02:09:10  | 0.008    | 65.3             | 17.28    | 0                | 0.001        | 0.678           | 0.028316847 |
| 29/6/2018     | 02:39:10  | 0.009    | 66.34            | 17.31    | 0                | 0.001        | 0.733           | 0.028316847 |
| 29/6/2018     | 03:09:10  | 0.01     | 67.56            | 17.32    | 0                | 0.001        | 0.787           | 0.028316847 |
| 29/6/2018     | 03:39:10  | 0.011    | 68.69            | 17.33    | 0                | 0.002        | 0.838           | 0.056633694 |
| 29/6/2018     | 04:09:10  | 0.012    | 70.14            | 17.34    | 0                | 0.002        | 0.888           | 0.056633694 |
| 29/6/2018     | 04:39:10  | 0.011    | 71.13            | 17.34    | 0                | 0.002        | 0.838           | 0.056633694 |
| 29/6/2018     | 05:09:10  | 0.012    | 71.94            | 17.35    | 0                | 0.002        | 0.888           | 0.056633694 |
| 29/6/2018     | 05:39:10  | 0.013    | 72.85            | 17.35    | 0                | 0.002        | 0.937           | 0.056633694 |
| 29/6/2018     | 06:09:10  | 0.011    | 73.57            | 17.35    | 0                | 0.002        | 0.838           | 0.056633694 |
| 29/6/2018     | 06:39:10  | 0.012    | 73.75            | 17.35    | 0                | 0.002        | 0.888           | 0.056633694 |
| 29/6/2018     | 07:09:10  | 0.009    | 73.8             | 17.35    | 0                | 0.001        | 0.733           | 0.028316847 |
| 29/6/2018     | 07:39:10  | 0.007    | 73.62            | 17.35    | 0                | 0.001        | 0.621           | 0.028316847 |
| 29/6/2018     | 08:09:10  | 0.006    | 73.71            | 17.35    | 0                | 0            | 0.56            | 0           |
| 29/6/2018     | 08:39:10  | 0.006    | 73.98            | 17.35    | 0                | 0            | 0.56            | 0           |
| 29/6/2018     | 09:09:10  | 0.003    | 73.3             | 17.35    | 0                | 0            | 0.353           | 0           |
| 29/6/2018     | 09:39:10  | 0.001    | 72.08            | 17.35    | 0                | 0            | 0.17            | 0           |
| 29/6/2018     | 10:09:10  | -0.001   | 71.22            | 17.33    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 10:39:10  | -0.002   | 70.86            | 17.31    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 11:09:10  | -0.004   | 70.14            | 17.29    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 11:39:10  | -0.004   | 69.91            | 17.28    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 12:09:10  | -0.005   | 69.6             | 17.27    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 12:39:10  | -0.006   | 69.1             | 17.25    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 13:09:10  | -0.008   | 68.47            | 17.24    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 13:39:10  | -0.009   | 67.79            | 17.23    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 14:09:10  | -0.01    | 66.79            | 17.21    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 14:39:10  | -0.011   | 65.75            | 17.2     | 0                | 0            | 0               | 0           |
| 29/6/2018     | 15:09:10  | -0.012   | 64.67            | 17.19    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 15:39:10  | -0.013   | 63.63            | 17.17    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 16:09:10  | -0.015   | 62.68            | 17.16    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 16:39:10  | -0.015   | 61.87            | 17.15    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 17:09:10  | -0.017   | 61.28            | 17.14    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 17:39:10  | -0.018   | 60.42            | 17.14    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 18:09:10  | -0.019   | 59.7             | 17.13    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 18:39:10  | -0.02    | 59.07            | 17.12    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 19:09:10  | -0.02    | 58.52            | 17.12    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 19:39:10  | -0.02    | 58.03            | 17.12    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 20:09:10  | -0.021   | 57.39            | 17.12    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 20:39:10  | -0.02    | 57.21            | 17.11    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 21:09:10  | -0.02    | 57.3             | 17.11    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 21:39:10  | -0.02    | 57.17            | 17.11    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 22:09:10  | -0.02    | 57.17            | 17.12    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 22:39:10  | -0.019   | 57.21            | 17.12    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 23:09:10  | -0.02    | 57.71            | 17.12    | 0                | 0            | 0               | 0           |
| 29/6/2018     | 23:39:10  | -0.019   | 58.34            | 17.14    | 0                | 0            | 0               | 0           |

| Global Logger                                 | 16/1/2018 | 12:47:27 | Offset= 0 Inches | Mannings | Roughness= 0.014 | Slope= 4.5 % | Diameter= 50 cm |                 |
|-----------------------------------------------|-----------|----------|------------------|----------|------------------|--------------|-----------------|-----------------|
| Date                                          | Time      | Feet     | Temp F           | Volts    | Pulses           | Flow (CFS)   | Vel (FPS)       | Flow (l/s)      |
| 30/6/2018                                     | 00:09:10  | -0.02    | 59.07            | 17.14    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 00:39:10  | -0.019   | 59.79            | 17.16    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 01:09:10  | -0.018   | 60.51            | 17.19    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 01:39:10  | -0.017   | 61.42            | 17.24    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 02:09:10  | -0.018   | 62.32            | 17.28    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 02:39:10  | -0.017   | 63.13            | 17.3     | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 03:09:10  | -0.015   | 64.26            | 17.32    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 03:39:10  | -0.015   | 65.48            | 17.32    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 04:09:10  | -0.014   | 66.48            | 17.33    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 04:39:10  | -0.014   | 67.61            | 17.33    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 05:09:10  | -0.014   | 68.78            | 17.34    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 05:39:10  | -0.012   | 69.96            | 17.35    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 06:09:10  | -0.013   | 70.77            | 17.35    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 06:39:10  | -0.013   | 71.22            | 17.35    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 07:09:10  | -0.012   | 72.13            | 17.35    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 07:39:10  | -0.012   | 72.8             | 17.35    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 08:09:10  | -0.015   | 72.85            | 17.35    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 08:39:10  | -0.021   | 71.72            | 17.35    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 09:09:10  | -0.024   | 69.91            | 17.34    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 09:39:10  | -0.027   | 68.6             | 17.33    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 10:09:10  | -0.024   | 67.92            | 17.31    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 10:39:10  | -0.032   | 67.43            | 17.29    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 11:09:10  | -0.027   | 67.06            | 17.27    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 11:39:10  | -0.034   | 66.93            | 17.25    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 12:09:10  | -0.037   | 66.52            | 17.24    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 12:39:10  | -0.043   | 65.98            | 17.24    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 13:09:10  | -0.049   | 65.3             | 17.23    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 13:39:10  | -0.048   | 64.76            | 17.22    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 14:09:10  | -0.051   | 64.26            | 17.22    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 14:39:10  | -0.054   | 63.4             | 17.2     | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 15:09:10  | -0.055   | 62.46            | 17.19    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 15:39:10  | -0.058   | 61.55            | 17.18    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 16:09:10  | -0.055   | 60.78            | 17.17    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 16:39:10  | -0.059   | 60.15            | 17.16    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 17:09:10  | -0.061   | 59.47            | 17.16    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 17:39:10  | -0.063   | 58.75            | 17.15    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 18:09:10  | -0.062   | 58.03            | 17.15    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 18:39:10  | -0.063   | 57.35            | 17.14    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 19:09:10  | -0.062   | 56.72            | 17.14    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 19:39:10  | -0.062   | 56.4             | 17.14    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 20:09:10  | -0.063   | 56.4             | 17.14    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 20:39:10  | -0.064   | 56.49            | 17.14    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 21:09:10  | -0.063   | 56.31            | 17.14    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 21:39:10  | -0.067   | 56.4             | 17.14    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 22:09:10  | -0.068   | 56.54            | 17.15    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 22:39:10  | -0.069   | 56.9             | 17.16    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 23:09:10  | -0.068   | 57.49            | 17.16    | 0                | 0            | 0               | 0               |
| 30/6/2018                                     | 23:39:10  | -0.068   | 58.52            | 17.17    | 0                | 0            | 0               | 0               |
| Average Flow between 12/04/2018 and 30/6/2018 |           |          |                  |          |                  |              |                 | 1.167311452 l/s |

**APPENDIX E**  
**Landfill Gas Monitoring Data**

| Monitoring Point | Methane (CH4) %      |          |          |          | Carbon Dioxide (CO2) % |          |          |          | Oxygen (O2) % |          |          |
|------------------|----------------------|----------|----------|----------|------------------------|----------|----------|----------|---------------|----------|----------|
|                  | Compliance Limit (%) | 12/04/18 | 17/05/18 | 19/06/18 | Compliance Limit (%)   | 12/04/18 | 17/05/18 | 19/06/18 | 12/04/18      | 17/05/18 | 19/06/18 |
| BH101            | 1.0                  | -        | -        | -        | 5.8                    |          | -        | -        |               | -        | -        |
| BH102 (BH3)      |                      | 0        | 0        | 0        | 5.5                    | 0.1      | 0.1      | 0.1      | 19            | 19       | 19       |
| BH104            |                      | 0        | 0        | 0        | 5.5                    | 0.4      | 0.4      | 0.4      | 19            | 19       | 19       |
| BH105            |                      | 0        | 0        | 0        | 2.1                    | 0.4      | 0.4      | 0.4      | 20.1          | 20.1     | 20.1     |
| BH1              |                      | 0        | 0        | 0        | 11                     | 0.4      | 0.4      | 0.4      | 18.9          | 18.9     | 18.9     |
| BH2              |                      | 0        | 0        | 0        | 2.3                    | 0.4      | 0.4      | 0.4      | 18.5          | 18.5     | 18.5     |
| BH4              |                      | 0        | 0        | 0        | 1.1                    | 0.1      | 0.1      | 0.1      | 18.9          | 18.9     | 18.9     |
| BH5              |                      | 0        | 0        | 0        | 1.1                    | 0.3      | 0.3      | 0.3      | 20.3          | 20.3     | 20.3     |
| BH6              |                      | 0        | 0        | 0        | 6.0                    | 0.2      | 0.2      | 0.2      | 20.4          | 20.4     | 20.4     |
| BH9              |                      | 0        | 0        | 0        | 13.8                   | 0.5      | 0.5      | 0.5      | 20.6          | 20.6     | 20.6     |
| BH15             |                      | 0        | 0        | 0        | 8.2                    | 0.2      | 0.2      | 0.2      | 20.4          | 20.4     | 20.4     |
| BH18             |                      | 0        | 0        | 0        | 8.6                    | 0.3      | 0.3      | 0.3      | 19.8          | 19.8     | 19.8     |
| BH20             |                      | 0        | 0        | 0        | 10.1                   | 0.3      | 0.3      | 0.3      | 20.2          | 20.2     | 20.2     |
| TP1              |                      | 0        | 0        | 0        | 10                     | 0.5      | 0.3      | 0.5      | 19.7          | 19.7     | 19.7     |
| TP9              |                      | 0        | 0        | 0        | 21.7                   | 0.4      | 0.4      | 0.4      | 18.3          | 18.3     | 18.3     |
| TP10             |                      | 0        | 0        | 0        | 4.3                    | 0.2      | 0.2      | 0.2      | 20.4          | 20.4     | 20.4     |
| TP11             |                      | 0        | 0        | 0        | 3.1                    | 0.3      | 0.5      | 0.3      | 19.7          | 19.7     | 19.7     |
| TP12             |                      | 0        | 0        | 0        | 11.6                   | 0.3      | 0.3      | 0.3      | 20.4          | 20.4     | 20.4     |
| GW1              |                      | 0        | 0        | 0        | 5.0                    | 0.3      | 0.3      | 0.3      | 20.1          | 20.1     | 20.1     |



| Compliance Limit (%) | Monitoring Point |         |        |         |         |        |         |         |        |
|----------------------|------------------|---------|--------|---------|---------|--------|---------|---------|--------|
|                      | BH24             |         |        | BH25    |         |        | BH26    |         |        |
|                      | CH4 (%)          | CO2 (%) | O2 (%) | CH4 (%) | CO2 (%) | O2 (%) | CH4 (%) | CO2 (%) | O2 (%) |
|                      | 1.0              | 2.3     | N/A    | 1.0     | 2.3     | N/A    | 1.0     | 2.3     | N/A    |
| 04/04/18             | 0                | 1.4     | 15     | 0.1     | 1.7     | 17.4   | 0.1     | 2       | 15.2   |
| 11/04/18             | 0                | 1.5     | 15.8   | 0.1     | 1.4     | 16.9   | 0.2     | 1.9     | 17.8   |
| 12/04/18             | 0                | 0.3     | 20     | 0       | 0.4     | 19.8   | 0       | 0.2     | 19.8   |
| 18/04/18             | 0.1              | 2       | 16     | 0.1     | 1.8     | 17.5   | 0.1     | 1.9     | 17.4   |
| 25/04/18             | 0                | 1.9     | 15.1   | 0       | 1.4     | 16.8   | 0       | 1.5     | 16     |
| 03/05/18             | 0.2              | 0.4     | 20.3   | 0.1     | 0.3     | 20.5   | 0.8     | 1.7     | 9.6    |
| 11/05/18             | 0                | 1.2     | 20.6   | 0.1     | 0.6     | 16.8   | 0       | 2       | 14.8   |
| 17/05/18             | 0                | 0.3     | 20     | 0       | 0.4     | 19.8   | 0       | 0.2     | 19.8   |
| 18/05/18             | 0                | 2.1     | 19.7   | 0       | 1       | 17.3   | 1       | 2.3     | 16.8   |
| 01/06/18             | 0                | 0.2     | 17.92  | 0       | 0.1     | 18.1   | 0       | 0       | 17.3   |
| 06/06/18             | 0                | 1.2     | 19.8   | 0       | 1.9     | 18     | 0       | 2       | 19.2   |
| 13/06/18             | 0.1              | 1.5     | 19     | 0       | 2.1     | 18.5   | 0       | 2       | 17.7   |
| 19/06/18             | 0                | 0.3     | 20     | 0       | 0.4     | 19.8   | 0       | 0.2     | 19.8   |
| 20/06/18             | 0                | 1.2     | 17.4   | 0       | 2       | 18.6   | 0       | 1.5     | 19.1   |
| 26/06/18             | 0                | 2       | 19.6   | 0.2     | 1.7     | 17.4   | 0       | 0.5     | 19.5   |

| Compliance Limit (%) | Monitoring Point |         |        |         |         |        |
|----------------------|------------------|---------|--------|---------|---------|--------|
|                      | BH27             |         |        | BH28    |         |        |
|                      | CH4 (%)          | CO2 (%) | O2 (%) | CH4 (%) | CO2 (%) | O2 (%) |
|                      | 1.0              | 2.3     | N/A    | 1.0     | 2.3     | N/A    |
| 04/04/18             | 0.2              | 2       | 13     | 0       | 1.9     | 12     |
| 11/04/18             | 0                | 2.1     | 14.5   | 0       | 1.9     | 14     |
| 12/04/18             | 0                | 0.5     | 20.1   | 0       | 0.3     | 20.2   |
| 18/04/18             | 0.1              | 2.2     | 15     | 0       | 2       | 13     |
| 25/04/18             | 0                | 2.1     | 12.1   | 0       | 2.2     | 12.3   |
| 03/05/18             | 0                | 1.6     | 0.5    | 0       | 1.6     | 11.1   |
| 11/05/18             | 0                | 1.9     | 5.5    | 0       | 2       | 12.7   |
| 17/05/18             | 0                | 0.5     | 20.1   | 0       | 0.3     | 20.2   |
| 18/05/18             | 0.1              | 1.6     | 9.9    | 0.1     | 2.1     | 13.6   |
| 01/06/18             | 0.1              | 0.2     | 11.2   | 0       | 0.1     | 9.8    |
| 06/06/18             | 0                | 2       | 14.2   | 0       | 1.5     | 13.3   |
| 13/06/18             | 0.2              | 2.2     | 15     | 0       | 1.4     | 13.5   |
| 19/06/18             | 0                | 0.5     | 20.1   | 0       | 0.3     | 20.2   |
| 20/06/18             | 0                | 2.1     | 14.2   | 0       | 1.4     | 13.4   |
| 26/06/18             | 0.1              | 2.3     | 13.2   | 0       | 1.8     | 14.8   |

