



**Western Copper
Corporation**

Project Proposal
Carmacks Copper Project
Yukon Territory

Appendix H1

**Summary of Flow Measurements Recorded in
June and July 2006**

| W-2 June 8, 2006 | | | | | | | | | |
|------------------|----------|------------------|----------------------|------|----------|-------------|---------------|-------------------|---------------------------------|
| Bank | Distance | Depth of Channel | Depth of Measurement | Revs | Time (s) | Velocity | Average Width | Area | Q |
| RHB | 1.26 | | | | | | | | |
| | 1.16 | 0.22 | 0.13 | 10 | 26 | 0.265692308 | 0.07 | 0.0154 | 0.004091662 |
| | 1.12 | 0.22 | 0.13 | 10 | 20 | 0.3442 | 0.035 | 0.0077 | 0.00265034 |
| | 1.09 | 0.20 | 0.12 | 10 | 21 | 0.328 | 0.03 | 0.006 | 0.001968 |
| | 1.06 | 0.21 | 0.13 | 10 | 22 | 0.313272727 | 0.03 | 0.0063 | 0.001973618 |
| | 1.03 | 0.18 | 0.11 | 10 | 27 | 0.256 | 0.025 | 0.0045 | 0.001152 |
| | 1.01 | 0.20 | 0.12 | 10 | 22 | 0.313272727 | 0.02 | 0.004 | 0.001253091 |
| | 0.99 | 0.12 | 0.07 | 10 | 28 | 0.247 | 0.02 | 0.0024 | 0.0005928 |
| | 0.97 | 0.18 | 0.11 | 10 | 25 | 0.27616 | 0.02 | 0.0036 | 0.000994176 |
| | 0.95 | 0.12 | 0.07 | 10 | 28 | 0.247 | 0.02 | 0.0024 | 0.0005928 |
| | 0.93 | 0.16 | 0.10 | 10 | 26 | 0.265692308 | 0.02 | 0.0032 | 0.000850215 |
| | 0.91 | 0.08 | 0.05 | 10 | 27 | 0.256 | 0.035 | 0.0028 | 0.0007168 |
| | 0.86 | 0.08 | 0.05 | 10 | 23 | 0.299826087 | 0.455 | 0.0364 | 0.01091367 |
| LHB | 0.70 | | | | | | | | |
| | | | | | | | | Total Discharge = | 0.027749172 m ³ /sec |

| W-4 June 8, 2006 | | | | | | | | | |
|------------------|----------|------------------|----------------------|------|----------|-------------|---------------|-------------------|---------------------------------|
| Bank | Distance | Depth of Channel | Depth of Measurement | Revs | Time (s) | Velocity | Average Width | Area | Q |
| RHB | 1.40 | | | | | | | | |
| | 1.25 | 0.50 | 0.30 | 5 | 24 | 0.14575 | 0.115 | 0.0575 | 0.008380625 |
| | 1.17 | 0.50 | 0.30 | 5 | 24 | 0.14575 | 0.06 | 0.03 | 0.0043725 |
| | 1.13 | 0.50 | 0.30 | 5 | 23 | 0.151913043 | 0.035 | 0.0175 | 0.002658478 |
| | 1.10 | 0.50 | 0.30 | 5 | 23 | 0.151913043 | 0.04 | 0.02 | 0.003038261 |
| | 1.05 | 0.48 | 0.29 | 5 | 22 | 0.158636364 | 0.04 | 0.0192 | 0.003045818 |
| | 1.02 | 0.48 | 0.29 | 5 | 22 | 0.158636364 | 0.04 | 0.0192 | 0.003045818 |
| | 0.97 | 0.48 | 0.29 | 5 | 24 | 0.14575 | 0.055 | 0.0264 | 0.0038478 |
| | 0.91 | 0.46 | 0.28 | 5 | 32 | 0.1103125 | 0.075 | 0.0345 | 0.003805781 |
| | 0.82 | 0.46 | 0.28 | 5 | 35 | 0.1012 | 0.07 | 0.0322 | 0.00325864 |
| | 0.77 | 0.46 | 0.28 | 5 | 32 | 0.1103125 | 0.06 | 0.0276 | 0.003044625 |
| | 0.70 | 0.42 | 0.25 | 5 | 41 | 0.08697561 | 0.07 | 0.0294 | 0.002557083 |
| | 0.63 | 0.40 | 0.24 | 2 | 22 | 0.065854545 | 0.05 | 0.02 | 0.001317091 |
| | 0.60 | 0.38 | 0.23 | 2 | 41 | 0.037190244 | 0.315 | 0.1197 | 0.004451672 |
| LHB | 0.40 | | | | | | | | |
| | | | | | | | | Total Discharge = | 0.046824193 m ³ /sec |

