

# HYDROMETRIC STATION DATA COLLECTION SHEET – Clinton Creek

|                         |  |                         |  |                                |                          |
|-------------------------|--|-------------------------|--|--------------------------------|--------------------------|
| <b>Station ID:</b>      | E1(H)  | <b>Project Number:</b>  | 16-240.2   | <b>Date:</b>                   | Jun. 14/2016             |
| <b>UTM Coordinates</b>  | Z <u>      </u> E <u>      </u> N <u>      </u>  | <b>Client:</b>          | Yukon Government - AAM   | <b>Samplers:</b>               | AN, CH.                  |
| <b>Waypoint</b>         | GPS <u>      </u> Name <u>      </u>   | <b>Project Name:</b>    | Clinton Creek Surface Water Monitoring Program                                       | <b>Weather/Temp.:</b>          | light rain/wind<br>~10°C |
| <b>Photos</b>           | Cam <u>ELR</u> Nos. <u>603-622</u>   | <b>Data Downloaded?</b> | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Comp. <u>N/A</u> | <b>Staff Gauge Reading (m)</b> | 0.730                    |
| <b>Survey Equipment</b> | <input type="checkbox"/> Inclino. <input checked="" type="checkbox"/> Survey Level Other <u>      </u> | <b>Data File Name:</b>  | <u>N/A</u>   | <b>Download Time*:</b>         | <u>N/A</u>               |

| Station Survey Measurements                      |       |  |       |             |             |
|--|-------|--|-------|-------------|-------------|
| Pass 1 (m)                                       |       | Pass 2 (m)                                       |       | Average (m) | Site Sketch |
| Bench Mark #1 (BM1)                              | 3.131 | Bench Mark #1                                    | 3.131 | 3.131       |             |
| Bench Mark #2 (BM2)                              | 2.483 | Bench Mark #2                                    | 2.484 | 2.4835      |             |
| Staff Gauge (SG) (top of gauge, not top of wood) | 3.838 | Staff Gauge (SG) (top of gauge, not top of wood) | 3.838 | 3.838       |             |
| Station Casing (SC)                              | 3.553 | Station Casing (SC)                              | 3.552 | 3.5525      |             |
| SG Difference with BM1                           | 0.707 | SG Difference with BM1                           | 0.707 | 0.707       |             |
| SG Difference with BM2                           | 1.355 | SG Difference with BM2                           | 1.354 | 1.3545      |             |
| SC Difference with BM1                           | 0.422 | SC Difference with BM1                           | 0.421 | 0.4215      |             |
| SC Difference with BM2                           | 1.070 | SC Difference with BM2                           | 1.068 | 1.069       |             |

**General Notes (e.g., Station condition, details that may affect data quality; placement of the survey rod, batteries changed in OTT meter)**

SG is not firmly set. Easy to move. Potential slumping of bank @ survey location.  
Pass 1

\*Always a minimum of 15 minutes after you have a gauged the stream (the transducer is programmed to log a reading every 15 minutes)

0.648  
0.563  
0.561  
0.644  
0.563

# HYDROMETRIC STATION DATA COLLECTION SHEET – Clinton Creek

|                         |   |                         |   |                                |                 |
|-------------------------|---|-------------------------|---|--------------------------------|-----------------|
| <b>Station ID:</b>      | E1C(H)  | <b>Project Number:</b>  | 16-240.2  | <b>Date:</b>                   | June 14, 2016   |
| <b>UTM Coordinates</b>  | Z _____ E _____ N _____   | <b>Client:</b>          | Yukon Government - AAM  | <b>Samplers:</b>               | CLIFAN          |
| <b>Waypoint</b>         | GPS _____ Name _____  | <b>Project Name:</b>    | Clinton Creek Surface Water Monitoring Program                                  | <b>Weather/Temp.:</b>          | Overcast<br>50C |
| <b>Photos</b>           | Cam <u>ELR</u> Nos. <u>603-622</u>  | <b>Data Downloaded?</b> | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Comp. _____ | <b>Staff Gauge Reading (m)</b> | 0.730           |
| <b>Survey Equipment</b> | <input type="checkbox"/> Inclin. <input checked="" type="checkbox"/> Survey Level Other _____ | <b>Data File Name:</b>  | N/A   | <b>Download Time*:</b>         | N/A             |

| Station Survey Measurements                      |       |  |       |             |             |
|--|-------|--|-------|-------------|-------------|
| Pass 1 (m)                                       |       | Pass 2 (m)                                       |       | Average (m) | Site Sketch |
| Bench Mark #1 (BM1)                              | 2.765 | Bench Mark #1                                    | 2.763 | 2.764       |             |
| Bench Mark #2 (BM2)                              | 2.119 | Bench Mark #2                                    | 2.119 | 2.119       |             |
| Staff Gauge (SG) (top of gauge, not top of wood) | 3.478 | Staff Gauge (SG) (top of gauge, not top of wood) | 3.479 | 3.4785      |             |
| Station Casing (SC)                              | 3.188 | Station Casing (SC)                              | 3.188 | 3.188       |             |
| SG Difference with BM1                           | 0.713 | SG Difference with BM1                           | 0.716 | 0.7145      |             |
| SG Difference with BM2                           | 1.359 | SG Difference with BM2                           | 1.360 | 1.3595      |             |
| SC Difference with BM1                           | 0.423 | SC Difference with BM1                           | 0.425 | 0.424       |             |
| SC Difference with BM2                           | 1.069 | SC Difference with BM2                           | 1.069 | 1.069       |             |

**General Notes** (e.g., Station condition, details that may affect data quality; placement of the survey rod, batteries changed in OTT meter)

PASS 2

Second survey conducted in order to QA measurements. Survey level was moved, surveyor was switched for pass 1 and 2, blind measurements. SG appears loose. Potential slumping of bank at survey location.