**Notes:**

Denotes exceedance of compliance limit

- Not sampled

## **APPENDIX F**

### **In-Waste Gas Results**

| Date       | ID        | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|-----------|---------|---------|--------|-----------|-------------|-----------|
| 03/04/2018 | WIV GC MB | 45.2    | 30.2    | 0.1    | 1001      | -55         | FILTERED  |
| 03/04/2018 | WIVA MB   | 33.1    | 27.9    | 0.2    | 1001      | -50         | FILTERED  |
| 03/04/2018 | WIVA0027  | 10.3    | 9.3     | 5      | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVA0026  | 20.1    | 12.5    | 8      | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVA0025  | 39.9    | 29      | 0.3    | 1001      | -15         | FILTERED  |
| 03/04/2018 | WIVA0020  | 45      | 29      | 0.1    | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIVA0019  | 33      | 23.6    | 0.2    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVA0018  | 43.2    | 25      | 0.1    | 1001      | -9          | FILTERED  |
| 03/04/2018 | WIVA0013  | 42      | 29.3    | 0.1    | 1001      | -10         | FILTERED  |
| 03/04/2018 | WIVA0012  | 31      | 20.1    | 0.2    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVA0011  | 26.3    | 21.2    | 0.1    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVA0010  | 24.2    | 20.1    | 0.1    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVA0001  | 19      | 15      | 0      | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVA0002  | 33      | 20.3    | 6      | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVA0003  | 1       | 3.8     | 17.4   | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVA0004  | 20      | 12.7    | 0.4    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVA0005  | 41.3    | 28.8    | 0.1    | 1001      | -50         | FILTERED  |
|            |           |         |         |        |           |             | FILTERED  |
| 03/04/2018 | WIVB MB   | 33.1    | 20.5    | 1      | 1001      | -48         | FILTERED  |
| 03/04/2018 | WIVB0025  | 20.4    | 18.8    | 1.1    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVB0034  | 40.2    | 23.9    | 0.3    | 1001      | -5          | FILTERED  |
| 03/04/2018 | WIVB0033  | 30.1    | 15.2    | 4      | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVB0032  | 30.6    | 20.5    | 0.3    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVB0039  | 1.2     | 4.7     | 19.1   | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVB0040  | 10.4    | 2.6     | 19.9   | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVB0041  | 36.3    | 23.4    | 0.1    | 1001      | -2          | FILTERED  |
| 03/04/2018 | WIVB0047  | 22.4    | 21.6    | 0.1    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVB0046  | 10.6    | 9       | 14.8   | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVB0048  | 40.5    | 15      | 0.9    | 1001      | -10         | FILTERED  |
| 03/04/2018 | WIVB MA   | 40.1    | 26      | 0.2    | 1001      | -47         | FILTERED  |
|            |           |         |         |        |           |             | FILTERED  |
| 03/04/2018 | WIVC MB   | 42.1    | 24.5    | 0.5    | 1001      | -47         | FILTERED  |
| 03/04/2018 | WIVC0009  | 30.2    | 24.2    | 0.2    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVC0017  | 42      | 26.3    | 0.2    | 1001      | -5          | FILTERED  |
| 03/04/2018 | WIVC0007  | 43      | 26.2    | 0.2    | 1001      | -5          | FILTERED  |
| 03/04/2018 | WIVC0006  | 9.3     | 22.3    | 0.3    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVC0014  | 30.4    | 20.6    | 0.2    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVC0015  | 41.7    | 26.3    | 0.1    | 1001      | -5          | FILTERED  |
| 03/04/2018 | WIVC0016  | 30.9    | 25.3    | 0.3    | 1001      | -5          | FILTERED  |
| 03/04/2018 | WIVC0024  | 42.1    | 27.3    | 0      | 1001      | -10         | FILTERED  |
| 03/04/2018 | WIVC0021  | 33.5    | 22.6    | 1      | 1001      | -1          | FILTERED  |
| 03/04/2018 | WIVC0022  | 43.2    | 26.2    | 0.1    | 1001      | -5          | FILTERED  |
| 03/04/2018 | WIVC0023  | 42      | 24.3    | 0.1    | 1001      | -7          | FILTERED  |
| 03/04/2018 | WIVC0028  | 47.7    | 27.4    | 0      | 1001      | -10         | FILTERED  |
| 03/04/2018 | WIVC0029  | 30.7    | 20.5    | 2.8    | 1001      | 0           | FILTERED  |

| Date       | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|----------|---------|---------|--------|-----------|-------------|-----------|
| 03/04/2018 | WIVC0030 | 50.3    | 24.4    | 0.1    | 1001      | -10         | FILTERED  |
| 03/04/2018 | WIVC MA  | 44.2    | 28.8    | 0.4    | 1001      | -46         | FILTERED  |
|            |          |         |         |        |           |             | FILTERED  |
| 03/04/2018 | WIVD MB  | 35.5    | 24.6    | 0.9    | 1001      | -46         | FILTERED  |
| 03/04/2018 | WIVD0052 | 47.3    | 21.7    | 0.1    | 1001      | -10         | FILTERED  |
| 03/04/2018 | WIVD0051 | 41.4    | 23.6    | 0.3    | 1001      | -10         | FILTERED  |
| 03/04/2018 | WIVD0049 | 31.4    | 20.7    | 2.5    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVD0050 | 40.2    | 20.4    | 0.2    | 1001      | -5          | FILTERED  |
| 03/04/2018 | WIVD0045 | 30.1    | 23.4    | 0.2    | 1001      | -1          | FILTERED  |
| 03/04/2018 | WIVD0043 | 40.3    | 20.6    | 0.1    | 1001      | -2          | FILTERED  |
| 03/04/2018 | WIVD0042 | 35.7    | 21.6    | 0      | 1001      | -1          | FILTERED  |
| 03/04/2018 | WIVD0044 | 28.4    | 19.9    | 0.1    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVD0035 | 33.3    | 17.4    | 0.1    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVD0036 | 40.6    | 23.2    | 0.1    | 1001      | -1          | FILTERED  |
| 03/04/2018 | WIVD0037 | 40.5    | 20.5    | 0.1    | 1001      | -5          | FILTERED  |
| 03/04/2018 | WIV0038  | 47.8    | 23.1    | 0.4    | 1001      | -5          | FILTERED  |
| 03/04/2018 | WIVD MA  | 43.6    | 23.9    | 0.1    | 1001      | -45         | FILTERED  |
|            |          |         |         |        |           |             | FILTERED  |
| 03/04/2018 | WIVE MB  | 39.9    | 27.4    | 1.1    | 1001      | -46         | FILTERED  |
| 03/04/2018 | WIVE0053 | 37.9    | 24.5    | 2.8    | 1001      | -2          | FILTERED  |
| 03/04/2018 | WIVE0054 | 20      | 22.7    | 0.6    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVE0055 | 42.6    | 25.6    | 0.5    | 1001      | -5          | FILTERED  |
| 03/04/2018 | WIVE0056 | 10.6    | 23.1    | 14.6   | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVE0061 | 30      | 21.5    | 0.4    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVE0062 | 29.2    | 21      | 0.3    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVE0063 | 34.1    | 19.6    | 0.4    | 1001      | ]           | FILTERED  |
| 03/04/2018 | WIVE0064 | 45.4    | 30.5    | 0.1    | 1001      | -15         | FILTERED  |
| 03/04/2018 | WIVE0069 | 0.4     | 4.9     | 18.9   | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVE MA  | 42.7    | 22.4    | 0.2    | 1001      | -46         | FILTERED  |
|            |          |         |         |        |           |             | FILTERED  |
| 03/04/2018 | WIVF MB  | 40.7    | 33.2    | 0.4    | 1001      | -45         | FILTERED  |
| 03/04/2018 | WIVF0072 | 44.4    | 34.1    | 0.1    | 1001      | -5          | FILTERED  |
| 03/04/2018 | WIVF0071 | 41      | 35.2    | 0.2    | 1001      | -10         | FILTERED  |
| 03/04/2018 | WIVF0070 | 40.1    | 30.2    | 0.7    | 1001      | -15         | FILTERED  |
| 03/04/2018 | WIVF0067 | 41.8    | 25.6    | 0.1    | 1001      | -10         | FILTERED  |
| 03/04/2018 | WIVF0065 | 31.7    | 23.5    | 0.2    | 1001      | -2          | FILTERED  |
| 03/04/2018 | WIVF0063 | 40.6    | 28      | 0.1    | 1001      | -5          | FILTERED  |
| 03/04/2018 | WIVF0060 | 40      | 20.1    | 0.9    | 1001      | -10         | FILTERED  |
| 03/04/2018 | WIVF0059 | 35.7    | 25.3    | 0.1    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVF0058 | 43.1    | 23.6    | 0.3    | 1001      | -5          | FILTERED  |
| 03/04/2018 | WIVF0057 | 0.5     | 2.8     | 18.3   | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIVF MA  | 44.4    | 32.1    | 0.4    | 1001      | -44         | FILTERED  |
|            |          |         |         |        |           |             | FILTERED  |
| 03/04/2018 | WIV0095  | 58.9    | 36.9    | 0.1    | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIV0097  | 51.6    | 33.8    | 0.1    | 1001      | -20         | FILTERED  |

| Date       | ID        | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|-----------|---------|---------|--------|-----------|-------------|-----------|
| 03/04/2018 | WIV0099   | 10.9    | 0.4     | 0.1    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIV0096   | 23.9    | 10.8    | 0      | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIV0098   | 55.7    | 32.6    | 0      | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIV0100   | 55.9    | 34.7    | 0.1    | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIV00102  | 6.8     | 0.7     | 19.6   | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIV0103   | 57.2    | 31      | 0.1    | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIV0118   | 55.9    | 37.9    | 0.1    | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIV0117   | 54.9    | 38.4    | 0.1    | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIV0017   | 10      | 8       | 19.6   | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIV0119   | 57.2    | 39.1    | 0.1    | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIV0091   | 59      | 40.2    | 0.1    | 1001      | -20         | FILTERED  |
| 03/04/2018 | LM5       | 30.5    | 27.4    | 2.7    | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIV0020   | 59.5    | 40.2    | 0.1    | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIV0012   | 56.2    | 41.2    | 0.1    | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIV0011   | 55.4    | 39.5    | 0.3    | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIV0092   | 15.2    | 6.8     | 0      | 1001      | 0           | FILTERED  |
| 03/04/2018 | L3        | 23.8    | 10.6    | 0      | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIV0009   | 2.8     | 2.9     | 19.5   | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIV00125  | 58.1    | 30.6    | 0.1    | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIV0112   | 52.8    | 40.6    | 0.1    | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIV0111   | 59.3    | 41.2    | 0.1    | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIV0114   | 51.7    | 39.6    | 0.1    | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIV0113   | 30.8    | 27.4    | 0.1    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIV0104   | 53.6    | 40.6    | 0.1    | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIV0105   | 54.2    | 40.9    | 0.2    | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIV0106   | 50.3    | 39.7    | 0.1    | 1001      | -20         | FILTERED  |
| 03/04/2018 | VL2       | 10.7    | 5.5     | 19.9   | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIV0107   | 33.3    | 24.7    | 0.2    | 1001      | 0           | FILTERED  |
| 03/04/2018 | VLM1      | 20.8    | 12.5    | 0.7    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIV0107   | 47.9    | 28.4    | 0.1    | 1001      | -10         | FILTERED  |
| 03/04/2018 | WIV0109   | 39.8    | 34.9    | 0      | 1001      | -5          | FILTERED  |
| 03/04/2018 | WIV0110   | 33.8    | 28      | 0      | 1001      | -1          | FILTERED  |
| 03/04/2018 | WIV0101   | 44.5    | 32      | 0      | 1001      | -20         | FILTERED  |
| 03/04/2018 | RD1       | 55.7    | 23.9    | 0      | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIV0102   | 29.5    | 31.4    | 0      | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIV0103   | 27.6    | 21.9    | 0.1    | 1001      | 0           | FILTERED  |
| 03/04/2018 | WIV0118   | 55.9    | 34.8    | 0.3    | 1001      | -20         | FILTERED  |
| 03/04/2018 | WIV0116   | 54.8    | 41.1    | 0.1    | 1001      | -20         | FILTERED  |
| 03/04/2018 | L5        | 33.2    | 24.4    | 0.2    | 1001      | 0           | FILTERED  |
| 03/04/2018 | L4        | 48      | 23.8    | 0.3    | 1001      | -10         | FILTERED  |
| 03/04/2018 | WIVJ0020  | 56.8    | 30.1    | 0.2    | 1001      | -20         | FILTERED  |
| 03/04/2018 | LM5       | 30.9    | 21      | 6.2    | 1001      | -5          | FILTERED  |
| 12/04/2018 | WIV GC MB | 42.1    | 30.7    | 0.1    | 1008      | -60         | FILTERED  |
| 12/04/2018 | WIVA MB   | 35.1    | 28.1    | 0.2    | 1008      | -55         | FILTERED  |
| 12/04/2018 | WIVA0027  | 12.8    | 10.8    | 8      | 1008      | 0           | FILTERED  |



| Date       | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|----------|---------|---------|--------|-----------|-------------|-----------|
| 12/04/2018 | WIVA0026 | 21.3    | 20.4    | 10.9   | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVA0025 | 38.9    | 30      | 0.3    | 1008      | -5          | FILTERED  |
| 12/04/2018 | WIVA0020 | 42      | 27.4    | 0.1    | 1008      | -10         | FILTERED  |
| 12/04/2018 | WIVA0019 | 34.5    | 22.9    | 0.2    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVA0018 | 42.1    | 28.4    | 0.1    | 1008      | -5          | FILTERED  |
| 12/04/2018 | WIVA0013 | 40.5    | 28.4    | 0.1    | 1008      | -5          | FILTERED  |
| 12/04/2018 | WIVA0012 | 29.6    | 21.3    | 0.2    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVA0011 | 29.7    | 23.7    | 0.2    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVA0010 | 31.7    | 21      | 0.2    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVA0001 | 30.6    | 17.9    | 1      | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVA0002 | 30.2    | 21      | 8.6    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVA0003 | 10.7    | 9.8     | 18.8   | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVA0004 | 30.1    | 19.4    | 0.1    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVA0005 | 40.4    | 29.9    | 0.1    | 1008      | -55         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 12/04/2018 | WIVB MB  | 39.7    | 25.4    | 0.7    | 1008      | -54         | FILTERED  |
| 12/04/2018 | WIVB0025 | 22.8    | 20.5    | 1      | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVB0034 | 41.6    | 25.6    | 0.2    | 1008      | -5          | FILTERED  |
| 12/04/2018 | WIVB0033 | 33.1    | 20.7    | 2      | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVB0032 | 37.8    | 21      | 0.2    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVB0039 | 4.8     | 7.4     | 19.3   | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVB0040 | 9.2     | 4.3     | 19.4   | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVB0041 | 39      | 24.8    | 0.1    | 1008      | -2          | FILTERED  |
| 12/04/2018 | WIVB0047 | 30.8    | 22      | 0.2    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVB0046 | 19.8    | 12.1    | 17.9   | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVB0048 | 41.8    | 20.1    | 0.6    | 1008      | -10         | FILTERED  |
| 12/04/2018 | WIVB MA  | 40.9    | 27.6    | 0.1    | 1008      | -54         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 12/04/2018 | WIVC MB  | 40.7    | 26.6    | 0.1    | 1008      | -53         | FILTERED  |
| 12/04/2018 | WIVC0009 | 31.1    | 22.6    | 0.1    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVC0017 | 40.3    | 27.8    | 0.3    | 1008      | -5          | FILTERED  |
| 12/04/2018 | WIVC0007 | 41.8    | 25      | 0.1    | 1008      | -5          | FILTERED  |
| 12/04/2018 | WIVC0006 | 10.5    | 25.8    | 0.1    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVC0014 | 33.3    | 21.7    | 0.1    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVC0015 | 40      | 27.4    | 0.1    | 1008      | -5          | FILTERED  |
| 12/04/2018 | WIVC0016 | 29.6    | 23.1    | 0.3    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVC0024 | 41.9    | 28.2    | 0      | 1008      | -5          | FILTERED  |
| 12/04/2018 | WIVC0021 | 36.8    | 26      | 0.5    | 1008      | -1          | FILTERED  |
| 12/04/2018 | WIVC0022 | 44.7    | 25      | 0.1    | 1008      | -5          | FILTERED  |
| 12/04/2018 | WIVC0023 | 49.8    | 24.3    | 0.1    | 1008      | -10         | FILTERED  |
| 12/04/2018 | WIVC0028 | 43.4    | 28      | 0.1    | 1008      | -9          | FILTERED  |
| 12/04/2018 | WIVC0029 | 32.6    | 22.5    | 2      | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVC0030 | 46.8    | 23.8    | 0      | 1008      | -10         | FILTERED  |
| 12/04/2018 | WIVC MA  | 41.9    | 28.8    | 0.3    | 1008      | -53         | FILTERED  |
|            |          |         |         |        |           |             |           |

| Date       | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|----------|---------|---------|--------|-----------|-------------|-----------|
| 12/04/2018 | WIVD MB  | 39.7    | 27      | 0.4    | 1008      | -51         | FILTERED  |
| 12/04/2018 | WIVD0052 | 45.7    | 23.7    | 0.2    | 1008      | -10         | FILTERED  |
| 12/04/2018 | WIVD0051 | 40.1    | 24.2    | 0.1    | 1008      | -10         | FILTERED  |
| 12/04/2018 | WIVD0049 | 33.6    | 23.2    | 3      | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVD0050 | 43.8    | 24.4    | 0.2    | 1008      | -5          | FILTERED  |
| 12/04/2018 | WIVD0045 | 29.6    | 24      | 0.2    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVD0043 | 42.6    | 21.1    | 0      | 1008      | -5          | FILTERED  |
| 12/04/2018 | WIVD0042 | 37.8    | 23.6    | 0.1    | 1008      | -1          | FILTERED  |
| 12/04/2018 | WIVD0044 | 22.7    | 18.7    | 0.1    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVD0035 | 37.9    | 21.6    | 0.1    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVD0036 | 41.7    | 24.9    | 0.2    | 1008      | -4          | FILTERED  |
| 12/04/2018 | WIVD0037 | 40.6    | 21.8    | 0      | 1008      | -7          | FILTERED  |
| 12/04/2018 | WIV0038  | 45.5    | 23.7    | 0.3    | 1008      | -9          | FILTERED  |
| 12/04/2018 | WIVD MA  | 42.5    | 28.1    | 0.1    | 1008      | -51         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 12/04/2018 | WIVE MB  | 40.1    | 28.6    | 0.8    | 1008      | -50         | FILTERED  |
| 12/04/2018 | WIVE0053 | 35.7    | 23      | 3      | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVE0054 | 21.7    | 20.7    | 0.4    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVE0055 | 41.9    | 25.1    | 0.2    | 1008      | -5          | FILTERED  |
| 12/04/2018 | WIVE0056 | 30.6    | 20.7    | 10.7   | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVE0061 | 33.1    | 20.6    | 0.2    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVE0062 | 34.7    | 20.2    | 0.3    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVE0063 | 28.1    | 21.7    | 0.4    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVE0064 | 43.6    | 32      | 0.1    | 1008      | -15         | FILTERED  |
| 12/04/2018 | WIVE0069 | 10.9    | 9.1     | 19.3   | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVE MA  | 41.7    | 23.7    | 0.1    | 1008      | -50         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 12/04/2018 | WIVF MB  | 39.1    | 31.6    | 0.1    | 1008      | -49         | FILTERED  |
| 12/04/2018 | WIVF0072 | 40.1    | 33.3    | 0.2    | 1008      | -5          | FILTERED  |
| 12/04/2018 | WIVF0071 | 39.8    | 34.7    | 0.2    | 1008      | -8          | FILTERED  |
| 12/04/2018 | WIVF0070 | 42.1    | 30.6    | 0.4    | 1008      | -15         | FILTERED  |
| 12/04/2018 | WIVF0067 | 48.9    | 28.6    | 0.1    | 1008      | -10         | FILTERED  |
| 12/04/2018 | WIVF0065 | 37.5    | 23.8    | 0.1    | 1008      | -1          | FILTERED  |
| 12/04/2018 | WIVF0063 | 37.8    | 24.3    | 0.1    | 1008      | -1          | FILTERED  |
| 12/04/2018 | WIVF0060 | 42.4    | 21.4    | 0.4    | 1008      | -10         | FILTERED  |
| 12/04/2018 | WIVF0059 | 32.5    | 27.8    | 0.1    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVF0058 | 41.7    | 22.8    | 0.3    | 1008      | -7          | FILTERED  |
| 12/04/2018 | WIVF0057 | 5.8     | 3.7     | 19.6   | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIVF MA  | 43.8    | 32.6    | 0.2    | 1008      | -49         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 12/04/2018 | WIV0095  | 55.9    | 38.5    | 0.1    | 1008      | -25         | FILTERED  |
| 12/04/2018 | WIV0097  | 49.7    | 33.7    | 0.1    | 1008      | -25         | FILTERED  |
| 12/04/2018 | WIV0099  | 14.8    | 10.7    | 0.1    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIV0096  | 23.1    | 18.4    | 0      | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIV0098  | 52      | 33.8    | 0      | 1008      | -25         | FILTERED  |