| W-6 June 8, 2006 | | | | | | | | | |
|------------------|----------|------------------|----------------------|------|----------|-------------|---------------|-------------------|---------------------------------|
| Bank | Distance | Depth of Channel | Depth of Measurement | Revs | Time (s) | Velocity | Average Width | Area | Q |
| RHB | 1.10 | | | | | | | | |
| | 1.08 | 0.16 | 0.10 | 5 | 19 | 0.183052632 | 0.035 | 0.0056 | 0.001025095 |
| | 1.03 | 0.18 | 0.11 | 10 | 25 | 0.27616 | 0.045 | 0.0081 | 0.002236896 |
| | 0.99 | 0.18 | 0.11 | 10 | 22 | 0.313272727 | 0.05 | 0.009 | 0.002819455 |
| | 0.93 | 0.18 | 0.11 | 5 | 19 | 0.183052632 | 0.05 | 0.009 | 0.001647474 |
| | 0.89 | 0.18 | 0.11 | 10 | 22 | 0.313272727 | 0.05 | 0.009 | 0.002819455 |
| | 0.83 | 0.18 | 0.11 | 10 | 22 | 0.313272727 | 0.04 | 0.0072 | 0.002255564 |
| | 0.81 | 0.18 | 0.11 | 10 | 23 | 0.299826087 | 0.035 | 0.0063 | 0.001888904 |
| | 0.76 | 0.18 | 0.11 | 10 | 23 | 0.299826087 | 0.045 | 0.0081 | 0.002428591 |
| | 0.72 | 0.18 | 0.11 | 10 | 24 | 0.2875 | 0.04 | 0.0072 | 0.00207 |
| | 0.68 | 0.18 | 0.11 | 10 | 22 | 0.313272727 | 0.04 | 0.0072 | 0.002255564 |
| | 0.64 | 0.20 | 0.12 | 10 | 27 | 0.256 | 0.04 | 0.008 | 0.002048 |
| | 0.60 | 0.18 | 0.11 | 10 | 29 | 0.23862069 | 0.05 | 0.009 | 0.002147586 |
| | 0.54 | 0.18 | 0.11 | 10 | 23 | 0.299826087 | 0.05 | 0.009 | 0.002698435 |
| | 0.50 | 0.16 | 0.10 | 5 | 16 | 0.216625 | 0.045 | 0.0072 | 0.0015597 |
| | 0.45 | 0.16 | 0.10 | 5 | 20 | 0.1741 | 0.25 | 0.04 | 0.006964 |
| LHB | 0.32 | | | | | | | | |
| | | | | | | | | Total Discharge = | 0.036864717 m ³ /sec |

Project Proposal for the Carmacks Copper Project
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| W-9 June 8, 2006 | | | | | | | | | |
|------------------|----------|------------------|----------------------|------|----------|-------------|---------------|-------------------|---------------------------------|
| Bank | Distance | Depth of Channel | Depth of Measurement | Revs | Time (s) | Velocity | Average Width | Area | Q |
| LHB | 1.70 | | | | | | | | |
| | 1.08 | 0.46 | 0.28 | 5 | 63 | 0.058 | 0.32 | 0.1472 | 0.0085376 |
| | 1.06 | 0.38 | 0.23 | 10 | 35 | 0.1984 | 0.03 | 0.0114 | 0.00226176 |
| | 1.02 | 0.42 | 0.25 | 2 | 43 | 0.035646512 | 0.03 | 0.0126 | 0.000449146 |
| | 1.00 | 0.45 | 0.27 | 10 | 25 | 0.27616 | 0.02 | 0.009 | 0.00248544 |
| | 0.98 | 0.42 | 0.25 | 2 | 40 | 0.03802 | 0.02 | 0.0084 | 0.000319368 |
| | 0.96 | 0.45 | 0.27 | 10 | 18 | 0.382 | 0.02 | 0.009 | 0.003438 |
| | 0.94 | 0.43 | 0.26 | 2 | 28 | 0.0526 | 0.02 | 0.0086 | 0.00045236 |
| | 0.92 | 0.45 | 0.27 | 10 | 19 | 0.362105263 | 0.02 | 0.009 | 0.003258947 |
| | 0.90 | 0.45 | 0.27 | 10 | 44 | 0.158636364 | 0.02 | 0.009 | 0.001427727 |
| | 0.88 | 0.46 | 0.28 | 10 | 22 | 0.313272727 | 0.02 | 0.0092 | 0.002882109 |
| | 0.86 | 0.42 | 0.25 | 4 | 24 | 0.1174 | 0.03 | 0.0126 | 0.00147924 |
| | 0.82 | 0.36 | 0.22 | 5 | 28 | 0.1255 | 0.43 | 0.1548 | 0.0194274 |
| RHB | 0.73 | | | | | | | | |
| | | | | | | | | Total Discharge = | 0.046419098 m ³ /sec |

