

|                                          |                            |             |                                                    |        |              |         |
|------------------------------------------|----------------------------|-------------|----------------------------------------------------|--------|--------------|---------|
| <b>Project Name:</b>                     | Comaplex                   |             | <b>Date</b>                                        | 02-Aug | <b>Crew:</b> | DC / AU |
| <b>Watercourse:</b>                      | Meliadine Lake near Rankin |             | <b>Start Time</b>                                  | 13:00  |              |         |
| <b>Crossing ID:</b>                      | C07 Meliadine Lake n       |             | <b>End Time</b>                                    | 16:10  |              |         |
| <b>BM GPS Location: (given/measured)</b> |                            |             | <b>Datalogger SN:</b> new <input type="checkbox"/> |        |              |         |
| East 544721 BM1 / 544835                 |                            |             | Depth Reading                                      |        |              |         |
| North 6971568 BM1 / 6971643              |                            |             | Battery                                            |        |              |         |
| <b>Survey:</b>                           | BM_Elevation =             | 100         | <b>Transducer SN:</b> new <input type="checkbox"/> |        |              |         |
|                                          | BM_Reading :               | Staff Gauge | <b>Meter Type/SN:</b>                              |        |              |         |
|                                          | WS_Reading :               |             | <b>Photos #</b>                                    |        |              |         |
|                                          | WS_Elevation :             |             | <b>Obs:</b>                                        |        |              |         |
| BM location inf.                         |                            | D WL        |                                                    |        |              |         |

| STATION | DISTANCE<br>FROM RDB<br>BANK (m) | ICE<br>THICKNESS<br>(m) | DEPTH<br>(m) | VELOCITY  |               | DISTANCE<br>FROM RDB /<br>LDB BANK<br>(m) | ICE<br>THICKNESS<br>(m) | DEPTH (m) | VELOCITY  |               |
|---------|----------------------------------|-------------------------|--------------|-----------|---------------|-------------------------------------------|-------------------------|-----------|-----------|---------------|
|         |                                  |                         |              | 0.2 Depth | 0.6/0.8 Depth |                                           |                         |           | 0.2 Depth | 0.6/0.8 Depth |
| RDB     |                                  |                         |              | (m/s)     | (m/s)         |                                           |                         |           | (m/s)     | (m/s)         |
| 1       | 0.0                              |                         | 0.00         |           | 0.00          | 35.00                                     |                         | 0.17      |           | 0.010         |
| 2       | 1.0                              |                         | 0.27         |           | 0.08          | 36.00                                     |                         | 0.13      |           | 0.000         |
| 3       | 2.0                              |                         | 0.33         |           | 0.08          | 41.00                                     |                         | 0         |           | 0.000         |
| 4       | 3.0                              |                         | 0.43         |           | 0.01          |                                           |                         |           |           |               |
| 5       | 4.0                              |                         | 0.55         |           | 0.05          | 0.00                                      |                         | 0         |           | 0.140         |
| 6       | 5.0                              |                         | 0.62         |           | 0.02          | 1.00                                      |                         | 0.17      |           | 0.240         |
| 7       | 6.0                              |                         | 0.63         |           | 0.20          | 2.00                                      |                         | 0.26      |           | 0.220         |
| 8       | 7.0                              |                         | 0.53         |           | 0.16          | 3.00                                      |                         | 0.26      |           | 0.320         |
| 9       | 8.0                              |                         | 0.50         |           | 0.16          | 4.00                                      |                         | 0.29      |           | 0.280         |
| 10      | 9.0                              |                         | 0.50         |           | 0.17          | 5.00                                      |                         | 0.4       |           | 0.180         |
| 11      | 10.0                             |                         | 0.50         |           | 0.15          | 6.00                                      |                         | 0.44      |           | 0.130         |
| 12      | 11.0                             |                         | 0.50         |           | 0.16          | 7.00                                      |                         | 0.45      |           | 0.150         |
| 13      | 12.0                             |                         | 0.50         |           | 0.16          | 8.00                                      |                         | 0.52      |           | 0.210         |
| 14      | 13.0                             |                         | 0.50         |           | 0.2           | 9.00                                      |                         | 0.49      |           | 0.250         |
| 15      | 14.0                             |                         | 0.51         |           | 0.2           | 10.00                                     |                         | 0.5       |           | 0.280         |
| 16      | 15.0                             |                         | 0.46         |           | 0.21          | 11.00                                     |                         | 0.53      |           | 0.290         |
| 17      | 16.0                             |                         | 0.50         |           | 0.21          | 12.00                                     |                         | 0.61      |           | 0.310         |
| 18      | 17.0                             |                         | 0.52         |           | 0.22          | 13.00                                     |                         | 0.65      |           | 0.310         |
| 19      | 18.0                             |                         | 0.50         |           | 0.24          | 14.00                                     |                         | 0.67      |           | 0.370         |
| 20      | 19.0                             |                         | 0.50         |           | 0.24          | 15.00                                     |                         | 0.58      |           | 0.310         |
| 21      | 20.0                             |                         | 0.45         |           | 0.25          | 16.00                                     |                         | 0.58      |           | 0.320         |
| 22      | 21.0                             |                         | 0.46         |           | 0.21          | 17.00                                     |                         | 0.56      |           | 0.330         |
| 23      | 22.0                             |                         | 0.44         |           | 0.21          | 18.00                                     |                         | 0.5       |           | 0.220         |
| 24      | 23.0                             |                         | 0.40         |           | 0.13          | 19.00                                     |                         | 0.46      |           | 0.230         |
| 25      | 24.0                             |                         | 0.38         |           | 0.14          | 20.00                                     |                         | 0.45      |           | 0.190         |
| 26      | 25.0                             |                         | 0.29         |           | 0.14          | 21.00                                     |                         | 0.42      |           | 0.150         |
| 27      | 26.0                             |                         | 0.32         |           | 0.12          | 22.00                                     |                         | 0.32      |           | 0.110         |
| 28      | 27.0                             |                         | 0.32         |           | 0.13          | 23.00                                     |                         | 0.3       |           | 0.100         |
| 29      | 28.0                             |                         | 0.30         |           | 0.1           | 24.00                                     |                         | 0         |           | 0.000         |
| 30      | 29.0                             |                         | 0.31         |           | 0.09          |                                           |                         | 0         |           |               |
| 31      | 30.0                             |                         | 0.25         |           | 0.08          |                                           |                         | 0         |           |               |
| 32      | 31.0                             |                         | 0.21         |           | 0.07          |                                           |                         | 0         |           |               |
| 33      | 32.0                             |                         | 0.21         |           | 0.06          | Q (m3/s)                                  | 4.758                   |           | WS(m)     | 0.000         |
| 34      | 33.0                             |                         | 0.21         |           | 0.02          | A(m2)                                     | 27.11                   |           |           |               |
| 35      | 34.0                             |                         | 0.16         |           | 0.02          | B(m)                                      | 41.0                    |           |           |               |