| Date       | ID        | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|-----------|---------|---------|--------|-----------|-------------|-----------|
| 12/04/2018 | WIV0100   | 53.2    | 32.6    | 0      | 1008      | -25         | FILTERED  |
| 12/04/2018 | WIV00102  | 11      | 0.9     | 19.4   | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIV0103   | 54.9    | 33.6    | 0.1    | 1008      | -25         | FILTERED  |
| 12/04/2018 | WIV0118   | 56.8    | 36.7    | 0.1    | 1008      | -25         | FILTERED  |
| 12/04/2018 | WIV0117   | 50.6    | 38.4    | 0      | 1008      | -25         | FILTERED  |
| 12/04/2018 | WIV0017   | 0.4     | 3       | 19.6   | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIV0119   | 57.7    | 36.1    | 0.2    | 1008      | -25         | FILTERED  |
| 12/04/2018 | WIV0091   | 55.1    | 39.4    | 0.1    | 1008      | -25         | FILTERED  |
| 12/04/2018 | LM5       | 27.6    | 27.1    | 3.8    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIV0020   | 52.6    | 38.9    | 0.1    | 1008      | -25         | FILTERED  |
| 12/04/2018 | WIV0012   | 54.5    | 43.2    | 0.1    | 1008      | -25         | FILTERED  |
| 12/04/2018 | WIV0011   | 52.1    | 37.4    | 0.3    | 1008      | -25         | FILTERED  |
| 12/04/2018 | WIV0092   | 18.4    | 8.3     | 0      | 1008      | 0           | FILTERED  |
| 12/04/2018 | L3        | 30.4    | 14.8    | 0      | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIV0009   | 5.3     | 3.1     | 18.4   | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIV00125  | 57.2    | 33.2    | 0.1    | 1008      | -25         | FILTERED  |
| 12/04/2018 | WIV0112   | 51.5    | 39.5    | 0.1    | 1008      | -25         | FILTERED  |
| 12/04/2018 | WIV0111   | 55.3    | 40.1    | 0.1    | 1008      | -25         | FILTERED  |
| 12/04/2018 | WIV0114   | 49.6    | 38.9    | 0.1    | 1008      | -20         | FILTERED  |
| 12/04/2018 | WIV0113   | 33.7    | 27.5    | 0.1    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIV0104   | 53.9    | 39.9    | 0.1    | 1008      | -25         | FILTERED  |
| 12/04/2018 | WIV0105   | 54.2    | 40.9    | 0.2    | 1008      | -25         | FILTERED  |
| 12/04/2018 | WIV0106   | 51.4    | 39.4    | 0.1    | 1008      | -25         | FILTERED  |
| 12/04/2018 | VL2       | 20.6    | 12.8    | 17.5   | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIV0107   | 36.8    | 27.4    | 0.2    | 1008      | -2          | FILTERED  |
| 12/04/2018 | VLM1      | 22.6    | 15      | 0.2    | 1008      | 0           | FILTERED  |
| 12/04/2018 | WIV0107   | 50.4    | 30.5    | 0.1    | 1008      | -15         | FILTERED  |
| 12/4/2018  | WIV0109   | 40.6    | 33.7    | 0      | 1008      | -5          | FILTERED  |
| 12/4/2018  | WIV0110   | 30.6    | 27.2    | 0      | 1008      | 0           | FILTERED  |
| 12/4/2018  | WIV0101   | 45.1    | 32.7    | 0.1    | 1008      | -15         | FILTERED  |
| 12/4/2018  | RD1       | 55.7    | 23.9    | 0      | 1008      | -20         | FILTERED  |
| 12/4/2018  | WIV0102   | 20.7    | 19.6    | 0      | 1008      | 0           | FILTERED  |
| 12/4/2018  | WIV0103   | 27.6    | 21.9    | 0.1    | 1008      | 0           | FILTERED  |
| 12/4/2018  | WIV0118   | 54.2    | 33.5    | 0.2    | 1008      | -25         | FILTERED  |
| 12/4/2018  | WIV0116   | 55.3    | 41.1    | 0.2    | 1008      | -25         | FILTERED  |
| 12/4/2018  | L5        | 30.4    | 23.5    | 0.1    | 1008      | 0           | FILTERED  |
| 12/4/2018  | L4        | 38.1    | 23.8    | 0.5    | 1008      | -8          | FILTERED  |
| 12/4/2018  | WIVJ0020  | 57.4    | 32.4    | 0.1    | 1008      | -25         | FILTERED  |
| 12/4/2018  | LM5       | 34.3    | 27.4    | 4.1    | 1008      | -5          | FILTERED  |
| 18/4/2018  | WIV GC MB | 41.2    | 30.4    | 0.2    | 1005      | -65         | FILTERED  |
| 18/4/2018  | WIVA MB   | 38.9    | 27.4    | 0.4    | 1005      | -60         | FILTERED  |
| 18/4/2018  | WIVA0027  | 12.8    | 10.8    | 8      | 1005      | 0           | FILTERED  |
| 18/4/2018  | WIVA0026  | 21.3    | 20.4    | 10.9   | 1005      | 0           | FILTERED  |
| 18/4/2018  | WIVA0025  | 38.9    | 30      | 0.3    | 1005      | -5          | FILTERED  |
| 18/4/2018  | WIVA0020  | 42      | 27.4    | 0.1    | 1005      | -10         | FILTERED  |

| Date      | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|-----------|----------|---------|---------|--------|-----------|-------------|-----------|
| 18/4/2018 | WIVA0019 | 32.1    | 23.4    | 0.1    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVA0018 | 41.3    | 27.7    | 0.1    | 1005      | -5          | FILTERED  |
| 18/4/2018 | WIVA0013 | 39.4    | 27.5    | 0.2    | 1005      | -1          | FILTERED  |
| 18/4/2018 | WIVA0012 | 30.6    | 23.6    | 0.1    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVA0011 | 29.1    | 22.6    | 0.1    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVA0010 | 33.4    | 22.8    | 0.1    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVA0001 | 37.1    | 19.9    | 0.1    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVA0002 | 31.3    | 24.2    | 5.5    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVA0003 | 2       | 7.1     | 19.4   | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVA0004 | 28.5    | 19.3    | 0.1    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVA0005 | 41.5    | 30.5    | 0.1    | 1005      | -60         | FILTERED  |
|           |          |         |         |        |           |             |           |
| 18/4/2018 | WIVB MB  | 37.7    | 30.4    | 0.3    | 1005      | -60         | FILTERED  |
| 18/4/2018 | WIVB0025 | 25.8    | 21.7    | 0.6    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVB0034 | 40.7    | 26.2    | 0.1    | 1005      | -5          | FILTERED  |
| 18/4/2018 | WIVB0033 | 36.3    | 21.8    | 1.6    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVB0032 | 40.1    | 25.2    | 0.2    | 1005      | -1          | FILTERED  |
| 18/4/2018 | WIVB0039 | 10.4    | 8.2     | 19.9   | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVB0040 | 15.9    | 4.2     | 19     | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVB0041 | 43.4    | 25.9    | 0      | 1005      | -2          | FILTERED  |
| 18/4/2018 | WIVB0047 | 29.4    | 20.1    | 0.4    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVB0046 | 10.5    | 11.7    | 18.5   | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVB0048 | 44.5    | 27.5    | 0.2    | 1005      | -10         | FILTERED  |
| 18/4/2018 | WIVB MA  | 42.8    | 29.5    | 0.1    | 1005      | -58         | FILTERED  |
|           |          |         |         |        |           |             |           |
| 18/4/2018 | WIVC MB  | 39.7    | 25.3    | 0.2    | 1005      | -57         | FILTERED  |
| 18/4/2018 | WIVC0009 | 33.2    | 20.9    | 0.3    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVC0017 | 40.9    | 28.5    | 0.1    | 1005      | -10         | FILTERED  |
| 18/4/2018 | WIVC0007 | 36.5    | 23.6    | 0.3    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVC0006 | 14.2    | 20.5    | 0.3    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVC0014 | 37.8    | 24.4    | 0.1    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVC0015 | 43.1    | 27.4    | 0.1    | 1005      | -10         | FILTERED  |
| 18/4/2018 | WIVC0016 | 24.4    | 21.6    | 0.1    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVC0024 | 38.8    | 28.2    | 0      | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVC0021 | 33.4    | 25.3    | 0.8    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVC0022 | 43.3    | 24.9    | 0.1    | 1005      | -10         | FILTERED  |
| 18/4/2018 | WIVC0023 | 41.8    | 23.8    | 0.3    | 1005      | -8          | FILTERED  |
| 18/4/2018 | WIVC0028 | 37.8    | 24.6    | 0.4    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVC0029 | 29.7    | 22.6    | 0.7    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVC0030 | 44.8    | 23.4    | 0      | 1005      | -10         | FILTERED  |
| 18/4/2018 | WIVC MA  | 43.9    | 28.6    | 0.1    | 1005      | -57         | FILTERED  |
|           |          |         |         |        |           |             |           |
| 18/4/2018 | WIVD MB  | 36.9    | 32.1    | 0.5    | 1005      | -55         | FILTERED  |
| 18/4/2018 | WIVD0052 | 41.6    | 26.4    | 0.3    | 1005      | -10         | FILTERED  |
| 18/4/2018 | WIVD0051 | 38.7    | 23.8    | 0.3    | 1005      | -5          | FILTERED  |

| Date      | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|-----------|----------|---------|---------|--------|-----------|-------------|-----------|
| 18/4/2018 | WIVD0049 | 30.5    | 20.1    | 0.9    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVD0050 | 42.4    | 23.8    | 0.1    | 1005      | -10         | FILTERED  |
| 18/4/2018 | WIVD0045 | 30.3    | 22      | 0.2    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVD0043 | 40.5    | 21.4    | 0.1    | 1005      | -5          | FILTERED  |
| 18/4/2018 | WIVD0042 | 35.4    | 24.6    | 0      | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVD0044 | 25.8    | 12.9    | 0.1    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVD0035 | 35.8    | 21.7    | 0.1    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVD0036 | 40.4    | 23.8    | 0.1    | 1005      | -6          | FILTERED  |
| 18/4/2018 | WIVD0037 | 41.8    | 23.5    | 0      | 1005      | -10         | FILTERED  |
| 18/4/2018 | WIV0038  | 39.7    | 20.1    | 0.5    | 1005      | -2          | FILTERED  |
| 18/4/2018 | WIVD MA  | 41.9    | 29      | 0.2    | 1005      | -55         | FILTERED  |
|           |          |         |         |        |           |             |           |
| 18/4/2018 | WIVE MB  | 37.2    | 27.9    | 0.3    | 1005      | -55         | FILTERED  |
| 18/4/2018 | WIVE0053 | 40.1    | 24.8    | 0.2    | 1005      | -5          | FILTERED  |
| 18/4/2018 | WIVE0054 | 38.9    | 20.4    | 0.1    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVE0055 | 38.4    | 25.8    | 0.1    | 1005      | -1          | FILTERED  |
| 18/4/2018 | WIVE0056 | 37.9    | 23.8    | 5.5    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVE0061 | 39.9    | 23.6    | 0.5    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVE0062 | 37.1    | 21.8    | 0.5    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVE0063 | 37.8    | 23.5    | 0.1    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVE0064 | 39.6    | 32.8    | 0.1    | 1005      | -5          | FILTERED  |
| 18/4/2018 | WIVE0069 | 20.4    | 12.9    | 19.1   | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVE MA  | 41.6    | 24.7    | 0.1    | 1005      | -55         | FILTERED  |
|           |          |         |         |        |           |             |           |
| 18/4/2018 | WIVF MB  | 40.2    | 33.5    | 0.4    | 1005      | -54         | FILTERED  |
| 18/4/2018 | WIVF0072 | 39.6    | 32.1    | 0.2    | 1005      | -1          | FILTERED  |
| 18/4/2018 | WIVF0071 | 37.6    | 30.1    | 0.1    | 1005      | -1          | FILTERED  |
| 18/4/2018 | WIVF0070 | 38.8    | 30.4    | 0.2    | 1005      | -5          | FILTERED  |
| 18/4/2018 | WIVF0067 | 43.9    | 29.7    | 0.2    | 1005      | -10         | FILTERED  |
| 18/4/2018 | WIVF0065 | 35.8    | 21.9    | 0.4    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVF0063 | 40.1    | 25.8    | 0.3    | 1005      | -2          | FILTERED  |
| 18/4/2018 | WIVF0060 | 45.8    | 26.1    | 0.1    | 1005      | -10         | FILTERED  |
| 18/4/2018 | WIVF0059 | 30.6    | 23.7    | 0.1    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVF0058 | 40.4    | 22.9    | 0.1    | 1005      | -7          | FILTERED  |
| 18/4/2018 | WIVF0057 | 2.9     | 4.8     | 19.5   | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIVF MA  | 42.7    | 33.7    | 0.1    | 1005      | -54         | FILTERED  |
|           |          |         |         |        |           |             |           |
| 18/4/2018 | WIV0095  | 54.3    | 37.9    | 0.1    | 1005      | -30         | FILTERED  |
| 18/4/2018 | WIV0097  | 50.1    | 32.1    | 0.2    | 1005      | -30         | FILTERED  |
| 18/4/2018 | WIV0099  | 20.8    | 12.3    | 0.3    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIV0096  | 30.9    | 19.5    | 0.1    | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIV0098  | 55.6    | 34.6    | 0      | 1005      | -30         | FILTERED  |
| 18/4/2018 | WIV0100  | 51.4    | 35.4    | 0.1    | 1005      | -30         | FILTERED  |
| 18/4/2018 | WIV00102 | 15.8    | 10.9    | 18.9   | 1005      | 0           | FILTERED  |
| 18/4/2018 | WIV0103  | 51.6    | 33.2    | 0      | 1005      | -30         | FILTERED  |



| Date       | ID        | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|-----------|---------|---------|--------|-----------|-------------|-----------|
| 18/4/2018  | WIV0118   | 52.9    | 35.2    | 0      | 1005      | -30         | FILTERED  |
| 18/4/2018  | WIV0117   | 49.9    | 34.7    | 0      | 1005      | -30         | FILTERED  |
| 18/4/2018  | WIV0017   | 10      | 0.9     | 19.3   | 1005      | 0           | FILTERED  |
| 18/4/2018  | WIV0119   | 55.2    | 33.3    | 0      | 1005      | -30         | FILTERED  |
| 18/4/2018  | WIV0091   | 50.9    | 33.7    | 0.1    | 1005      | -30         | FILTERED  |
| 18/4/2018  | LM5       | 30.1    | 20.3    | 5      | 1005      | 0           | FILTERED  |
| 18/4/2018  | WIV0020   | 52.6    | 32.1    | 0      | 1005      | -30         | FILTERED  |
| 18/4/2018  | WIV0012   | 56.9    | 40.9    | 0      | 1005      | -30         | FILTERED  |
| 18/4/2018  | WIV0011   | 50.3    | 35.1    | 0.3    | 1005      | -30         | FILTERED  |
| 18/4/2018  | WIV0092   | 20.4    | 10.1    | 0      | 1005      | 0           | FILTERED  |
| 18/4/2018  | L3        | 28.3    | 15      | 0      | 1005      | 0           | FILTERED  |
| 18/4/2018  | WIV0009   | 10.9    | 9.9     | 17.9   | 1005      | 0           | FILTERED  |
| 18/4/2018  | WIV00125  | 55.3    | 33.8    | 0.1    | 1005      | -30         | FILTERED  |
| 18/4/2018  | WIV0112   | 49.7    | 36      | 0.1    | 1005      | -30         | FILTERED  |
| 18/4/2018  | WIV0111   | 59.7    | 40.2    | 0.1    | 1005      | -30         | FILTERED  |
| 18/4/2018  | WIV0114   | 42.2    | 36.4    | 0.1    | 1005      | -30         | FILTERED  |
| 18/4/2018  | WIV0113   | 39.1    | 27.4    | 0.1    | 1005      | -5          | FILTERED  |
| 18/4/2018  | WIV0104   | 55      | 40.3    | 0.1    | 1005      | -30         | FILTERED  |
| 18/04/2018 | WIV0105   | 56.7    | 40.9    | 0.1    | 1005      | -30         | FILTERED  |
| 18/04/2018 | WIV0106   | 50.6    | 39.5    | 0      | 1005      | -30         | FILTERED  |
| 18/04/2018 | VL2       | 19.2    | 15.2    | 19.5   | 1005      | 0           | FILTERED  |
| 18/04/2018 | WIV0107   | 34.2    | 25.1    | 0.1    | 1005      | 0           | FILTERED  |
| 18/04/2018 | VLM1      | 27.3    | 18      | 0.1    | 1005      | 0           | FILTERED  |
| 18/04/2018 | WIV0107   | 53.8    | 32.1    | 0.1    | 1005      | -30         | FILTERED  |
| 18/04/2018 | WIV0109   | 16.8    | 15.9    | 0      | 1005      | 0           | FILTERED  |
| 18/04/2018 | WIV0110   | 32.7    | 21.1    | 0      | 1005      | 0           | FILTERED  |
| 18/04/2018 | WIV0101   | 50.3    | 33.1    | 0.1    | 1005      | -30         | FILTERED  |
| 18/04/2018 | RD1       | 51.7    | 30      | 0.1    | 1005      | -30         | FILTERED  |
| 18/04/2018 | WIV0102   | 30.1    | 20.3    | 0.6    | 1005      | 0           | FILTERED  |
| 18/04/2018 | WIV0103   | 30.8    | 25.3    | 0      | 1005      | 0           | FILTERED  |
| 18/04/2018 | WIV0118   | 51.8    | 35.1    | 0.1    | 1005      | -30         | FILTERED  |
| 18/04/2018 | WIV0116   | 52.1    | 40.3    | 0.1    | 1005      | -30         | FILTERED  |
| 18/04/2018 | L5        | 24.6    | 20.3    | 0      | 1005      | 0           | FILTERED  |
| 18/04/2018 | L4        | 40.8    | 30.2    | 0.2    | 1005      | -10         | FILTERED  |
| 18/04/2018 | WIVJ0020  | 55.3    | 33.5    | 0      | 1005      | -30         | FILTERED  |
| 18/04/2018 | LM5       | 23.5    | 20.3    | 5      | 1005      | 0           | FILTERED  |
| 26/04/2018 | WIV GC MB | 42.1    | 32.4    | 0.4    | 998       | -60         | FILTERED  |
| 26/04/2018 | WIVA MB   | 35.5    | 28.4    | 0.1    | 998       | -55         | FILTERED  |
| 26/04/2018 | WIVA0027  | 15.6    | 11.3    | 10.2   | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVA0026  | 20.3    | 19.3    | 15.1   | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVA0025  | 40.3    | 30.5    | 0.1    | 998       | -5          | FILTERED  |
| 26/04/2018 | WIVA0020  | 44.6    | 28.1    | 0      | 998       | -10         | FILTERED  |
| 26/04/2018 | WIVA0019  | 34.4    | 22.1    | 0      | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVA0018  | 40.6    | 28.1    | 0.1    | 998       | -5          | FILTERED  |
| 26/04/2018 | WIVA0013  | 34.1    | 27.4    | 0.3    | 998       | 0           | FILTERED  |