\*Always a minimum of 15 minutes after you have a gauged the stream (the transducer is programmed to log a reading every 15 minutes)

# HYDROMETRIC STATION DATA COLLECTION SHEET – Clinton Creek

|                  |  |                  |   |                         |                               |
|------------------|--|------------------|---|-------------------------|-------------------------------|
| Station ID:      | <u>B3 (H)</u>  | Project Number:  | 16-240.2  | Date:                   | <u>Jun. 18/2016</u>           |
| UTM Coordinates  | <del>Z E N</del>   | Client:          | Yukon Government - AAM  | Samplers:               | <u>AN, CH.</u>                |
| Waypoint         | <del>GPS Name</del>  | Project Name:    | Clinton Creek Surface Water Monitoring Program                                      | Weather/Temp.:          | <u>Cloudy/sunny<br/>~16°C</u> |
| Photos           | Cam <u>ELR</u> Nos. <u>724-726</u>   | Data Downloaded? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Comp. <u>AN</u> | Staff Gauge Reading (m) | <u>0.252</u>                  |
| Survey Equipment | <input type="checkbox"/> Inclino. <input checked="" type="checkbox"/> Survey Level Other _____ | Data File Name:  | <u>Clinton Download<br/>(June 2016)</u>   | Download Time*:         | <u>9:15</u>                   |

| Station Survey Measurements                      |              |  |              |               |             |
|--|--------------|--|--------------|---------------|-------------|
| Pass 1 (m)                                       |              | Pass 2 (m)                                       |              | Average (m)   | Site Sketch |
| Bench Mark #1 (BM1)                              | <u>0.951</u> | Bench Mark #1                                    | <u>0.952</u> | <u>0.9515</u> |             |
| Bench Mark #2 (BM2)                              | <u>0.340</u> | Bench Mark #2                                    | <u>0.341</u> | <u>0.3405</u> |             |
| Staff Gauge (SG) (top of gauge, not top of wood) | <u>1.234</u> | Staff Gauge (SG) (top of gauge, not top of wood) | <u>1.233</u> | <u>1.2325</u> |             |
| Station Casing (SC)                              | <u>0.357</u> | Station Casing (SC)                              | <u>0.357</u> | <u>0.357</u>  |             |
| SG Difference with BM1                           | <u>0.283</u> | SG Difference with BM1                           | <u>0.281</u> | <u>0.282</u>  |             |
| SG Difference with BM2                           | <u>0.894</u> | SG Difference with BM2                           | <u>0.892</u> | <u>0.893</u>  |             |
| SC Difference with BM1                           | <u>0.594</u> | SC Difference with BM1                           | <u>0.595</u> | <u>0.5945</u> |             |
| SC Difference with BM2                           | <u>0.017</u> | SC Difference with BM2                           | <u>0.016</u> | <u>0.0165</u> |             |

|  |
|--|
| <p>General Notes (e.g., Station condition, details that may affect data quality; placement of the survey rod, batteries changed in OTT meter)</p> <p><del>Difference between BM1 &amp; BM2 =</del><br/>                 Pass 1 BM1-BM2 = <u>0.611</u><br/>                 Pass 2 BM1-BM2 = <u>0.611</u></p> <p>Time recorded on transducer has not been adjusted for day/light savings. 9:00 AM hydrology measurement matches 8:00 AM transducer reading.</p> |
|--|

\*Always a minimum of 15 minutes after you have a gauged the stream (the transducer is programmed to log a reading every 15 minutes)



# HYDROMETRIC STATION DATA COLLECTION SHEET – Clinton Creek

|                         |  |                         |   |                                |              |
|-------------------------|--|-------------------------|---|--------------------------------|--------------|
| <b>Station ID:</b>      | SL   | <b>Project Number:</b>  | 16-240.2  | <b>Date:</b>                   | Jun. 17/2016 |
| <b>UTM Coordinates</b>  | Z E N  | <b>Client:</b>          | Yukon Government - AAM  | <b>Samplers:</b>               | AN, CH.      |
| <b>Waypoint</b>         | GPS Name   | <b>Project Name:</b>    | Clinton Creek Surface Water Monitoring Program                                  | <b>Weather/Temp.:</b>          | Sunny ~25°C  |
| <b>Photos</b>           | Cam ELR Nos. 704-711   | <b>Data Downloaded?</b> | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Comp. _____ | <b>Staff Gauge Reading (m)</b> | DRY          |
| <b>Survey Equipment</b> | <input type="checkbox"/> Inclino. <input checked="" type="checkbox"/> Survey Level Other _____ | <b>Data File Name:</b>  | N/A   | <b>Download Time:</b>          | N/A          |