| W-10 June 7, 2006 | | | | | | | | | |
|-------------------|--------------|------------------|----------------------|------|----------|----------|---------------|-------------------|----------------------------|
| Bank | Distance (m) | Depth of Channel | Depth of Measurement | Revs | Time (s) | Velocity | Average Width | Area | Q |
| RHB | 2.44 | | | | | | | | |
| | 2.40 | 0.26 | 0.16 | 2 | 36 | 0.0418 | 0.12 | 0.0312 | 0.00130416 |
| | 2.20 | 0.25 | 0.15 | 4.5 | 20 | 0.15709 | 0.2 | 0.05 | 0.0078545 |
| | 2.00 | 0.24 | 0.14 | 4.75 | 20 | 0.165595 | 0.2 | 0.048 | 0.00794856 |
| | 1.80 | 0.24 | 0.14 | 7.75 | 20 | 0.267655 | 0.2 | 0.048 | 0.01284744 |
| | 1.60 | 0.22 | 0.13 | 8.5 | 20 | 0.29317 | 0.2 | 0.044 | 0.01289948 |
| | 1.40 | 0.24 | 0.14 | 9.25 | 20 | 0.318685 | 0.2 | 0.048 | 0.01529688 |
| | 1.20 | 0.23 | 0.14 | 8.5 | 20 | 0.29317 | 0.2 | 0.046 | 0.01348582 |
| | 1.00 | 0.18 | 0.11 | 7.25 | 20 | 0.250645 | 0.2 | 0.036 | 0.00902322 |
| | 0.80 | 0.18 | 0.11 | 7.5 | 20 | 0.25915 | 0.2 | 0.036 | 0.0093294 |
| | 0.60 | 0.18 | 0.11 | 7.25 | 20 | 0.250645 | 0.2 | 0.036 | 0.00902322 |
| | 0.40 | 0.16 | 0.10 | 6 | 20 | 0.20812 | 0.2 | 0.032 | 0.00665984 |
| | 0.20 | 0.11 | 0.07 | 3.5 | 20 | 0.12307 | 0.2 | 0.022 | 0.00270754 |
| LHB | 0.00 | | | | | | | | |
| | | | | | | | | Total Discharge = | 0.1084 m ³ /sec |

| W-11 June 7, 2006 | | | | | | | | | |
|-------------------|----------|------------------|----------------------|------|----------|----------|---------------|-------------------|---------------------------------|
| Bank | Distance | Depth of Channel | Depth of Measurement | Revs | Time (s) | Velocity | Average Width | Area | Q |
| RHB | 1.95 | | | | | | | | |
| | 1.85 | 0.08 | 0.05 | 3.25 | 20 | 0.114565 | 0.1 | 0.008 | 0.00091652 |
| | 1.75 | 0.12 | 0.07 | 3.25 | 20 | 0.114565 | 0.1 | 0.012 | 0.00137478 |
| | 1.65 | 0.12 | 0.07 | 3.25 | 20 | 0.114565 | 0.125 | 0.015 | 0.001718475 |
| | 1.5 | 0.13 | 0.08 | 2.5 | 20 | 0.08905 | 0.15 | 0.0195 | 0.001736475 |
| | 1.35 | 0.16 | 0.10 | 4.25 | 20 | 0.148585 | 0.15 | 0.024 | 0.00356604 |
| | 1.2 | 0.18 | 0.11 | 7 | 20 | 0.24214 | 0.15 | 0.027 | 0.00653778 |
| | 1.05 | 0.21 | 0.13 | 12 | 20 | 0.41224 | 0.15 | 0.0315 | 0.01298556 |
| | 0.9 | 0.19 | 0.11 | 13.5 | 20 | 0.46327 | 0.15 | 0.0285 | 0.013203195 |
| | 0.75 | 0.18 | 0.11 | 11 | 20 | 0.37822 | 0.15 | 0.027 | 0.01021194 |
| | 0.6 | 0.09 | 0.05 | 7.5 | 20 | 0.25915 | 0.15 | 0.0135 | 0.003498525 |
| | 0.45 | 0.09 | 0.05 | 7.75 | 20 | 0.267655 | 0.15 | 0.0135 | 0.003613343 |
| | 0.3 | 0.03 | 0.02 | 5.5 | 20 | 0.19111 | 0.225 | 0.00675 | 0.001289993 |
| LHB | 0 | | | | | | | | |
| | | | | | | | | Total Discharge = | 0.060652625 m ³ /sec |