| Date       | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|----------|---------|---------|--------|-----------|-------------|-----------|
| 26/04/2018 | WIVA0012 | 33.3    | 22.1    | 0      | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVA0011 | 30.8    | 20.3    | 0      | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVA0010 | 33.8    | 23.1    | 0.2    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVA0001 | 40      | 21.1    | 0      | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVA0002 | 35.1    | 23.5    | 3.8    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVA0003 | 5.1     | 8.1     | 19.3   | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVA0004 | 28.1    | 18.2    | 0      | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVA0005 | 42.7    | 32.1    | 0      | 998       | -55         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 26/04/2018 | WIVB MB  | 40.1    | 31.2    | 0.1    | 998       | -55         | FILTERED  |
| 26/04/2018 | WIVB0025 | 23.7    | 20.1    | 0.1    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVB0034 | 44.3    | 24.1    | 0      | 998       | -10         | FILTERED  |
| 26/04/2018 | WIVB0033 | 34.8    | 22.5    | 0.9    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVB0032 | 39.7    | 25.6    | 0.1    | 998       | -5          | FILTERED  |
| 26/04/2018 | WIVB0039 | 15.2    | 7.2     | 19.2   | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVB0040 | 20.1    | 18.1    | 17.2   | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVB0041 | 41.2    | 25.4    | 0      | 998       | -5          | FILTERED  |
| 26/04/2018 | WIVB0047 | 21.5    | 19.2    | 0.6    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVB0046 | 9.3     | 10.4    | 19     | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVB0048 | 41.7    | 25.1    | 0.1    | 998       | -10         | FILTERED  |
| 26/04/2018 | WIVB MA  | 40.9    | 29.5    | 0.1    | 998       | -55         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 26/04/2018 | WIVC MB  | 37.1    | 30.8    | 0.01   | 998       | -55         | FILTERED  |
| 26/04/2018 | WIVC0009 | 33.2    | 20.9    | 0.3    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVC0017 | 41.7    | 30.4    | 0.1    | 998       | -10         | FILTERED  |
| 26/04/2018 | WIVC0007 | 34.2    | 21.7    | 0.1    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVC0006 | 18.6    | 11.3    | 0.9    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVC0014 | 40.9    | 24.3    | 0.1    | 998       | -5          | FILTERED  |
| 26/04/2018 | WIVC0015 | 40.7    | 27.4    | 0.1    | 998       | -8          | FILTERED  |
| 26/04/2018 | WIVC0016 | 26.7    | 20.8    | 0      | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVC0024 | 40.8    | 28.3    | 0      | 998       | -2          | FILTERED  |
| 26/04/2018 | WIVC0021 | 37.5    | 25.4    | 0.2    | 998       | -1          | FILTERED  |
| 26/04/2018 | WIVC0022 | 44.5    | 24.8    | 0.1    | 998       | -10         | FILTERED  |
| 26/04/2018 | WIVC0023 | 41.7    | 22.1    | 0.1    | 998       | -5          | FILTERED  |
| 26/04/2018 | WIVC0028 | 34.8    | 25.1    | 0.5    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVC0029 | 25.1    | 21.7    | 0.2    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVC0030 | 42.2    | 23.5    | 0      | 998       | -10         | FILTERED  |
| 26/04/2018 | WIVC MA  | 41      | 25.6    | 0.1    | 998       | -55         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 26/04/2018 | WIVD MB  | 39.2    | 31.7    | 0.7    | 998       | -55         | FILTERED  |
| 26/04/2018 | WIVD0052 | 40.5    | 28.3    | 0.1    | 998       | -10         | FILTERED  |
| 26/04/2018 | WIVD0051 | 36.5    | 25.7    | 0      | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVD0049 | 25.2    | 18.3    | 0.1    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVD0050 | 40.2    | 22.6    | 0.1    | 998       | -8          | FILTERED  |
| 26/04/2018 | WIVD0045 | 35.4    | 21.4    | 0.5    | 998       | 0           | FILTERED  |

| Date       | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|----------|---------|---------|--------|-----------|-------------|-----------|
| 26/04/2018 | WIVD0043 | 42.5    | 22.5    | 0.1    | 998       | -10         | FILTERED  |
| 26/04/2018 | WIVD0042 | 33.5    | 25.1    | 0      | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVD0044 | 22.8    | 18.3    | 0.1    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVD0035 | 35.8    | 25.6    | 0.1    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVD0036 | 42.3    | 25.8    | 0.1    | 998       | -10         | FILTERED  |
| 26/04/2018 | WIVD0037 | 39.2    | 23.5    | 0.1    | 998       | -5          | FILTERED  |
| 26/04/2018 | WIV0038  | 30.8    | 20.5    | 0.5    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVD MA  | 40.6    | 30.5    | 0.2    | 998       | -55         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 26/04/2018 | WIVE MB  | 40.3    | 30.2    | 0.4    | 998       | -53         | FILTERED  |
| 26/04/2018 | WIVE0053 | 45.3    | 30.4    | 0.1    | 998       | -10         | FILTERED  |
| 26/04/2018 | WIVE0054 | 35.4    | 26.1    | 0.1    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVE0055 | 36.1    | 30.1    | 0.1    | 998       | -1          | FILTERED  |
| 26/04/2018 | WIVE0056 | 40.6    | 25.1    | 0.9    | 998       | -5          | FILTERED  |
| 26/04/2018 | WIVE0061 | 34.6    | 23.9    | 0.1    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVE0062 | 38.2    | 23      | 0.7    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVE0063 | 31.5    | 21.5    | 0.1    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVE0064 | 42.7    | 32.6    | 0.3    | 998       | -10         | FILTERED  |
| 26/04/2018 | WIVE0069 | 19.3    | 11.1    | 18.3   | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVE MA  | 41.5    | 29.9    | 0      | 998       | -53         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 26/04/2018 | WIVF MB  | 35.1    | 28.1    | 0.6    | 998       | -52         | FILTERED  |
| 26/04/2018 | WIVF0072 | 30.5    | 28.9    | 0.6    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVF0071 | 40.2    | 32.9    | 0.2    | 998       | -5          | FILTERED  |
| 26/04/2018 | WIVF0070 | 33.6    | 25.4    | 0.2    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVF0067 | 44.8    | 30.2    | 0.5    | 998       | -10         | FILTERED  |
| 26/04/2018 | WIVF0065 | 38.2    | 22.1    | 0.1    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVF0063 | 41.5    | 29.5    | 0.1    | 998       | -5          | FILTERED  |
| 26/04/2018 | WIVF0060 | 40.5    | 26.3    | 0.1    | 998       | -5          | FILTERED  |
| 26/04/2018 | WIVF0059 | 32.8    | 20.1    | 0.9    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVF0058 | 44.4    | 29.9    | 0.2    | 998       | -5          | FILTERED  |
| 26/04/2018 | WIVF0057 | 5.5     | 3.6     | 19     | 998       | 0           | FILTERED  |
| 26/04/2018 | WIVF MA  | 42      | 31.5    | 0.1    | 998       | -50         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 26/04/2018 | WIV0095  | 55.1    | 40.1    | 0.1    | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV0097  | 52.7    | 32.1    | 0.1    | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV0099  | 21.6    | 11.6    | 0.5    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIV0096  | 33.5    | 20      | 0.1    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIV0098  | 57.8    | 36.1    | 0.1    | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV0100  | 52.6    | 34.7    | 0.1    | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV00102 | 10.2    | 10.4    | 19.1   | 998       | 0           | FILTERED  |
| 26/04/2018 | WIV0103  | 55.2    | 36.5    | 0      | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV0118  | 54.8    | 34.2    | 0      | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV0117  | 50.1    | 34.1    | 0      | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV0017  | 20.8    | 12.9    | 16.3   | 998       | 0           | FILTERED  |

| Date       | ID        | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|-----------|---------|---------|--------|-----------|-------------|-----------|
| 26/04/2018 | WIV0119   | 56.1    | 34.2    | 0.1    | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV0091   | 52.4    | 34.9    | 0      | 998       | -30         | FILTERED  |
| 26/04/2018 | LM5       | 46.7    | 31      | 0.9    | 998       | -5          | FILTERED  |
| 26/04/2018 | WIV0020   | 54.6    | 32.4    | 0      | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV0012   | 51.3    | 37.1    | 0      | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV0011   | 56.4    | 31.6    | 0.1    | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV0092   | 16.4    | 15      | 0      | 998       | 0           | FILTERED  |
| 26/04/2018 | L3        | 35.1    | 20.6    | 0.6    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIV0009   | 15.7    | 10.5    | 19.1   | 998       | 0           | FILTERED  |
| 26/04/2018 | WIV00125  | 55.1    | 34.2    | 0      | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV0112   | 50.2    | 33.4    | 0.1    | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV0111   | 52.1    | 39.9    | 0.1    | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV0114   | 44.2    | 36.9    | 0.1    | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV0113   | 35.7    | 25.1    | 0.1    | 998       | -1          | FILTERED  |
| 26/04/2018 | WIV0104   | 53.4    | 40.1    | 0.1    | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV0105   | 53      | 39.4    | 0.1    | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV0106   | 57      | 39.5    | 0      | 998       | -30         | FILTERED  |
| 26/04/2018 | VL2       | 10.5    | 12      | 18.3   | 998       | 0           | FILTERED  |
| 26/04/2018 | WIV0107   | 33.5    | 22.9    | 0      | 998       | 0           | FILTERED  |
| 26/04/2018 | VLM1      | 36.5    | 23      | 0.6    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIV0107   | 55.1    | 33.1    | 0.3    | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV0109   | 36.4    | 25.3    | 0      | 998       | 0           | FILTERED  |
| 26/04/2018 | WIV0110   | 40.2    | 26.1    | 0      | 998       | -5          | FILTERED  |
| 26/04/2018 | WIV0101   | 57.9    | 36.7    | 0.1    | 998       | -30         | FILTERED  |
| 26/04/2018 | RD1       | 46.3    | 33.6    | 0.1    | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV0102   | 34.8    | 25.3    | 0.3    | 998       | 0           | FILTERED  |
| 26/04/2018 | WIV0103   | 33.8    | 30.2    | 0      | 998       | 0           | FILTERED  |
| 26/04/2018 | WIV0118   | 58.4    | 39.1    | 0.1    | 998       | -30         | FILTERED  |
| 26/04/2018 | WIV0116   | 50.3    | 37.1    | 0      | 998       | -30         | FILTERED  |
| 26/04/2018 | L5        | 41.6    | 29.3    | 0      | 998       | -5          | FILTERED  |
| 26/04/2018 | L4        | 40.5    | 30.2    | 0.2    | 998       | -10         | FILTERED  |
| 26/04/2018 | WIVJ0020  | 55.1    | 35.2    | 0      | 998       | -30         | FILTERED  |
| 26/04/2018 | LM5       | 35.3    | 25.3    | 3.6    | 998       | 0           | FILTERED  |
| 03/05/2018 | WIV GC MB | 40.2    | 34      | 0.4    | 1000      | -65         | FILTERED  |
| 03/05/2018 | WIVA MB   | 38.3    | 28.1    | 0.4    | 1000      | -60         | FILTERED  |
| 03/05/2018 | WIVA0027  | 14.2    | 15.3    | 15.3   | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVA0026  | 25      | 18.3    | 14.3   | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVA0025  | 42      | 30.5    | 0.1    | 1000      | -5          | FILTERED  |
| 03/05/2018 | WIVA0020  | 40.2    | 25.1    | 0      | 1000      | -5          | FILTERED  |
| 03/05/2018 | WIVA0019  | 39.9    | 23.6    | 0      | 1000      | -1          | FILTERED  |
| 03/05/2018 | WIVA0018  | 39.2    | 25      | 0      | 1000      | -5          | FILTERED  |
| 03/05/2018 | WIVA0013  | 30.7    | 25.3    | 0.3    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVA0012  | 36.1    | 24.1    | 0      | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVA0011  | 35.3    | 21.5    | 0      | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVA0010  | 30.5    | 21.3    | 0.2    | 1000      | 0           | FILTERED  |

| Date       | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|----------|---------|---------|--------|-----------|-------------|-----------|
| 03/05/2018 | WIVA0001 | 41.2    | 23.8    | 0      | 1000      | -5          | FILTERED  |
| 03/05/2018 | WIVA0002 | 36.9    | 22.4    | 5.6    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVA0003 | 10.6    | 9.3     | 18.6   | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVA0004 | 30.2    | 17.9    | 0      | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVA0005 | 41.5    | 32.5    | 0      | 1000      | -60         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 03/05/2018 | WIVB MB  | 39.4    | 32.5    | 0.1    | 1000      | -60         | FILTERED  |
| 03/05/2018 | WIVB0025 | 30.5    | 22.1    | 0      | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVB0034 | 47.3    | 33      | 0.1    | 1000      | -15         | FILTERED  |
| 03/05/2018 | WIVB0033 | 30.5    | 25.4    | 1.1    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVB0032 | 41.2    | 26.1    | 0.1    | 1000      | -5          | FILTERED  |
| 03/05/2018 | WIVB0039 | 10.5    | 8.9     | 19.9   | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVB0040 | 30.5    | 12.5    | 18.4   | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVB0041 | 44      | 26.7    | 0.1    | 1000      | -10         | FILTERED  |
| 03/05/2018 | WIVB0047 | 19.3    | 14.5    | 0.9    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVB0046 | 5.5     | 2.3     | 19.4   | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVB0048 | 39.4    | 25.6    | 0.5    | 1000      | -5          | FILTERED  |
| 03/05/2018 | WIVB MA  | 40.2    | 30.5    | 0      | 1000      | -60         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 03/05/2018 | WIVC MB  | 39.9    | 30.5    | 0.2    | 1000      | -58         | FILTERED  |
| 03/05/2018 | WIVC0009 | 36.7    | 21.9    | 0.3    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVC0017 | 44.5    | 31      | 0.2    | 1000      | -15         | FILTERED  |
| 03/05/2018 | WIVC0007 | 32.5    | 22.1    | 0.3    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVC0006 | 22.5    | 29.1    | 0.5    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVC0014 | 43.6    | 25.8    | 0.1    | 1000      | -10         | FILTERED  |
| 03/05/2018 | WIVC0015 | 36.8    | 25.7    | 0.2    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVC0016 | 25      | 19.3    | 0.1    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVC0024 | 30.2    | 20.8    | 0      | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVC0021 | 31.5    | 21.9    | 0.1    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVC0022 | 40.5    | 22.6    | 0      | 1000      | -5          | FILTERED  |
| 03/05/2018 | WIVC0023 | 39.8    | 22.5    | 0.1    | 1000      | -1          | FILTERED  |
| 03/05/2018 | WIVC0028 | 34.9    | 25.7    | 0.1    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVC0029 | 20.5    | 19.3    | 0.1    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVC0030 | 40.6    | 22.5    | 0      | 1000      | -5          | FILTERED  |
| 03/05/2018 | WIVC MA  | 41.9    | 28.6    | 0.2    | 1000      | -57         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 03/05/2018 | WIVD MB  | 37.2    | 32.5    | 0.1    | 1000      | -55         | FILTERED  |
| 03/05/2018 | WIVD0052 | 39.5    | 29.1    | 0.1    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVD0051 | 39.4    | 25.6    | 0.1    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVD0049 | 26.9    | 20.1    | 0.1    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVD0050 | 42.3    | 25.3    | 0.1    | 1000      | -10         | FILTERED  |
| 03/05/2018 | WIVD0045 | 30.2    | 20.5    | 0.1    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVD0043 | 46.1    | 25      | 0.1    | 1000      | -10         | FILTERED  |
| 03/05/2018 | WIVD0042 | 31.6    | 25.1    | 0      | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVD0044 | 28.1    | 19.5    | 0.1    | 1000      | 0           | FILTERED  |



| Date       | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|----------|---------|---------|--------|-----------|-------------|-----------|
| 03/05/2018 | WIVD0035 | 31.8    | 24.6    | 0.1    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVD0036 | 46.1    | 25.4    | 0.1    | 1000      | -15         | FILTERED  |
| 03/05/2018 | WIVD0037 | 31.8    | 21.3    | 0.3    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIV0038  | 30.8    | 20.5    | 0.5    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVD MA  | 42.8    | 31.5    | 0.2    | 1000      | -55         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 03/05/2018 | WIVE MB  | 42.1    | 32.5    | 0.1    | 1000      | -54         | FILTERED  |
| 03/05/2018 | WIVE0053 | 44.3    | 30.4    | 0.2    | 1000      | -10         | FILTERED  |
| 03/05/2018 | WIVE0054 | 31      | 25.3    | 0.4    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVE0055 | 39.4    | 30.5    | 0.1    | 1000      | -2          | FILTERED  |
| 03/05/2018 | WIVE0056 | 41.6    | 29.1    | 0.2    | 1000      | -10         | FILTERED  |
| 03/05/2018 | WIVE0061 | 36.4    | 23.9    | 0.1    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVE0062 | 40.1    | 25      | 0.4    | 1000      | -5          | FILTERED  |
| 03/05/2018 | WIVE0063 | 37.6    | 22.4    | 0      | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVE0064 | 45.6    | 33.4    | 0.2    | 1000      | -10         | FILTERED  |
| 03/05/2018 | WIVE0069 | 19.5    | 19.1    | 19.5   | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVE MA  | 42.9    | 28.1    | 0      | 1000      | -53         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 03/05/2018 | WIVF MB  | 39.9    | 28.1    | 0.1    | 1000      | -52         | FILTERED  |
| 03/05/2018 | WIVF0072 | 33.5    | 27.1    | 0.2    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVF0071 | 45.1    | 32.5    | 0.1    | 1000      | -10         | FILTERED  |
| 03/05/2018 | WIVF0070 | 38.5    | 25.4    | 0.1    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVF0067 | 41.5    | 31.1    | 0.1    | 1000      | -10         | FILTERED  |
| 03/05/2018 | WIVF0065 | 34.1    | 23.5    | 0      | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVF0063 | 39.4    | 29.5    | 0.2    | 1000      | -2          | FILTERED  |
| 03/05/2018 | WIVF0060 | 47.2    | 31.4    | 0.1    | 1000      | -10         | FILTERED  |
| 03/05/2018 | WIVF0059 | 29.4    | 20.5    | 0.1    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVF0058 | 43.7    | 29.4    | 0.1    | 1000      | -10         | FILTERED  |
| 03/05/2018 | WIVF0057 | 10.7    | 6.1     | 18.2   | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVF MA  | 44.2    | 28.4    | 0.1    | 1000      | -50         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 03/05/2018 | WIV0095  | 53.1    | 39.1    | 0.1    | 1000      | -25         | FILTERED  |
| 03/05/2018 | WIV0097  | 55.4    | 32.4    | 0      | 1000      | -25         | FILTERED  |
| 03/05/2018 | WIV0099  | 30.9    | 21.4    | 0.5    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIV0096  | 37.6    | 25.1    | 0.1    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIV0098  | 56.7    | 39.1    | 0.2    | 1000      | -25         | FILTERED  |
| 03/05/2018 | WIV0100  | 55.8    | 39.1    | 0.1    | 1000      | -25         | FILTERED  |
| 03/05/2018 | WIV00102 | 10.5    | 9.1     | 19.5   | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIV0103  | 56.7    | 34.1    | 0      | 1000      | -25         | FILTERED  |
| 03/05/2018 | WIV0118  | 51.3    | 36.1    | 0      | 1000      | -25         | FILTERED  |
| 03/05/2018 | WIV0117  | 54.9    | 36.1    | 0      | 1000      | -25         | FILTERED  |
| 03/05/2018 | WIV0017  | 20.1    | 15.4    | 14.2   | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIV0119  | 51.3    | 36.1    | 0.1    | 1000      | -25         | FILTERED  |
| 03/05/2018 | WIV0091  | 52.4    | 34.9    | 0      | 1000      | -25         | FILTERED  |
| 03/05/2018 | LM5      | 48.7    | 35.1    | 0.1    | 1000      | -20         | FILTERED  |