| Station Survey Measurements                      |       |  |       |             |  |
|--|-------|--|-------|-------------|--|
| Pass 1 (m)                                       |       | Pass 2 (m)                                       |       | Average (m) | Site Sketch  |
| Bench Mark #1 (BM1)                              | 1.272 | Bench Mark #1                                    | 1.272 | 1.272       | <p><u>WL Measurements</u></p> <ul style="list-style-type: none"> <li>• survey rod resting on pond bottom.</li> <li>• depth of water 10 cm in both passes.</li> <li>• pond bottom soft sed. which may account for variation in measurements.</li> </ul> |
| Bench Mark #2 (BM2)                              | 1.182 | Bench Mark #2                                    | 1.182 | 1.182       |  |
| Staff Gauge (SG) (top of gauge, not top of wood) | 1.267 | Staff Gauge (SG) (top of gauge, not top of wood) | 1.269 | 1.268       |  |
| <del>Station Casing (SC) WL</del>                | 3.165 | <del>Station Casing (SC) WL</del>                | 3.175 | 3.170       |  |
| SG Difference with BM1                           | 0.005 | SG Difference with BM1                           | 0.003 | 0.004       |  |
| SG Difference with BM2                           | 0.085 | SG Difference with BM2                           | 0.087 | 0.086       |  |
| SG Difference with BM1                           | 1.893 | SG Difference with BM1                           | 1.903 | 1.898       |  |
| SG Difference with BM2                           | 1.983 | SG Difference with BM2                           | 1.993 | 1.988       |  |

water level @ 10cm

WL  
WL

WL

**General Notes (e.g., Station condition, details that may affect data quality; placement of the survey rod, batteries changed in OTT meter)**

No station casing @ this site. Values collected for SC measurement were taken on the pond water level. Lake/pond bottom is soft, resulting in variation between values.

\*Always a minimum of 15 minutes after you have a gauged the stream (the transducer is programmed to log a reading every 15 minutes)

Difference bw BM = 0.090

EXTRA NOTES

# HYDROMETRIC STATION DATA COLLECTION SHEET – Clinton Creek

|                  |   |                  |   |                         |                |
|------------------|---|------------------|---|-------------------------|----------------|
| Station ID       | SL  | Project Number   | 16-240.2  | Date                    | Jun. 17 / 2016 |
| UTM Coordinates  | Z E N   | Client           | Yukon Government - AAM  | Samplers                | AN, CH         |
| Waypoint         | GPS Name  | Project Name     | Clinton Creek Surface Water Monitoring Program                                  | Weather/Temp.           | Sunny ~25°C    |
| Photos           | Cam ELR Nos. 704-711  | Data Downloaded? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Comp. _____ | Staff Gauge Reading (m) | DRY            |
| Survey Equipment | <input type="checkbox"/> Inclin. <input checked="" type="checkbox"/> Survey Level Other _____ | Date File Name   | N/A   | Download Time           | N/A            |

Station Survey Measurements

| Pass 1 (m)   | Pass 2 (m)   | Average (m) | Site Sketch  |
|--|--|-------------|--|
| Bench Mark #1 (BM1) 1.272                              | Bench Mark #1 1.272                                    | 1.272       | <p><u>WL Measurements</u></p> <p>• survey rod resting on pond bottom.</p> <p>• depth of water 10 cm in both passes.</p> <p>• pond bottom soft sed. which may account for variations in measurements.</p> |
| Bench Mark #2 (BM2) 1.182                              | Bench Mark #2 1.182                                    | 1.182       |  |
| Staff Gauge (SG) (top of gauge, not top of wood) 1.267 | Staff Gauge (SG) (top of gauge, not top of wood) 1.269 | 1.268       |  |
| <del>Station Reading (SC) WL</del> 3.165               | <del>Station Reading (SC) WL</del> 3.175               | 3.170       |  |
| SG Difference with BM1 0.005                           | SG Difference with BM1 0.003                           | 0.004       |  |
| SG Difference with BM2 0.085                           | SG Difference with BM2 0.087                           | 0.086       |  |
| WL <del>SG</del> Difference with BM1 1.893             | <del>SG</del> Difference with BM1 1.903                | 1.898       |  |
| WL <del>SG</del> Difference with BM2 1.983             | <del>SG</del> Difference with BM2 1.993                | 1.988       |  |

water level @ 10cm

WL  
WL

WL

General Notes (e.g. Station condition, details that may affect data quality, placement of the survey rod, batteries changed in GPR mode)

No station casing @ this site. Values collected for SC measurement were taken on the pond water level. Lake/pond bottom is soft, resulting in variations between values.

\*Always a minimum of 15 minutes after you have a gauged the stream (the transducer is programmed to log a reading every 15 minutes)

Difference bw BM = 0.090