Project Proposal for the Carmacks Copper Project
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| W-12 June 7, 2006 | | | | | | | | | |
|-------------------|----------|------------------|----------------------|-------|----------|----------|---------------|--------|--------------------------------|
| Bank | Distance | Depth of Channel | Depth of Measurement | Revs | Time (s) | Velocity | Average Width | Area | Q |
| RHB | 2.20 | | | | | | | | |
| | 2.10 | 0.24 | 0.14 | 3.75 | 20 | 0.131575 | 0.125 | 0.03 | 0.00394725 |
| | 1.95 | 0.2 | 0.12 | 5.75 | 20 | 0.199615 | 0.15 | 0.03 | 0.00598845 |
| | 1.80 | 0.2 | 0.12 | 3.75 | 20 | 0.131575 | 0.15 | 0.03 | 0.00394725 |
| | 1.65 | 0.18 | 0.11 | 4 | 20 | 0.14008 | 0.15 | 0.027 | 0.00378216 |
| | 1.50 | 0.17 | 0.10 | 6.25 | 20 | 0.216625 | 0.15 | 0.0255 | 0.005523938 |
| | 1.35 | 0.14 | 0.08 | 7 | 20 | 0.24214 | 0.15 | 0.021 | 0.00508494 |
| | 1.20 | 0.16 | 0.10 | 7.25 | 20 | 0.250645 | 0.15 | 0.024 | 0.00601548 |
| | 1.05 | 0.2 | 0.12 | 7.25 | 20 | 0.250645 | 0.15 | 0.03 | 0.00751935 |
| | 0.90 | 0.22 | 0.13 | 9 | 20 | 0.31018 | 0.15 | 0.033 | 0.01023594 |
| | 0.75 | 0.26 | 0.16 | 10.25 | 20 | 0.352705 | 0.15 | 0.039 | 0.013755495 |
| | 0.60 | 0.23 | 0.14 | 11 | 20 | 0.37822 | 0.1 | 0.023 | 0.00869906 |
| | 0.55 | 0.22 | 0.13 | 11 | 20 | 0.37822 | 0.1 | 0.022 | 0.00832084 |
| | 0.40 | 0.21 | 0.13 | 8.75 | 20 | 0.301675 | 0.15 | 0.0315 | 0.009502763 |
| | 0.25 | 0.2 | 0.12 | 9.25 | 20 | 0.318685 | 0.15 | 0.03 | 0.00956055 |
| | 0.10 | 0.18 | 0.11 | 8.5 | 20 | 0.29317 | 0.125 | 0.0225 | 0.006596325 |
| LHB | 0.00 | | | | | | | | |
| Total Discharge = | | | | | | | | | 0.10847979 m ³ /sec |