| Date       | ID        | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|-----------|---------|---------|--------|-----------|-------------|-----------|
| 03/05/2018 | WIV0020   | 57.1    | 32.4    | 0.1    | 1000      | -25         | FILTERED  |
| 03/05/2018 | WIV0012   | 55.5    | 39.4    | 0      | 1000      | -25         | FILTERED  |
| 03/05/2018 | WIV0011   | 54.1    | 34.2    | 0.1    | 1000      | -25         | FILTERED  |
| 03/05/2018 | WIV0092   | 20.4    | 19.2    | 0      | 1000      | 0           | FILTERED  |
| 03/05/2018 | L3        | 35.1    | 25.4    | 0.1    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIV0009   | 10.6    | 9.1     | 19.5   | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIV00125  | 54.1    | 36.1    | 0.1    | 1000      | -25         | FILTERED  |
| 03/05/2018 | WIV0112   | 56.2    | 34.6    | 0      | 1000      | -25         | FILTERED  |
| 03/05/2018 | WIV0111   | 57.4    | 40.1    | 0.1    | 1000      | -25         | FILTERED  |
| 03/05/2018 | WIV0114   | 48.5    | 37.2    | 0.1    | 1000      | -25         | FILTERED  |
| 03/05/2018 | WIV0113   | 39.8    | 29.1    | 0      | 1000      | -2          | FILTERED  |
| 03/05/2018 | WIV0104   | 59.1    | 40.6    | 0      | 1000      | -25         | FILTERED  |
| 03/05/2018 | WIV0105   | 56.6    | 40.1    | 0.1    | 1000      | -25         | FILTERED  |
| 03/05/2018 | WIV0106   | 55.1    | 40.2    | 0      | 1000      | -25         | FILTERED  |
| 03/05/2018 | VL2       | 9.2     | 8.1     | 19.7   | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIV0107   | 30.4    | 21.5    | 0.5    | 1000      | 0           | FILTERED  |
| 03/05/2018 | VLM1      | 39.1    | 25.6    | 0.1    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIV0107   | 59.5    | 36.2    | 0.1    | 1000      | -25         | FILTERED  |
| 03/05/2018 | WIV0109   | 30.7    | 25.8    | 0.1    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIV0110   | 44.5    | 30.1    | 0      | 1000      | -5          | FILTERED  |
| 03/05/2018 | WIV0101   | 60.5    | 42.9    | 0      | 1000      | -25         | FILTERED  |
| 03/05/2018 | RD1       | 50.4    | 36.4    | 0.2    | 1000      | 25          | FILTERED  |
| 03/05/2018 | WIV0102   | 31.9    | 34.2    | 0.3    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIV0103   | 35.7    | 29.1    | 0      | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIV0118   | 55.6    | 40.1    | 0.1    | 1000      | -25         | FILTERED  |
| 03/05/2018 | WIV0116   | 56.4    | 40.5    | 0      | 1000      | -25         | FILTERED  |
| 03/05/2018 | L5        | 44.6    | 30.2    | 0      | 1000      | -10         | FILTERED  |
| 03/05/2018 | L4        | 20.5    | 19.1    | 5.1    | 1000      | 0           | FILTERED  |
| 03/05/2018 | WIVJ0020  | 51.3    | 36.9    | 0.1    | 1000      | -25         | FILTERED  |
| 03/05/2018 | LM5       | 19.1    | 15.9    | 5.1    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIV GC MB | 40.6    | 33.2    | 0.3    | 1000      | -55         | FILTERED  |
| 21/05/2018 | WIVA MB   | 35.6    | 29      | 0.6    | 1000      | -60         | FILTERED  |
| 21/05/2018 | WIVA0027  | 15.9    | 12.7    | 14.2   | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVA0026  | 30.4    | 20.4    | 9.1    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVA0025  | 40.8    | 30.4    | 0.1    | 1000      | -5          | FILTERED  |
| 21/05/2018 | WIVA0020  | 41.1    | 26.5    | 0      | 1000      | -5          | FILTERED  |
| 21/05/2018 | WIVA0019  | 37.8    | 25.1    | 0      | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVA0018  | 34.4    | 23      | 0.3    | 1000      | -5          | FILTERED  |
| 21/05/2018 | WIVA0013  | 28.3    | 23.9    | 0.7    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVA0012  | 39.5    | 27.3    | 0      | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVA0011  | 40.6    | 22.7    | 0      | 1000      | -1          | FILTERED  |
| 21/05/2018 | WIVA0010  | 28.5    | 20.8    | 0.2    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVA0001  | 44.2    | 26.9    | 0      | 1000      | -5          | FILTERED  |
| 21/05/2018 | WIVA0002  | 31.7    | 21      | 4.3    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVA0003  | 12.6    | 10.8    | 19.9   | 1000      | 0           | FILTERED  |

| Date       | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|----------|---------|---------|--------|-----------|-------------|-----------|
| 21/05/2018 | WIVA0004 | 29.7    | 20.7    | 0      | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVA0005 | 40.4    | 32.3    | 0      | 1000      | -60         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 21/05/2018 | WIVB MB  | 40.8    | 33.2    | 0.1    | 1000      | -55         | FILTERED  |
| 21/05/2018 | WIVB0025 | 29.7    | 2.1     | 0      | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVB0034 | 44.4    | 31.4    | 0.1    | 1000      | -15         | FILTERED  |
| 21/05/2018 | WIVB0033 | 28.1    | 24      | 0.9    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVB0032 | 43.7    | 26.4    | 0.1    | 1000      | -5          | FILTERED  |
| 21/05/2018 | WIVB0039 | 13.4    | 10.9    | 18     | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVB0040 | 35.7    | 18.3    | 13.7   | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVB0041 | 40.1    | 26.4    | 0.1    | 1000      | -10         | FILTERED  |
| 21/05/2018 | WIVB0047 | 22.8    | 14.9    | 0.5    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVB0046 | 10.2    | 8.6     | 18.6   | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVB0048 | 40.5    | 25.8    | 0.1    | 1000      | -5          | FILTERED  |
| 21/05/2018 | WIVB MA  | 40.9    | 30.5    | 0      | 1000      | -60         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 21/05/2018 | WIVC MB  | 37.1    | 30.8    | 0.5    | 1000      | -58         | FILTERED  |
| 21/05/2018 | WIVC0009 | 35.7    | 21.8    | 0.01   | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVC0017 | 43.7    | 32.8    | 0.1    | 1000      | -15         | FILTERED  |
| 21/05/2018 | WIVC0007 | 30.5    | 25.1    | 0.1    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVC0006 | 20.6    | 19.9    | 0.5    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVC0014 | 40.1    | 24.6    | 0.1    | 1000      | -5          | FILTERED  |
| 21/05/2018 | WIVC0015 | 36.8    | 25.7    | 0.2    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVC0016 | 20.4    | 17.9    | 0.1    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVC0024 | 36.5    | 23.5    | 0.1    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVC0021 | 29.3    | 20.8    | 0.1    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVC0022 | 45.3    | 23.9    | 0      | 1000      | -10         | FILTERED  |
| 21/05/2018 | WIVC0023 | 37.8    | 22.8    | 0.1    | 1000      | -1          | FILTERED  |
| 21/05/2018 | WIVC0028 | 31.4    | 22.5    | 0.1    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVC0029 | 30.9    | 20.8    | 0.3    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVC0030 | 41.9    | 25.7    | 0      | 1000      | -5          | FILTERED  |
| 21/05/2018 | WIVC MA  | 40.7    | 30.2    | 0.1    | 1000      | -57         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 21/05/2018 | WIVD MB  | 40.2    | 32.5    | 0.1    | 1000      | -55         | FILTERED  |
| 21/05/2018 | WIVD0052 | 35.7    | 29.4    | 0.1    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVD0051 | 33.8    | 25.7    | 0.3    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVD0049 | 22.9    | 19.5    | 0.1    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVD0050 | 44.6    | 25.7    | 0.1    | 1000      | -10         | FILTERED  |
| 21/05/2018 | WIVD0045 | 28.9    | 21.3    | 0.3    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVD0043 | 41.9    | 56.1    | 0.1    | 1000      | -10         | FILTERED  |
| 21/05/2018 | WIVD0042 | 36.4    | 25.9    | 0      | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVD0044 | 25.1    | 20.6    | 0.3    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVD0035 | 36.9    | 22.9    | 0.1    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVD0036 | 43.8    | 25.6    | 0.2    | 1000      | -15         | FILTERED  |
| 21/05/2018 | WIVD0037 | 39.7    | 22.8    | 0.3    | 1000      | -1          | FILTERED  |

| Date       | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|----------|---------|---------|--------|-----------|-------------|-----------|
| 21/05/2018 | WIV0038  | 25.7    | 20.8    | 0.1    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVD MA  | 41.9    | 32.8    | 0.1    | 1000      | -55         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 21/05/2018 | WIVE MB  | 39.4    | 30.2    | 0.1    | 1000      | -54         | FILTERED  |
| 21/05/2018 | WIVE0053 | 41.9    | 30.8    | 0.1    | 1000      | -10         | FILTERED  |
| 21/05/2018 | WIVE0054 | 36      | 25.3    | 0      | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVE0055 | 39.4    | 30.5    | 0.1    | 1000      | -2          | FILTERED  |
| 21/05/2018 | WIVE0056 | 40.1    | 29.3    | 0.1    | 1000      | -10         | FILTERED  |
| 21/05/2018 | WIVE0061 | 35.9    | 25.4    | 0.1    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVE0062 | 43.7    | 26.9    | 0.4    | 1000      | -10         | FILTERED  |
| 21/05/2018 | WIVE0063 | 39.1    | 25.7    | 0      | 1000      | -1          | FILTERED  |
| 21/05/2018 | WIVE0064 | 48.6    | 35.4    | 0.2    | 1000      | -15         | FILTERED  |
| 21/05/2018 | WIVE0069 | 10.3    | 13.1    | 18.9   | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVE MA  | 44.3    | 30.2    | 0      | 1000      | -53         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 21/05/2018 | WIVF MB  | 39.1    | 28.1    | 0.3    | 1000      | -52         | FILTERED  |
| 21/05/2018 | WIVF0072 | 30.2    | 28.9    | 0.1    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVF0071 | 41.3    | 32.6    | 0.1    | 1000      | -10         | FILTERED  |
| 21/05/2018 | WIVF0070 | 36.1    | 26.3    | 0.2    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVF0067 | 40.4    | 32.6    | 0.1    | 1000      | -10         | FILTERED  |
| 21/05/2018 | WIVF0065 | 36.4    | 25.1    | 0      | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVF0063 | 40.3    | 26.8    | 0.2    | 1000      | -5          | FILTERED  |
| 21/05/2018 | WIVF0060 | 40.9    | 32.1    | 0.2    | 1000      | -5          | FILTERED  |
| 21/05/2018 | WIVF0059 | 30.6    | 23.6    | 0.2    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVF0058 | 46.1    | 30.2    | 0.1    | 1000      | -15         | FILTERED  |
| 21/05/2018 | WIVF0057 | 9.3     | 5.9     | 19.5   | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVF MA  | 42.1    | 30.7    | 0.1    | 1000      | -50         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 21/05/2018 | WIV0095  | 55.3    | 36.4    | 0.1    | 1000      | -25         | FILTERED  |
| 21/05/2018 | WIV0097  | 56.1    | 32.4    | 0      | 1000      | -25         | FILTERED  |
| 21/05/2018 | WIV0099  | 32.6    | 22.3    | 0.1    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIV0096  | 30.4    | 24.9    | 0.1    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIV0098  | 57.9    | 39.7    | 0.2    | 1000      | -25         | FILTERED  |
| 21/05/2018 | WIV0100  | 54.1    | 39.1    | 0.1    | 1000      | -25         | FILTERED  |
| 21/05/2018 | WIV00102 | 9.9     | 8.6     | 19.5   | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIV0103  | 53.1    | 36.4    | 0      | 1000      | -25         | FILTERED  |
| 21/05/2018 | WIV0118  | 53.1    | 36.7    | 0      | 1000      | -25         | FILTERED  |
| 21/05/2018 | WIV0117  | 59.7    | 36      | 0      | 1000      | -25         | FILTERED  |
| 21/05/2018 | WIV0017  | 19      | 12.3    | 16.3   | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIV0119  | 53.7    | 36.4    | 0.1    | 1000      | -25         | FILTERED  |
| 21/05/2018 | WIV0091  | 55.1    | 34.2    | 0      | 1000      | -25         | FILTERED  |
| 21/05/2018 | LM5      | 40.3    | 31.2    | 0.1    | 1000      | -15         | FILTERED  |
| 21/05/2018 | WIV0020  | 54.3    | 33.9    | 0.1    | 1000      | -25         | FILTERED  |
| 21/05/2018 | WIV0012  | 55.5    | 39.4    | 0      | 1000      | -25         | FILTERED  |
| 21/05/2018 | WIV0011  | 57.5    | 36.4    | 0.1    | 1000      | -25         | FILTERED  |

| Date       | ID        | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|-----------|---------|---------|--------|-----------|-------------|-----------|
| 21/05/2018 | WIV0092   | 22.6    | 20.1    | 0      | 1000      | 0           | FILTERED  |
| 21/05/2018 | L3        | 40.6    | 26.4    | 0.1    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIV0009   | 16.1    | 10.1    | 19.5   | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIV00125  | 55.3    | 34.1    | 0.1    | 1000      | -25         | FILTERED  |
| 21/05/2018 | WIV0112   | 57.2    | 33.1    | 0      | 1000      | -25         | FILTERED  |
| 21/05/2018 | WIV0111   | 54.1    | 39.4    | 0.1    | 1000      | -25         | FILTERED  |
| 21/05/2018 | WIV0114   | 44.5    | 35.1    | 0.1    | 1000      | -25         | FILTERED  |
| 21/05/2018 | WIV0113   | 36.1    | 23.3    | 0      | 1000      | -2          | FILTERED  |
| 21/05/2018 | WIV0104   | 57.1    | 39.3    | 0      | 1000      | -25         | FILTERED  |
| 21/05/2018 | WIV0105   | 55.4    | 39.4    | 0.1    | 1000      | -25         | FILTERED  |
| 21/05/2018 | WIV0106   | 56.9    | 39.1    | 0      | 1000      | -25         | FILTERED  |
| 21/05/2018 | VL2       | 20.5    | 10.3    | 14.6   | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIV0107   | 33.4    | 23.1    | 0.5    | 1000      | 0           | FILTERED  |
| 21/05/2018 | VLM1      | 40.6    | 20.3    | 0.1    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIV0107   | 54.1    | 35.1    | 0.1    | 1000      | -25         | FILTERED  |
| 21/05/2018 | WIV0109   | 20.6    | 10.9    | 0.1    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIV0110   | 40.6    | 30.8    | 0      | 1000      | -5          | FILTERED  |
| 21/05/2018 | WIV0101   | 56.4    | 39.9    | 0      | 1000      | -25         | FILTERED  |
| 21/05/2018 | RD1       | 53.1    | 36.5    | 0.1    | 1000      | 25          | FILTERED  |
| 21/05/2018 | WIV0102   | 29.1    | 23.7    | 0.2    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIV0103   | 33.5    | 29.4    | 0      | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIV0118   | 56.6    | 39.1    | 0.1    | 1000      | -25         | FILTERED  |
| 21/05/2018 | WIV0116   | 55.1    | 40.9    | 0      | 1000      | -25         | FILTERED  |
| 21/05/2018 | L5        | 46.8    | 31.2    | 0      | 1000      | -10         | FILTERED  |
| 21/05/2018 | L4        | 16.4    | 12.5    | 9.9    | 1000      | 0           | FILTERED  |
| 21/05/2018 | WIVJ0020  | 54.2    | 36.6    | 0.3    | 1000      | -25         | FILTERED  |
| 21/05/2018 | LM5       | 23.5    | 19.9    | 6.5    | 1000      | 0           | FILTERED  |
| 02/06/2018 | WIV GC MB | 43.8    | 33.4    | 0.2    | 1008      | -65         | FILTERED  |
| 02/06/2018 | WIVA MB   | 39.1    | 26.4    | 0.2    | 1008      | -60         | FILTERED  |
| 02/06/2018 | WIVA0027  | 40.2    | 25.6    | 0.1    | 1008      | -5          | FILTERED  |
| 02/06/2018 | WIVA0026  | 21.3    | 20.3    | 10.9   | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVA0025  | 40.3    | 30.2    | 0.1    | 1008      | -5          | FILTERED  |
| 02/06/2018 | WIVA0020  | 39.4    | 26.4    | 0      | 1008      | -5          | FILTERED  |
| 02/06/2018 | WIVA0019  | 36.1    | 23.5    | 0      | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVA0018  | 43.6    | 26.1    | 0      | 1008      | -5          | FILTERED  |
| 02/06/2018 | WIVA0013  | 36.9    | 29.1    | 0      | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVA0012  | 33.3    | 22.6    | 0.2    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVA0011  | 25.3    | 21.5    | 0      | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVA0010  | 29.4    | 25.9    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVA0001  | 19.4    | 12.6    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVA0002  | 40      | 20.1    | 5.9    | 1008      | -5          | FILTERED  |
| 02/06/2018 | WIVA0003  | 10.3    | 6.6     | 19.2   | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVA0004  | 25.4    | 18.1    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVA0005  | 42.1    | 29.1    | 0.1    | 1008      | -60         | FILTERED  |
| 02/06/2018 |           |         |         |        |           |             |           |



| Date       | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|----------|---------|---------|--------|-----------|-------------|-----------|
| 02/06/2018 | WIVB MB  | 37.1    | 23.9    | 0.6    | 1008      | -55         | FILTERED  |
| 02/06/2018 | WIVB0025 | 28.4    | 22.4    | 0.9    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVB0034 | 40.3    | 29.5    | 0.1    | 1008      | -10         | FILTERED  |
| 02/06/2018 | WIVB0033 | 29.5    | 15.3    | 5.3    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVB0032 | 36.4    | 21.5    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVB0039 | 13.1    | 10.3    | 18.9   | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVB0040 | 6.5     | 4.6     | 19.9   | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVB0041 | 38.5    | 23.6    | 0.2    | 1008      | -1          | FILTERED  |
| 02/06/2018 | WIVB0047 | 26.1    | 23.5    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVB0046 | 29.1    | 19.4    | 9.4    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVB0048 | 42.1    | 26.9    | 0.9    | 1008      | -10         | FILTERED  |
| 02/06/2018 | WIVB MA  | 44.5    | 26.4    | 0.1    | 1008      | -55         | FILTERED  |
| 02/06/2018 |          |         |         |        |           |             |           |
| 02/06/2018 | WIVC MB  | 39.9    | 29.5    | 0.1    | 1008      | -53         | FILTERED  |
| 02/06/2018 | WIVC0009 | 29.5    | 22.1    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVC0017 | 38.9    | 25.4    | 0.1    | 1008      | -15         | FILTERED  |
| 02/06/2018 | WIVC0007 | 30.2    | 21.6    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVC0006 | 10.6    | 9.9     | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVC0014 | 36.4    | 25      | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVC0015 | 31.1    | 25.3    | 0.1    | 1008      | -5          | FILTERED  |
| 02/06/2018 | WIVC0016 | 41.6    | 26.4    | 0      | 1008      | -5          | FILTERED  |
| 02/06/2018 | WIVC0024 | 44.3    | 30.1    | 0      | 1008      | -10         | FILTERED  |
| 02/06/2018 | WIVC0021 | 16.4    | 12.5    | 9.3    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVC0022 | 38.1    | 22.6    | 0      | 1008      | -5          | FILTERED  |
| 02/06/2018 | WIVC0023 | 35.4    | 23.6    | 0      | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVC0028 | 29.1    | 22.6    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVC0029 | 15.6    | 12.3    | 16.3   | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVC0030 | 38.4    | 30.6    | 0.1    | 1008      | -5          | FILTERED  |
| 02/06/2018 | WIVC MA  | 41.3    | 30.2    | 0.1    | 1008      | -52         | FILTERED  |
| 02/06/2018 |          |         |         |        |           |             |           |
| 02/06/2018 | WIVD MB  | 40      | 31.6    | 0.3    | 1008      | -52         | FILTERED  |
| 02/06/2018 | WIVD0052 | 40.3    | 30.6    | 0.1    | 1008      | -10         | FILTERED  |
| 02/06/2018 | WIVD0051 | 36.4    | 25.9    | 0.1    | 1008      | -5          | FILTERED  |
| 02/06/2018 | WIVD0049 | 40.6    | 30.1    | 0.1    | 1008      | -5          | FILTERED  |
| 02/06/2018 | WIVD0050 | 37.4    | 20.6    | 0      | 1008      | -5          | FILTERED  |
| 02/06/2018 | WIVD0045 | 23.6    | 19.4    | 0      | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVD0043 | 42.5    | 26.8    | 0      | 1008      | -5          | FILTERED  |
| 02/06/2018 | WIVD0042 | 35.4    | 23.6    | 0      | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVD0044 | 36.1    | 21.4    | 0      | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVD0035 | 30.7    | 20.3    | 0      | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVD0036 | 36.4    | 26.4    | 0      | 1008      | -15         | FILTERED  |
| 02/06/2018 | WIVD0037 | 43.9    | 23.4    | 0.3    | 1008      | -5          | FILTERED  |
| 02/06/2018 | WIV0038  | 40.6    | 25.4    | 0      | 1008      | -5          | FILTERED  |
| 02/06/2018 | WIVD MA  | 42.7    | 26.4    | 0.1    | 1008      | -52         | FILTERED  |
| 02/06/2018 |          |         |         |        |           |             |           |

| Date       | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|----------|---------|---------|--------|-----------|-------------|-----------|
| 02/06/2018 | WIVE MB  | 38.9    | 26.1    | 0.3    | 1008      | -50         | FILTERED  |
| 02/06/2018 | WIVE0053 | 33.4    | 21.4    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVE0054 | 13.1    | 10.9    | 0      | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVE0055 | 40.6    | 25.4    | 0.1    | 1008      | -2          | FILTERED  |
| 02/06/2018 | WIVE0056 | 16.8    | 13.6    | 19.1   | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVE0061 | 33.6    | 21.5    | 0      | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVE0062 | 29.4    | 22.5    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVE0063 | 39.1    | 25.4    | 0.2    | 1008      | -5          | FILTERED  |
| 02/06/2018 | WIVE0064 | 40.3    | 31.5    | 0.2    | 1008      | -15         | FILTERED  |
| 02/06/2018 | WIVE0069 | 10.4    | 9.4     | 19.1   | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVE MA  | 41.3    | 26.4    | 0      | 1008      | -50         | FILTERED  |
| 02/06/2018 |          |         |         |        |           |             |           |
| 02/06/2018 | WIVF MB  | 39.9    | 34.2    | 0      | 1008      | -50         | FILTERED  |
| 02/06/2018 | WIVF0072 | 33.4    | 29.1    | 0      | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVF0071 | 42.1    | 36.4    | 0      | 1008      | -10         | FILTERED  |
| 02/06/2018 | WIVF0070 | 26.1    | 21.1    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVF0067 | 40.3    | 26.1    | 0      | 1008      | -10         | FILTERED  |
| 02/06/2018 | WIVF0065 | 34.1    | 21.3    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVF0063 | 40.1    | 23.1    | 0.1    | 1008      | -5          | FILTERED  |
| 02/06/2018 | WIVF0060 | 31.2    | 22.1    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVF0059 | 35.4    | 25.1    | 0      | 1008      | -2          | FILTERED  |
| 02/06/2018 | WIVF0058 | 39.9    | 26.1    | 0.1    | 1008      | -15         | FILTERED  |
| 02/06/2018 | WIVF0057 | 10.3    | 8.3     | 18.3   | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVF MA  | 41.6    | 34.1    | 0.1    | 1008      | -50         | FILTERED  |
| 02/06/2018 |          |         |         |        |           |             |           |
| 02/06/2018 | WIV0095  | 55.6    | 37.1    | 0.1    | 1008      | -25         | FILTERED  |
| 02/06/2018 | WIV0097  | 54.1    | 36.1    | 0.1    | 1008      | -25         | FILTERED  |
| 02/06/2018 | WIV0099  | 20.5    | 15.3    | 0.2    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0096  | 30.4    | 19.8    | 0.4    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0098  | 55.1    | 39.4    | 0      | 1008      | -25         | FILTERED  |
| 02/06/2018 | WIV0100  | 56.1    | 36.4    | 0.1    | 1008      | -25         | FILTERED  |
| 02/06/2018 | WIV00102 | 10.5    | 8.9     | 18.9   | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0103  | 56.1    | 34.6    | 0.1    | 1008      | -25         | FILTERED  |
| 02/06/2018 | WIV0118  | 55.7    | 40.1    | 0.1    | 1008      | -25         | FILTERED  |
| 02/06/2018 | WIV0117  | 53.1    | 39.7    | 0.1    | 1008      | -25         | FILTERED  |
| 02/06/2018 | WIV0017  | 5.5     | 4.6     | 18.4   | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0119  | 56.1    | 37.3    | 0.2    | 1008      | -25         | FILTERED  |
| 02/06/2018 | WIV0091  | 56.1    | 41.3    | 0.2    | 1008      | -25         | FILTERED  |
| 02/06/2018 | LM5      | 36.4    | 23.4    | 6.3    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0020  | 53.4    | 39.1    | 0.1    | 1008      | -25         | FILTERED  |
| 02/06/2018 | WIV0012  | 53.4    | 39      | 0.1    | 1008      | -25         | FILTERED  |
| 02/06/2018 | WIV0011  | 53.4    | 39.4    | 0.1    | 1008      | -25         | FILTERED  |
| 02/06/2018 | WIV0092  | 39.4    | 31.2    | 0.2    | 1008      | 0           | FILTERED  |
| 02/06/2018 | L3       | 40.3    | 32.1    | 0      | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0009  | 6.4     | 2.9     | 19.8   | 1008      | 0           | FILTERED  |

| Date       | ID        | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|-----------|---------|---------|--------|-----------|-------------|-----------|
| 02/06/2018 | WIV00125  | 59.3    | 36.4    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0112   | 55.8    | 40.6    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0111   | 53.1    | 40.9    | 0.2    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0114   | 55.9    | 39.9    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0113   | 20      | 19.5    | 0.3    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0104   | 54.6    | 40.6    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0105   | 59.1    | 40.3    | 0.2    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0106   | 55.7    | 40.1    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | VL2       | 15.2    | 1.3     | 19.5   | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0107   | 34.9    | 23.6    | 0.2    | 1008      | 0           | FILTERED  |
| 02/06/2018 | VLM1      | 26.1    | 19.5    | 0.6    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0107   | 53.8    | 29.4    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0109   | 46.9    | 37.1    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0110   | 36.9    | 29.6    | 0      | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0101   | 49.3    | 32.4    | 0      | 1008      | 0           | FILTERED  |
| 02/06/2018 | RD1       | 54.6    | 30.5    | 0      | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0102   | 30.5    | 32.7    | 0      | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0103   | 30.4    | 21.5    | 0      | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0118   | 57.3    | 40.1    | 0.3    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIV0116   | 59.1    | 40.4    | 0      | 1008      | 0           | FILTERED  |
| 02/06/2018 | L5        | 40.9    | 30.2    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | L4        | 50.6    | 30.2    | 0.3    | 1008      | 0           | FILTERED  |
| 02/06/2018 | WIVJ0020  | 54.9    | 30.1    | 0.1    | 1008      | 0           | FILTERED  |
| 02/06/2018 | LM5       | 29.4    | 21.9    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV GC MB | 43.8    | 33.4    | 0.2    | 1008      | -65         | FILTERED  |
| 10/06/2018 | WIVA MB   | 39.1    | 26.4    | 0.2    | 1008      | -60         | FILTERED  |
| 10/06/2018 | WIVA0027  | 40.2    | 25.6    | 0.1    | 1008      | -5          | FILTERED  |
| 10/06/2018 | WIVA0026  | 21.3    | 20.3    | 10.9   | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVA0025  | 40.3    | 30.2    | 0.1    | 1008      | -5          | FILTERED  |
| 10/06/2018 | WIVA0020  | 39.4    | 26.4    | 0      | 1008      | -5          | FILTERED  |
| 10/06/2018 | WIVA0019  | 36.1    | 23.5    | 0      | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVA0018  | 43.6    | 26.1    | 0      | 1008      | -5          | FILTERED  |
| 10/06/2018 | WIVA0013  | 36.9    | 29.1    | 0      | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVA0012  | 33.3    | 22.6    | 0.2    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVA0011  | 25.3    | 21.5    | 0      | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVA0010  | 29.4    | 25.9    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVA0001  | 19.4    | 12.6    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVA0002  | 40      | 20.1    | 5.9    | 1008      | -5          | FILTERED  |
| 10/06/2018 | WIVA0003  | 10.3    | 6.6     | 19.2   | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVA0004  | 25.4    | 18.1    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVA0005  | 42.1    | 29.1    | 0.1    | 1008      | -60         | FILTERED  |
|            |           |         |         |        |           |             |           |
| 10/06/2018 | WIVB MB   | 37.1    | 23.9    | 0.6    | 1008      | -55         | FILTERED  |
| 10/06/2018 | WIVB0025  | 28.4    | 22.4    | 0.9    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVB0034  | 40.3    | 29.5    | 0.1    | 1008      | -10         | FILTERED  |

| Date       | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|----------|---------|---------|--------|-----------|-------------|-----------|
| 10/06/2018 | WIVB0033 | 29.5    | 15.3    | 5.3    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVB0032 | 36.4    | 21.5    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVB0039 | 13.1    | 10.3    | 18.9   | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVB0040 | 6.5     | 4.6     | 19.9   | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVB0041 | 38.5    | 23.6    | 0.2    | 1008      | -1          | FILTERED  |
| 10/06/2018 | WIVB0047 | 26.1    | 23.5    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVB0046 | 29.1    | 19.4    | 9.4    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVB0048 | 42.1    | 26.9    | 0.9    | 1008      | -10         | FILTERED  |
| 10/06/2018 | WIVB MA  | 44.5    | 26.4    | 0.1    | 1008      | -55         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 10/06/2018 | WIVC MB  | 39.9    | 29.5    | 0.1    | 1008      | -53         | FILTERED  |
| 10/06/2018 | WIVC0009 | 29.5    | 22.1    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVC0017 | 38.9    | 25.4    | 0.1    | 1008      | -15         | FILTERED  |
| 10/06/2018 | WIVC0007 | 30.2    | 21.6    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVC0006 | 10.6    | 9.9     | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVC0014 | 36.4    | 25      | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVC0015 | 31.1    | 25.3    | 0.1    | 1008      | -5          | FILTERED  |
| 10/06/2018 | WIVC0016 | 41.6    | 26.4    | 0      | 1008      | -5          | FILTERED  |
| 10/06/2018 | WIVC0024 | 44.3    | 30.1    | 0      | 1008      | -10         | FILTERED  |
| 10/06/2018 | WIVC0021 | 16.4    | 12.5    | 9.3    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVC0022 | 38.1    | 22.6    | 0      | 1008      | -5          | FILTERED  |
| 10/06/2018 | WIVC0023 | 35.4    | 23.6    | 0      | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVC0028 | 29.1    | 22.6    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVC0029 | 15.6    | 12.3    | 16.3   | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVC0030 | 38.4    | 30.6    | 0.1    | 1008      | -5          | FILTERED  |
| 10/06/2018 | WIVC MA  | 41.3    | 30.2    | 0.1    | 1008      | -52         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 10/06/2018 | WIVD MB  | 40      | 31.6    | 0.3    | 1008      | -52         | FILTERED  |
| 10/06/2018 | WIVD0052 | 40.3    | 30.6    | 0.1    | 1008      | -10         | FILTERED  |
| 10/06/2018 | WIVD0051 | 36.4    | 25.9    | 0.1    | 1008      | -5          | FILTERED  |
| 10/06/2018 | WIVD0049 | 40.6    | 30.1    | 0.1    | 1008      | -5          | FILTERED  |
| 10/06/2018 | WIVD0050 | 37.4    | 20.6    | 0      | 1008      | -5          | FILTERED  |
| 10/06/2018 | WIVD0045 | 23.6    | 19.4    | 0      | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVD0043 | 42.5    | 26.8    | 0      | 1008      | -5          | FILTERED  |
| 10/06/2018 | WIVD0042 | 35.4    | 23.6    | 0      | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVD0044 | 36.1    | 21.4    | 0      | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVD0035 | 30.7    | 20.3    | 0      | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVD0036 | 36.4    | 26.4    | 0      | 1008      | -15         | FILTERED  |
| 10/06/2018 | WIVD0037 | 43.9    | 23.4    | 0.3    | 1008      | -5          | FILTERED  |
| 10/06/2018 | WIV0038  | 40.6    | 25.4    | 0      | 1008      | -5          | FILTERED  |
| 10/06/2018 | WIVD MA  | 42.7    | 26.4    | 0.1    | 1008      | -52         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 10/06/2018 | WIVE MB  | 38.9    | 26.1    | 0.3    | 1008      | -50         | FILTERED  |
| 10/06/2018 | WIVE0053 | 33.4    | 21.4    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVE0054 | 13.1    | 10.9    | 0      | 1008      | 0           | FILTERED  |