| W-13 June 7, 2006 | | | | | | | | | |
|-------------------|----------|------------------|----------------------|------|----------|-------------|---------------|-------|--------------------------------|
| Bank | Distance | Depth of Channel | Depth of Measurement | Revs | Time (s) | Velocity | Average Width | Area | Q |
| RBH | 2.1 | | | | | | | | |
| | 2 | 0.12 | 0.07 | 7.5 | 20 | 0.2592625 | 0.1 | 0.012 | 0.00311115 |
| | 1.9 | 0.14 | 0.08 | 4.75 | 20 | 0.16566625 | 0.1 | 0.014 | 0.002319328 |
| | 1.8 | 0.14 | 0.08 | 3.75 | 20 | 0.13163125 | 0.15 | 0.021 | 0.002764256 |
| | 1.6 | 0.16 | 0.10 | 2 | 23 | 0.063191304 | 0.2 | 0.032 | 0.002022122 |
| | 1.4 | 0.17 | 0.10 | 2 | 30 | 0.04938 | 0.2 | 0.034 | 0.00167892 |
| | 1.2 | 0.21 | 0.13 | 4 | 20 | 0.14014 | 0.2 | 0.042 | 0.00588588 |
| | 1 | 0.19 | 0.11 | 6 | 20 | 0.20821 | 0.2 | 0.038 | 0.00791198 |
| | 0.8 | 0.22 | 0.13 | 5 | 20 | 0.174175 | 0.2 | 0.044 | 0.0076637 |
| | 0.6 | 0.25 | 0.15 | 4.5 | 20 | 0.1571575 | 0.2 | 0.05 | 0.007857875 |
| | 0.4 | 0.24 | 0.14 | 3.75 | 20 | 0.13163125 | 0.2 | 0.048 | 0.0063183 |
| | 0.2 | 0.25 | 0.15 | 2 | 20 | 0.07207 | 0.2 | 0.05 | 0.0036035 |
| LBH | 0 | | | | | | | | |
| Total Discharge = | | | | | | | | | 0.05113701 m ³ /sec |

Project Proposal for the Carmacks Copper Project
 Appendix H1 - Summary of Flow Measurements Recorded in June and July 2006

| W-2 July 13, 2006 | | | | | | | | | |
|-------------------|----------|------------------|----------------------|------|----------|-------------|---------------|---------|--------------------------------|
| Bank | Distance | Depth of Channel | Depth of Measurement | Revs | Time (s) | Velocity | Average Width | Area | Q |
| RHB | 3.34 | | | | | | | | |
| | 3.15 | 0.14 | 0.08 | 2 | 107 | 0.016717757 | 0.12 | 0.0168 | 0.000280858 |
| | 3.10 | 0.16 | 0.10 | 2 | 44 | 0.034927273 | 0.05 | 0.008 | 0.000279418 |
| | 3.05 | 0.2 | 0.12 | 6 | 42 | 0.1012 | 0.05 | 0.01 | 0.001012 |
| | 3.00 | 0.24 | 0.14 | 4 | 37 | 0.077556757 | 0.05 | 0.012 | 0.000930681 |
| | 2.95 | 0.24 | 0.14 | 4 | 39 | 0.073784615 | 0.05 | 0.012 | 0.000885415 |
| | 2.90 | 0.24 | 0.14 | 4 | 41 | 0.070380488 | 0.05 | 0.012 | 0.000844566 |
| | 2.85 | 0.24 | 0.14 | 3 | 37 | 0.059167568 | 0.05 | 0.012 | 0.000710011 |
| | 2.80 | 0.24 | 0.14 | 3 | 36 | 0.0607 | 0.05 | 0.012 | 0.0007284 |
| | 2.75 | 0.24 | 0.14 | 2 | 30 | 0.04936 | 0.05 | 0.012 | 0.00059232 |
| | 2.70 | 0.22 | 0.13 | 2 | 27 | 0.0544 | 0.1 | 0.022 | 0.0011968 |
| | 2.55 | 0.11 | 0.07 | 2 | 36 | 0.0418 | 0.125 | 0.01375 | 0.00057475 |
| | 2.45 | 0.08 | 0.05 | 2 | 34 | 0.044023529 | 1.275 | 0.102 | 0.0044904 |
| LHB | 2.34 | | | | | | | | |
| Total Discharge = | | | | | | | | | 0.01252562 m ³ /sec |