| Date       | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|----------|---------|---------|--------|-----------|-------------|-----------|
| 10/06/2018 | WIVE0055 | 40.6    | 25.4    | 0.1    | 1008      | -2          | FILTERED  |
| 10/06/2018 | WIVE0056 | 16.8    | 13.6    | 19.1   | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVE0061 | 33.6    | 21.5    | 0      | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVE0062 | 29.4    | 22.5    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVE0063 | 39.1    | 25.4    | 0.2    | 1008      | -5          | FILTERED  |
| 10/06/2018 | WIVE0064 | 40.3    | 31.5    | 0.2    | 1008      | -15         | FILTERED  |
| 10/06/2018 | WIVE0069 | 10.4    | 9.4     | 19.1   | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVE MA  | 41.3    | 26.4    | 0      | 1008      | -50         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 10/06/2018 | WIVF MB  | 39.9    | 34.2    | 0      | 1008      | -50         | FILTERED  |
| 10/06/2018 | WIVF0072 | 33.4    | 29.1    | 0      | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVF0071 | 42.1    | 36.4    | 0      | 1008      | -10         | FILTERED  |
| 10/06/2018 | WIVF0070 | 26.1    | 21.1    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVF0067 | 40.3    | 26.1    | 0      | 1008      | -10         | FILTERED  |
| 10/06/2018 | WIVF0065 | 34.1    | 21.3    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVF0063 | 40.1    | 23.1    | 0.1    | 1008      | -5          | FILTERED  |
| 10/06/2018 | WIVF0060 | 31.2    | 22.1    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVF0059 | 35.4    | 25.1    | 0      | 1008      | -2          | FILTERED  |
| 10/06/2018 | WIVF0058 | 39.9    | 26.1    | 0.1    | 1008      | -15         | FILTERED  |
| 10/06/2018 | WIVF0057 | 10.3    | 8.3     | 18.3   | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVF MA  | 41.6    | 34.1    | 0.1    | 1008      | -50         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 10/06/2018 | WIV0095  | 55.6    | 37.1    | 0.1    | 1008      | -25         | FILTERED  |
| 10/06/2018 | WIV0097  | 54.1    | 36.1    | 0.1    | 1008      | -25         | FILTERED  |
| 10/06/2018 | WIV0099  | 20.5    | 15.3    | 0.2    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0096  | 30.4    | 19.8    | 0.4    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0098  | 55.1    | 39.4    | 0      | 1008      | -25         | FILTERED  |
| 10/06/2018 | WIV0100  | 56.1    | 36.4    | 0.1    | 1008      | -25         | FILTERED  |
| 10/06/2018 | WIV00102 | 10.5    | 8.9     | 18.9   | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0103  | 56.1    | 34.6    | 0.1    | 1008      | -25         | FILTERED  |
| 10/06/2018 | WIV0118  | 55.7    | 40.1    | 0.1    | 1008      | -25         | FILTERED  |
| 10/06/2018 | WIV0117  | 53.1    | 39.7    | 0.1    | 1008      | -25         | FILTERED  |
| 10/06/2018 | WIV0017  | 5.5     | 4.6     | 18.4   | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0119  | 56.1    | 37.3    | 0.2    | 1008      | -25         | FILTERED  |
| 10/06/2018 | WIV0091  | 56.1    | 41.3    | 0.2    | 1008      | -25         | FILTERED  |
| 10/06/2018 | LM5      | 36.4    | 23.4    | 6.3    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0020  | 53.4    | 39.1    | 0.1    | 1008      | -25         | FILTERED  |
| 10/06/2018 | WIV0012  | 53.4    | 39      | 0.1    | 1008      | -25         | FILTERED  |
| 10/06/2018 | WIV0011  | 53.4    | 39.4    | 0.1    | 1008      | -25         | FILTERED  |
| 10/06/2018 | WIV0092  | 39.4    | 31.2    | 0.2    | 1008      | 0           | FILTERED  |
| 10/06/2018 | L3       | 40.3    | 32.1    | 0      | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0009  | 6.4     | 2.9     | 19.8   | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV00125 | 59.3    | 36.4    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0112  | 55.8    | 40.6    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0111  | 53.1    | 40.9    | 0.2    | 1008      | 0           | FILTERED  |



| Date       | ID        | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|-----------|---------|---------|--------|-----------|-------------|-----------|
| 10/06/2018 | WIV0114   | 55.9    | 39.9    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0113   | 20      | 19.5    | 0.3    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0104   | 54.6    | 40.6    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0105   | 59.1    | 40.3    | 0.2    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0106   | 55.7    | 40.1    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | VL2       | 15.2    | 1.3     | 19.5   | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0107   | 34.9    | 23.6    | 0.2    | 1008      | 0           | FILTERED  |
| 10/06/2018 | VLM1      | 26.1    | 19.5    | 0.6    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0107   | 53.8    | 29.4    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0109   | 46.9    | 37.1    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0110   | 36.9    | 29.6    | 0      | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0101   | 49.3    | 32.4    | 0      | 1008      | 0           | FILTERED  |
| 10/06/2018 | RD1       | 54.6    | 30.5    | 0      | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0102   | 30.5    | 32.7    | 0      | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0103   | 30.4    | 21.5    | 0      | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0118   | 57.3    | 40.1    | 0.3    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIV0116   | 59.1    | 40.4    | 0      | 1008      | 0           | FILTERED  |
| 10/06/2018 | L5        | 40.9    | 30.2    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | L4        | 50.6    | 30.2    | 0.3    | 1008      | 0           | FILTERED  |
| 10/06/2018 | WIVJ0020  | 54.9    | 30.1    | 0.1    | 1008      | 0           | FILTERED  |
| 10/06/2018 | LM5       | 29.4    | 21.9    | 0.1    | 1008      | 0           | FILTERED  |
| 15/06/2018 | WIV GC MB |         | 33.2    | 0.6    | 999       | -55         | FILTERED  |
| 15/06/2018 | WIVA MB   | 32.1    | 23.9    | 0.2    | 999       | -50         | FILTERED  |
| 15/06/2018 | WIVA0027  | 13.7    | 12.1    | 3.5    | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVA0026  | 22.9    | 16.7    | 6.8    | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVA0025  | 40      | 29.9    | 0.5    | 999       | -15         | FILTERED  |
| 15/06/2018 | WIVA0020  | 48.3    | 28.7    | 0.2    | 999       | -20         | FILTERED  |
| 15/06/2018 | WIVA0019  | 36.3    | 23.6    | 0.1    | 999       | -15         | FILTERED  |
| 15/06/2018 | WIVA0018  | 44.1    | 25.7    | 0.1    | 999       | -9          | FILTERED  |
| 15/06/2018 | WIVA0013  | 53.8    | 30.4    | 0.1    | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVA0012  | 33.1    | 21.4    | 0.1    | 999       | -2          | FILTERED  |
| 15/06/2018 | WIVA0011  | 29.7    | 21.5    | 0.2    | 999       | -1          | FILTERED  |
| 15/06/2018 | WIVA0010  | 25.2    | 24.9    | 0.4    | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVA0001  | 17      | 16      | 0      | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVA0002  | 35      | 19.1    | 4.5    | 999       | -1          | FILTERED  |
| 15/06/2018 | WIVA0003  | 0.2     | 4.2     | 18     | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVA0004  | 17.4    | 16.3    | 0.4    | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVA0005  | 31.5    | 24.5    | 0.3    | 999       | -10         | FILTERED  |
|            |           |         |         |        |           |             |           |
| 15/06/2018 | WIVB MB   | 31.8    | 19.6    | 1.1    | 999       | -48         | FILTERED  |
| 15/06/2018 | WIVB0025  | 25.9    | 20.6    | 1.1    | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVB0034  | 39      | 23.9    | 0.3    | 999       | -5          | FILTERED  |
| 15/06/2018 | WIVB0033  | 32.6    | 14.2    | 5.4    | 999       | -1          | FILTERED  |
| 15/06/2018 | WIVB0032  | 29.2    | 19.9    | 0.1    | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVB0039  | 0.7     | 8.1     | 18.5   | 999       | 0           | FILTERED  |

| Date       | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|----------|---------|---------|--------|-----------|-------------|-----------|
| 15/06/2018 | WIVB0040 | 0       | 3       | 20     | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVB0041 | 34      | 22.6    | 0.1    | 999       | -2          | FILTERED  |
| 15/06/2018 | WIVB0047 | 26.2    | 21.6    | 0.1    | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVB0046 | 20.6    | 7       | 12.7   | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVB0048 | 43      | 16.3    | 3.8    | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVB MA  | 41.7    | 24      | 0.1    | 999       | -47         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 15/06/2018 | WIVC MB  | 48.8    | 25.4    | 0.3    | 999       | -47         | FILTERED  |
| 15/06/2018 | WIVC0009 | 32.8    | 25      | 0.1    | 999       | -1          | FILTERED  |
| 15/06/2018 | WIVC0017 | 50.3    | 29.1    | 0.1    | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVC0007 | 51.3    | 27.9    | 0.1    | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVC0006 | 11.4    | 21.4    | 0.1    | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVC0014 | 29.6    | 23.5    | 0      | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVC0015 | 46.7    | 26.9    | 0      | 999       | -5          | FILTERED  |
| 15/06/2018 | WIVC0016 | 43.3    | 26.7    | 0      | 999       | -5          | FILTERED  |
| 15/06/2018 | WIVC0024 | 49.2    | 29.5    | 0.1    | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVC0021 | 36.8    | 23.9    | 1.9    | 999       | -1          | FILTERED  |
| 15/06/2018 | WIVC0022 | 49.1    | 26.2    | 0.1    | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVC0023 | 54.5    | 28      | 0      | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVC0028 | 64.5    | 27.2    | 0      | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVC0029 | 33.5    | 19.3    | 3.4    | 999       | -1          | FILTERED  |
| 15/06/2018 | WIVC0030 | 61.5    | 28.1    | 0.1    | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVC MA  | 49.7    | 26.8    | 0.3    | 999       | -46         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 15/06/2018 | WIVD MB  | 38.1    | 26.9    | 5      | 999       | -46         | FILTERED  |
| 15/06/2018 | WIVD0052 | 54.9    | 20.6    | 0      | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVD0051 | 48.1    | 22.2    | 0.1    | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVD0049 | 33.9    | 18.6    | 3.6    | 999       | -2          | FILTERED  |
| 15/06/2018 | WIVD0050 | 62.2    | 17.2    | 0.2    | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVD0045 | 67.4    | 25.3    | 0.2    | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVD0043 | 39.4    | 19.1    | 0.1    | 999       | -2          | FILTERED  |
| 15/06/2018 | WIVD0042 | 39.1    | 20.1    | 0      | 999       | -5          | FILTERED  |
| 15/06/2018 | WIVD0044 | 30.7    | 18.8    | 0.1    | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVD0035 | 30.7    | 19.9    | 0.1    | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVD0036 | 60      | 20      | 0      | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVD0037 | 42.4    | 18.8    | 0.1    | 999       | -5          | FILTERED  |
| 15/06/2018 | WIV0038  | 57.2    | 26      | 0.1    | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVD MA  | 54.9    | 25      | 0.1    | 999       | -45         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 15/06/2018 | WIVE MB  | 37.4    | 25.3    | 2.4    | 999       | -46         | FILTERED  |
| 15/06/2018 | WIVE0053 | 35.5    | 21.5    | 4.1    | 999       | -5          | FILTERED  |
| 15/06/2018 | WIVE0054 | 18.9    | 21.5    | 0.1    | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVE0055 | 68.2    | 26      | 0.5    | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVE0056 | 8.8     | 12.2    | 10.7   | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVE0061 | 28.9    | 19.8    | 0.1    | 999       | 0           | FILTERED  |

| Date       | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|----------|---------|---------|--------|-----------|-------------|-----------|
| 15/06/2018 | WIVE0062 | 29.8    | 21.5    | 0.1    | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVE0063 | 32.1    | 21.8    | 0.4    | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVE0064 | 41.5    | 29.1    | 0.1    | 999       | -15         | FILTERED  |
| 15/06/2018 | WIVE0069 | 0       | 7.9     | 19.1   | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVE MA  | 41.1    | 21.3    | 2.3    | 999       | -46         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 15/06/2018 | WIVF MB  | 50.7    | 34.8    | 0.5    | 999       | -45         | FILTERED  |
| 15/06/2018 | WIVF0072 | 49.6    | 37.8    | 0.1    | 999       | -5          | FILTERED  |
| 15/06/2018 | WIVF0071 | 47.4    | 36.5    | 0.2    | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVF0070 | 53      | 40      | 0.8    | 999       | -15         | FILTERED  |
| 15/06/2018 | WIVF0067 | 46.1    | 25.6    | 0.1    | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVF0065 | 34.4    | 25.1    | 0.7    | 999       | -2          | FILTERED  |
| 15/06/2018 | WIVF0063 | 39.6    | 28.2    | 0.2    | 999       | -5          | FILTERED  |
| 15/06/2018 | WIVF0060 | 59.8    | 19.1    | 1.5    | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVF0059 | 39.9    | 26      | 0      | 999       | -4          | FILTERED  |
| 15/06/2018 | WIVF0058 | 57.1    | 22.3    | 0.3    | 999       | -12         | FILTERED  |
| 15/06/2018 | WIVF0057 | 1       | 5.3     | 19.4   | 999       | 0           | FILTERED  |
| 15/06/2018 | WIVF MA  | 47.5    | 35.8    | 0.4    | 999       | -44         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 15/06/2018 | WIV0095  | 63      | 36.9    | 0.1    | 999       | -20         | FILTERED  |
| 15/06/2018 | WIV0097  | 50      | 30.5    | 0.1    | 999       | -20         | FILTERED  |
| 15/06/2018 | WIV0099  | 12.5    | 0.3     | 0.1    | 999       | 0           | FILTERED  |
| 15/06/2018 | WIV0096  | 22.5    | 12.9    | 0      | 999       | 0           | FILTERED  |
| 15/06/2018 | WIV0098  | 58.7    | 33.7    | 0      | 999       | -20         | FILTERED  |
| 15/06/2018 | WIV0100  | 58.2    | 33.7    | 0.1    | 999       | -20         | FILTERED  |
| 15/06/2018 | WIV00102 | 5       | 0.3     | 20.7   | 999       | 0           | FILTERED  |
| 15/06/2018 | WIV0103  | 59.2    | 34.9    | 0.1    | 999       | -20         | FILTERED  |
| 15/06/2018 | WIV0118  | 59.2    | 40.1    | 0.1    | 999       | -20         | FILTERED  |
| 15/06/2018 | WIV0117  | 58.7    | 40.6    | 0.1    | 999       | -20         | FILTERED  |
| 15/06/2018 | WIV0017  | 8       | 4       | 20.8   | 999       | 0           | FILTERED  |
| 15/06/2018 | WIV0119  | 59      | 40.7    | 0.1    | 999       | -20         | FILTERED  |
| 15/06/2018 | WIV0091  | 59.5    | 40.7    | 0.1    | 999       | -20         | FILTERED  |
| 15/06/2018 | LM5      | 32.3    | 27.4    | 3.5    | 999       | -20         | FILTERED  |
| 15/06/2018 | WIV0020  | 60.1    | 39.8    | 0.1    | 999       | -20         | FILTERED  |
| 15/06/2018 | WIV0012  | 59.6    | 40.2    | 0.1    | 999       | -20         | FILTERED  |
| 15/06/2018 | WIV0011  | 59.4    | 40.2    | 0.1    | 999       | -20         | FILTERED  |
| 15/06/2018 | WIV0092  | 10.6    | 5.5     | 0      | 999       | 0           | FILTERED  |
| 15/06/2018 | L3       | 0.9     | 0.1     | 0      | 999       | 0           | FILTERED  |
| 15/06/2018 | WIV0009  | 4.7     | 2.3     | 19.4   | 999       | 0           | FILTERED  |
| 15/06/2018 | WIV00125 | 55.8    | 25.2    | 0.1    | 999       | -20         | FILTERED  |
| 15/06/2018 | WIV0112  | 57.3    | 41.1    | 0.1    | 999       | -20         | FILTERED  |
| 15/06/2018 | WIV0111  | 59.3    | 41.2    | 0.1    | 999       | -20         | FILTERED  |
| 15/06/2018 | WIV0114  | 52.7    | 40.2    | 0.2    | 999       | -20         | FILTERED  |
| 15/06/2018 | WIV0113  | 21.6    | 23.3    | 0.1    | 999       | 0           | FILTERED  |
| 15/06/2018 | WIV0104  | 57.4    | 43.6    | 0.1    | 999       | -20         | FILTERED  |

| Date       | ID        | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|-----------|---------|---------|--------|-----------|-------------|-----------|
| 15/06/2018 | WIV0105   | 57.8    | 40.4    | 0.2    | 999       | -20         | FILTERED  |
| 15/06/2018 | WIV0106   | 52.1    | 39.4    | 0.1    | 999       | -20         | FILTERED  |
| 15/06/2018 | VL2       | 12.4    | 5.9     | 19.3   | 999       | 0           | FILTERED  |
| 15/06/2018 | WIV0107   | 34.9    | 23.6    | 0.2    | 999       | 0           | FILTERED  |
| 15/06/2018 | VLM1      | 28.5    | 17.2    | 0.7    | 999       | 0           | FILTERED  |
| 15/06/2018 | WIV0107   | 50.3    | 28.4    | 0.2    | 999       | -10         | FILTERED  |
| 15/06/2018 | WIV0109   | 40.6    | 37.3    | 0      | 999       | -5          | FILTERED  |
| 15/06/2018 | WIV0110   | 34.7    | 29.4    | 0      | 999       | -1          | FILTERED  |
| 15/06/2018 | WIV0101   | 41.5    | 32.4    | 0      | 999       | -5          | FILTERED  |
| 15/06/2018 | RD1       | 50.1    | 29.9    | 0      | 999       | -5          | FILTERED  |
| 15/06/2018 | WIV0102   | 28.4    | 30.7    | 0      | 999       | 0           | FILTERED  |
| 15/06/2018 | WIV0103   | 27.6    | 21.9    | 0.1    | 999       | 0           | FILTERED  |
| 15/06/2018 | WIV0118   | 58.8    | 38.4    | 0.3    | 999       | -20         | FILTERED  |
| 15/06/2018 | WIV0116   | 55.4    | 40.2    | 0.1    | 999       | -20         | FILTERED  |
| 15/06/2018 | L5        | 37.4    | 28.3    | 0.2    | 999       | 0           | FILTERED  |
| 15/06/2018 | L4        | 47.7    | 26.3    | 0.3    | 999       | -10         | FILTERED  |
| 15/06/2018 | WIVJ0020  | 55.3    | 29.9    | 0.2    | 999       | -20         | FILTERED  |
| 15/06/2018 | LM5       | 38.6    | 23.9    | 5.3    | 999       | -5          | FILTERED  |
| 23/06/2018 | WIV GC MB | 42.1    | 30.7    | 0.1    | 1008      | -60         | FILTERED  |
| 23/06/2018 | WIVA MB   | 35.1    | 28.1    | 0.2    | 1008      | -55         | FILTERED  |
| 23/06/2018 | WIVA0027  | 12.8    | 10.8    | 8      | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVA0026  | 21.3    | 20.4    | 10.9   | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVA0025  | 38.9    | 30      | 0.3    | 1008      | -5          | FILTERED  |
| 23/06/2018 | WIVA0020  | 42      | 27.4    | 0.1    | 1008      | -10         | FILTERED  |
| 23/06/2018 | WIVA0019  | 34.5    | 22.9    | 0.2    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVA0018  | 42.1    | 28.4    | 0.1    | 1008      | -5          | FILTERED  |
| 23/06/2018 | WIVA0013  | 40.5    | 28.4    | 0.1    | 1008      | -5          | FILTERED  |
| 23/06/2018 | WIVA0012  | 29.6    | 21.3    | 0.2    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVA0011  | 29.7    | 23.7    | 0.2    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVA0010  | 31.7    | 21      | 0.2    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVA0001  | 30.6    | 17.9    | 1      | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVA0002  | 30.2    | 21      | 8.6    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVA0003  | 10.7    | 9.8     | 18.8   | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVA0004  | 30.1    | 19.4    | 0.1    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVA0005  | 40.4    | 29.9    | 0.1    | 1008      | -55         | FILTERED  |
|            |           |         |         |        |           |             |           |
| 23/06/2018 | WIVB MB   | 39.7    | 25.4    | 0.7    | 1008      | -54         | FILTERED  |
| 23/06/2018 | WIVB0025  | 22.8    | 20.5    | 1      | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVB0034  | 41.6    | 25.6    | 0.2    | 1008      | -5          | FILTERED  |
| 23/06/2018 | WIVB0033  | 33.1    | 20.7    | 2      | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVB0032  | 37.8    | 21      | 0.2    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVB0039  | 4.8     | 7.4     | 19.3   | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVB0040  | 9.2     | 4.3     | 19.4   | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVB0041  | 39      | 24.8    | 0.1    | 1008      | -2          | FILTERED  |
| 23/06/2018 | WIVB0047  | 30.8    | 22      | 0.2    | 1008      | 0           | FILTERED  |

| Date       | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|----------|---------|---------|--------|-----------|-------------|-----------|
| 23/06/2018 | WIVB0046 | 19.8    | 12.1    | 17.9   | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVB0048 | 41.8    | 20.1    | 0.6    | 1008      | -10         | FILTERED  |
| 23/06/2018 | WIVB MA  | 40.9    | 27.6    | 0.1    | 1008      | -54         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 23/06/2018 | WIVC MB  | 40.7    | 26.6    | 0.1    | 1008      | -53         | FILTERED  |
| 23/06/2018 | WIVC0009 | 31.1    | 22.6    | 0.1    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVC0017 | 40.3    | 27.8    | 0.3    | 1008      | -5          | FILTERED  |
| 23/06/2018 | WIVC0007 | 41.8    | 25      | 0.1    | 1008      | -5          | FILTERED  |
| 23/06/2018 | WIVC0006 | 10.5    | 25.8    | 0.1    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVC0014 | 33.3    | 21.7    | 0.1    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVC0015 | 40      | 27.4    | 0.1    | 1008      | -5          | FILTERED  |
| 23/06/2018 | WIVC0016 | 29.6    | 23.1    | 0.3    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVC0024 | 41.9    | 28.2    | 0      | 1008      | -5          | FILTERED  |
| 23/06/2018 | WIVC0021 | 36.8    | 26      | 0.5    | 1008      | -1          | FILTERED  |
| 23/06/2018 | WIVC0022 | 44.7    | 25      | 0.1    | 1008      | -5          | FILTERED  |
| 23/06/2018 | WIVC0023 | 49.8    | 24.3    | 0.1    | 1008      | -10         | FILTERED  |
| 23/06/2018 | WIVC0028 | 43.4    | 28      | 0.1    | 1008      | -9          | FILTERED  |
| 23/06/2018 | WIVC0029 | 32.6    | 22.5    | 2      | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVC0030 | 46.8    | 23.8    | 0      | 1008      | -10         | FILTERED  |
| 23/06/2018 | WIVC MA  | 41.9    | 28.8    | 0.3    | 1008      | -53         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 23/06/2018 | WIVD MB  | 39.7    | 27      | 0.4    | 1008      | -51         | FILTERED  |
| 23/06/2018 | WIVD0052 | 45.7    | 23.7    | 0.2    | 1008      | -10         | FILTERED  |
| 23/06/2018 | WIVD0051 | 40.1    | 24.2    | 0.1    | 1008      | -10         | FILTERED  |
| 23/06/2018 | WIVD0049 | 33.6    | 23.2    | 3      | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVD0050 | 43.8    | 24.4    | 0.2    | 1008      | -5          | FILTERED  |
| 23/06/2018 | WIVD0045 | 29.6    | 24      | 0.2    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVD0043 | 42.6    | 21.1    | 0      | 1008      | -5          | FILTERED  |
| 23/06/2018 | WIVD0042 | 37.8    | 23.6    | 0.1    | 1008      | -1          | FILTERED  |
| 23/06/2018 | WIVD0044 | 22.7    | 18.7    | 0.1    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVD0035 | 37.9    | 21.6    | 0.1    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVD0036 | 41.7    | 24.9    | 0.2    | 1008      | -4          | FILTERED  |
| 23/06/2018 | WIVD0037 | 40.6    | 21.8    | 0      | 1008      | -7          | FILTERED  |
| 23/06/2018 | WIV0038  | 45.5    | 23.7    | 0.3    | 1008      | -9          | FILTERED  |
| 23/06/2018 | WIVD MA  | 42.5    | 28.1    | 0.1    | 1008      | -51         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 23/06/2018 | WIVE MB  | 40.1    | 28.6    | 0.8    | 1008      | -50         | FILTERED  |
| 23/06/2018 | WIVE0053 | 35.7    | 23      | 3      | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVE0054 | 21.7    | 20.7    | 0.4    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVE0055 | 41.9    | 25.1    | 0.2    | 1008      | -5          | FILTERED  |
| 23/06/2018 | WIVE0056 | 30.6    | 20.7    | 10.7   | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVE0061 | 33.1    | 20.6    | 0.2    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVE0062 | 34.7    | 20.2    | 0.3    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVE0063 | 28.1    | 21.7    | 0.4    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVE0064 | 43.6    | 32      | 0.1    | 1008      | -15         | FILTERED  |



| Date       | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|----------|---------|---------|--------|-----------|-------------|-----------|
| 23/06/2018 | WIVE0069 | 10.9    | 9.1     | 19.3   | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVE MA  | 41.7    | 23.7    | 0.1    | 1008      | -50         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 23/06/2018 | WIVF MB  | 39.1    | 31.6    | 0.1    | 1008      | -49         | FILTERED  |
| 23/06/2018 | WIVF0072 | 40.1    | 33.3    | 0.2    | 1008      | -5          | FILTERED  |
| 23/06/2018 | WIVF0071 | 39.8    | 34.7    | 0.2    | 1008      | -8          | FILTERED  |
| 23/06/2018 | WIVF0070 | 42.1    | 30.6    | 0.4    | 1008      | -15         | FILTERED  |
| 23/06/2018 | WIVF0067 | 48.9    | 28.6    | 0.1    | 1008      | -10         | FILTERED  |
| 23/06/2018 | WIVF0065 | 37.5    | 23.8    | 0.1    | 1008      | -1          | FILTERED  |
| 23/06/2018 | WIVF0063 | 37.8    | 24.3    | 0.1    | 1008      | -1          | FILTERED  |
| 23/06/2018 | WIVF0060 | 42.4    | 21.4    | 0.4    | 1008      | -10         | FILTERED  |
| 23/06/2018 | WIVF0059 | 32.5    | 27.8    | 0.1    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVF0058 | 41.7    | 22.8    | 0.3    | 1008      | -7          | FILTERED  |
| 23/06/2018 | WIVF0057 | 5.8     | 3.7     | 19.6   | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIVF MA  | 43.8    | 32.6    | 0.2    | 1008      | -49         | FILTERED  |
|            |          |         |         |        |           |             |           |
| 23/06/2018 | WIV0095  | 55.9    | 38.5    | 0.1    | 1008      | -25         | FILTERED  |
| 23/06/2018 | WIV0097  | 49.7    | 33.7    | 0.1    | 1008      | -25         | FILTERED  |
| 23/06/2018 | WIV0099  | 14.8    | 10.7    | 0.1    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIV0096  | 23.1    | 18.4    | 0      | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIV0098  | 52      | 33.8    | 0      | 1008      | -25         | FILTERED  |
| 23/06/2018 | WIV0100  | 53.2    | 32.6    | 0      | 1008      | -25         | FILTERED  |
| 23/06/2018 | WIV00102 | 11      | 0.9     | 19.4   | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIV0103  | 54.9    | 33.6    | 0.1    | 1008      | -25         | FILTERED  |
| 23/06/2018 | WIV0118  | 56.8    | 36.7    | 0.1    | 1008      | -25         | FILTERED  |
| 23/06/2018 | WIV0117  | 50.6    | 38.4    | 0      | 1008      | -25         | FILTERED  |
| 23/06/2018 | WIV0017  | 0.4     | 3       | 19.6   | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIV0119  | 57.7    | 36.1    | 0.2    | 1008      | -25         | FILTERED  |
| 23/06/2018 | WIV0091  | 55.1    | 39.4    | 0.1    | 1008      | -25         | FILTERED  |
| 23/06/2018 | LM5      | 27.6    | 27.1    | 3.8    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIV0020  | 52.6    | 38.9    | 0.1    | 1008      | -25         | FILTERED  |
| 23/06/2018 | WIV0012  | 54.5    | 43.2    | 0.1    | 1008      | -25         | FILTERED  |
| 23/06/2018 | WIV0011  | 52.1    | 37.4    | 0.3    | 1008      | -25         | FILTERED  |
| 23/06/2018 | WIV0092  | 18.4    | 8.3     | 0      | 1008      | 0           | FILTERED  |
| 23/06/2018 | L3       | 30.4    | 14.8    | 0      | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIV0009  | 5.3     | 3.1     | 18.4   | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIV00125 | 57.2    | 33.2    | 0.1    | 1008      | -25         | FILTERED  |
| 23/06/2018 | WIV0112  | 51.5    | 39.5    | 0.1    | 1008      | -25         | FILTERED  |
| 23/06/2018 | WIV0111  | 55.3    | 40.1    | 0.1    | 1008      | -25         | FILTERED  |
| 23/06/2018 | WIV0114  | 49.6    | 38.9    | 0.1    | 1008      | -20         | FILTERED  |
| 23/06/2018 | WIV0113  | 33.7    | 27.5    | 0.1    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIV0104  | 53.9    | 39.9    | 0.1    | 1008      | -25         | FILTERED  |
| 23/06/2018 | WIV0105  | 54.2    | 40.9    | 0.2    | 1008      | -25         | FILTERED  |
| 23/06/2018 | WIV0106  | 51.4    | 39.4    | 0.1    | 1008      | -25         | FILTERED  |
| 23/06/2018 | VL2      | 20.6    | 12.8    | 17.5   | 1008      | 0           | FILTERED  |

| Date       | ID       | CH4 (%) | CO2 (%) | O2 (%) | BARO (mb) | Vacuum (mb) | H2S (ppm) |
|------------|----------|---------|---------|--------|-----------|-------------|-----------|
| 23/06/2018 | WIV0107  | 36.8    | 27.4    | 0.2    | 1008      | -2          | FILTERED  |
| 23/06/2018 | VLM1     | 22.6    | 15      | 0.2    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIV0107  | 50.4    | 30.5    | 0.1    | 1008      | -15         | FILTERED  |
| 23/06/2018 | WIV0109  | 40.6    | 33.7    | 0      | 1008      | -5          | FILTERED  |
| 23/06/2018 | WIV0110  | 30.6    | 27.2    | 0      | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIV0101  | 45.1    | 32.7    | 0.1    | 1008      | -15         | FILTERED  |
| 23/06/2018 | RD1      | 55.7    | 23.9    | 0      | 1008      | -20         | FILTERED  |
| 23/06/2018 | WIV0102  | 20.7    | 19.6    | 0      | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIV0103  | 27.6    | 21.9    | 0.1    | 1008      | 0           | FILTERED  |
| 23/06/2018 | WIV0118  | 54.2    | 33.5    | 0.2    | 1008      | -25         | FILTERED  |
| 23/06/2018 | WIV0116  | 55.3    | 41.1    | 0.2    | 1008      | -25         | FILTERED  |
| 23/06/2018 | L5       | 30.4    | 23.5    | 0.1    | 1008      | 0           | FILTERED  |
| 23/06/2018 | L4       | 38.1    | 23.8    | 0.5    | 1008      | -8          | FILTERED  |
| 23/06/2018 | WIVJ0020 | 57.4    | 32.4    | 0.1    | 1008      | -25         | FILTERED  |
| 23/06/2018 | LM5      | 34.3    | 27.4    | 4.1    | 1008      | -5          | FILTERED  |

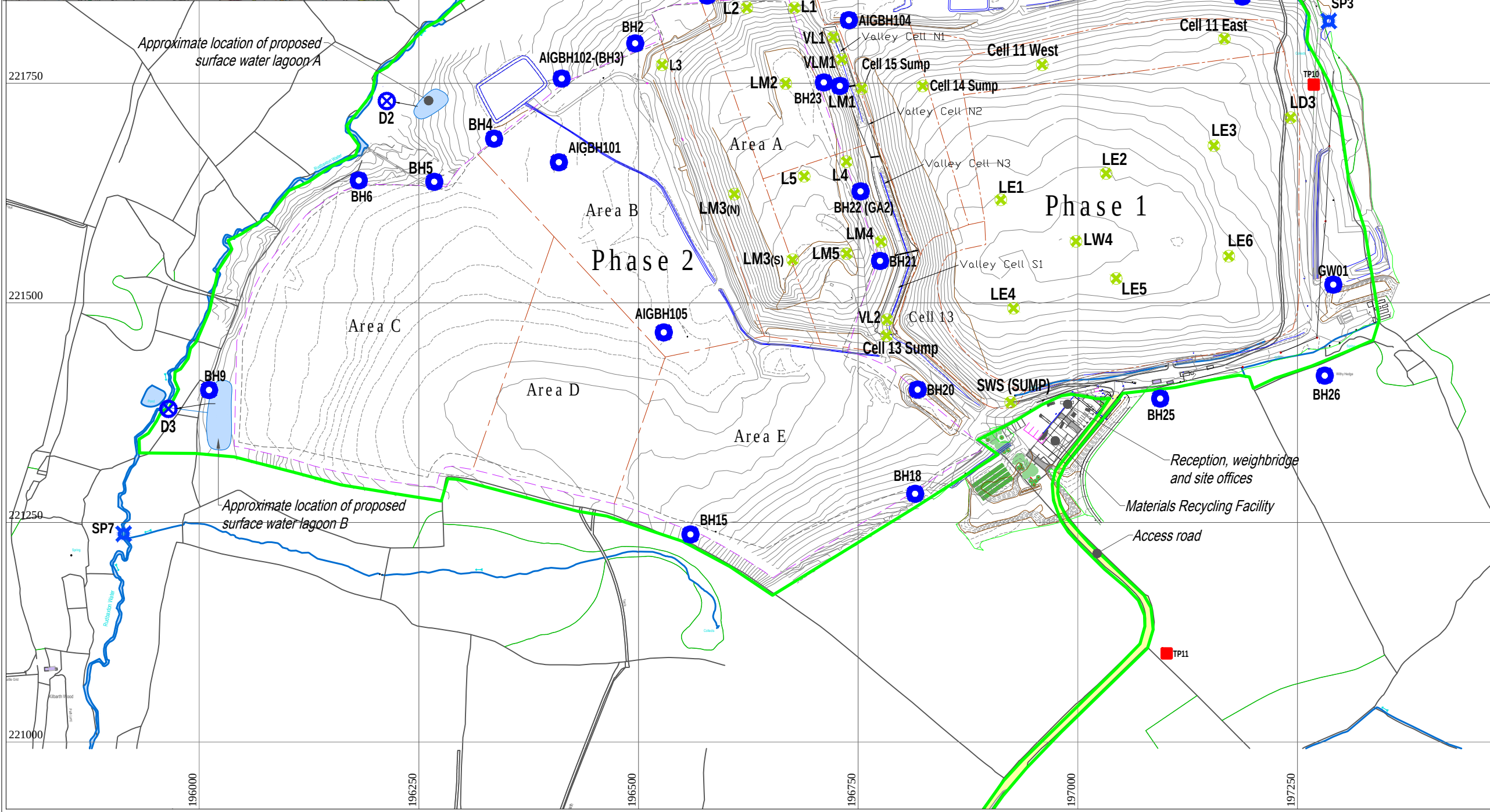
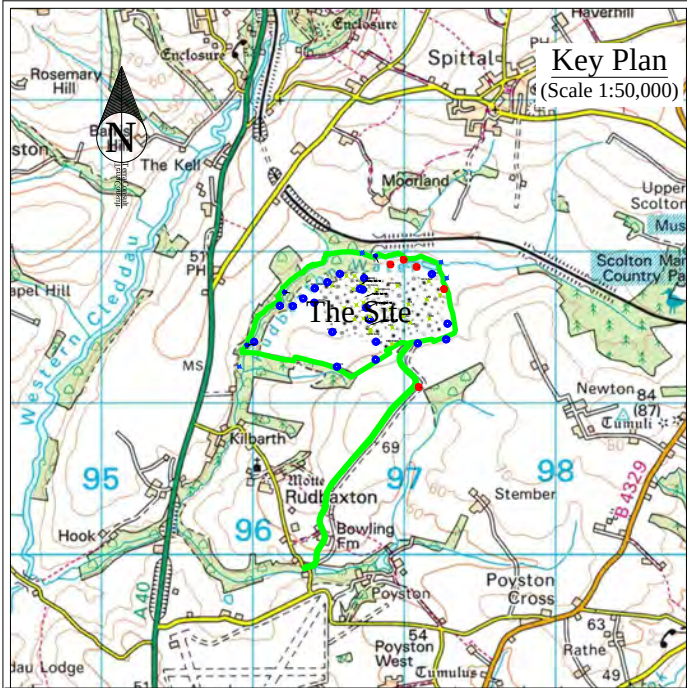
## **APPENDIX G**

### **Gas Engine Emissions**

**Table 1: Point source emissions to air Engine Exhaust 1 and Engine Exhaust 2 in accordance with Table S4.2 of the permit**

| Monitoring Point                |                        | Engine Exhaust 1 (1514) |           |          | Engine Exhaust 2 (1538) |           |          |
|---------------------------------|------------------------|-------------------------|-----------|----------|-------------------------|-----------|----------|
|                                 | Compliance Limit (ppm) | 18/4/2018               | 16/5/2018 | 8/6/2018 | 18/4/2018               | 16/5/2018 | 8/6/2018 |
| <b>Oxides of Nitrogen (NOx)</b> | No Limit               | 438                     | 512       | 517      | 446                     | 553       | 552      |
| <b>Carbon Monoxide (CO)</b>     | No Limit               | 1037                    | 1047      | 1052     | 1037                    | 1047      | 1046     |





- Key
- Permit boundary (as original WML boundary)
  - Limit of waste disposal (Phase 2)
  - Break of slope
  - SP1 Groundwater monitoring point
  - Leachate extraction/monitoring point
  - TP9 Trial pit monitoring point
  - D1 Water discharge monitoring point
  - SP5 Surface water monitoring point

**TerraConsult**

Bold Business Centre, Bold Lane,  
Sutton, St Helens WA9 4TX

Client

**RML**  
Resources Management (UK) Limited

Site

**Withy hedge  
Landfill Site**

Title

**Site Monitoring Plan**

|             |                               |             |
|-------------|-------------------------------|-------------|
| Scale       | 1:5,000                       | @ A3        |
| Drawing No. | 3933/1/001                    |             |
| Rev         | Date                          | Description |
|             |                               |             |
|             |                               |             |
|             |                               |             |
| File        | 39331001-Site Monitoring Plan |             |
| Date        | 05/18                         | Engineer PS |
| Drawn       | SR                            | Checked JB  |