| W-4 July 13, 2006 | | | | | | | | | |
|-------------------|----------|------------------|----------------------|------|----------|----------|---------------|--------|--------------------------------|
| Bank | Distance | Depth of Channel | Depth of Measurement | Revs | Time (s) | Velocity | Average Width | Area | Q |
| LHB | 0.98 | | | | | | | | |
| | 0.94 | 0.27 | 0.16 | 43 | 4 | 7.3183 | 0.03 | 0.0081 | 0.05927823 |
| | 0.92 | 0.27 | 0.16 | 35 | 3 | 7.942 | 0.02 | 0.0054 | 0.0428868 |
| | 0.90 | 0.27 | 0.16 | 36 | 4 | 6.1276 | 0.02 | 0.0054 | 0.03308904 |
| | 0.88 | 0.27 | 0.16 | 29 | 4 | 4.9369 | 0.02 | 0.0054 | 0.02665926 |
| | 0.86 | 0.28 | 0.17 | 22 | 4 | 3.7462 | 0.02 | 0.0056 | 0.02097872 |
| | 0.84 | 0.28 | 0.17 | 25 | 4 | 4.2565 | 0.02 | 0.0056 | 0.0238364 |
| | 0.82 | 0.28 | 0.17 | 34 | 6 | 3.8596 | 0.02 | 0.0056 | 0.02161376 |
| | 0.80 | 0.27 | 0.16 | 23 | 4 | 3.9163 | 0.02 | 0.0054 | 0.02114802 |
| | 0.78 | 0.26 | 0.16 | 30 | 4 | 5.107 | 0.02 | 0.0052 | 0.0265564 |
| | 0.76 | 0.26 | 0.16 | 32 | 4 | 5.4472 | 0.02 | 0.0052 | 0.02832544 |
| | 0.74 | 0.27 | 0.16 | 30 | 4 | 5.107 | 0.02 | 0.0054 | 0.0275778 |
| | 0.72 | 0.26 | 0.16 | 26 | 4 | 4.4266 | 0.02 | 0.0052 | 0.02301832 |
| | 0.70 | 0.24 | 0.14 | 21 | 4 | 3.5761 | 0.36 | 0.0864 | 0.30897504 |
| RHB | 0.68 | | | | | | | | |
| Total Discharge = | | | | | | | | | 0.66394323 m ³ /sec |

| W-6 July 13, 2006 | | | | | | | | | |
|-------------------|----------|------------------|----------------------|------|----------|-------------|---------------|--------|---------------------------------|
| Bank | Distance | Depth of Channel | Depth of Measurement | Revs | Time (s) | Velocity | Average Width | Area | Q |
| RHB | 1.48 | | | | | | | | |
| | 1.30 | 0.04 | 0.02 | 10 | 33.03 | 0.20999455 | 0.115 | 0.0046 | 0.000965975 |
| | 1.25 | 0.04 | 0.02 | 10 | 29.45 | 0.235035654 | 0.05 | 0.002 | 0.000470071 |
| | 1.20 | 0.04 | 0.02 | 10 | 28.45 | 0.243156415 | 0.035 | 0.0014 | 0.000340419 |
| | 1.18 | 0.06 | 0.04 | 10 | 38.25 | 0.181882353 | 0.025 | 0.0015 | 0.000272824 |
| | 1.15 | 0.1 | 0.06 | 7 | 25.16 | 0.193300477 | 0.035 | 0.0035 | 0.000676552 |
| | 1.11 | 0.1 | 0.06 | 7 | 24.24 | 0.200485149 | 0.04 | 0.004 | 0.000801941 |
| | 1.07 | 0.1 | 0.06 | 6 | 28.62 | 0.146641509 | 0.045 | 0.0045 | 0.000659887 |
| | 1.02 | 0.12 | 0.07 | 4 | 31.18 | 0.091286722 | 0.045 | 0.0054 | 0.000492948 |
| | 0.98 | 0.12 | 0.07 | 4 | 39.6 | 0.072727273 | 0.04 | 0.0048 | 0.000349091 |
| | 0.94 | 0.1 | 0.06 | 4 | 30.79 | 0.092392335 | 0.045 | 0.0045 | 0.000415766 |
| | 0.89 | 0.06 | 0.04 | 5 | 37.96 | 0.093620653 | 0.055 | 0.0033 | 0.000308948 |
| | 0.83 | 0.06 | 0.04 | 3 | 35.1 | 0.062153846 | 0.445 | 0.0267 | 0.001659508 |
| LHB | 0.80 | | | | | | | | |
| Total Discharge = | | | | | | | | | 0.007413928 m ³ /sec |

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| W-9 July 13, 2006 | | | | | | | | | |
|-------------------|----------|------------------|----------------------|------|----------|-------------|---------------|--------|---------------------------------|
| Bank | Distance | Depth of Channel | Depth of Measurement | Revs | Time (s) | Velocity | Average Width | Area | Q |
| RHB | 1.10 | | | | | | | | |
| | 0.87 | 0.24 | 0.14 | 4 | 26 | 0.108676923 | 0.125 | 0.03 | 0.003260308 |
| | 0.85 | 0.26 | 0.16 | 4 | 32 | 0.08905 | 0.02 | 0.0052 | 0.00046306 |
| | 0.83 | 0.24 | 0.14 | 4 | 28 | 0.1012 | 0.02 | 0.0048 | 0.00048576 |
| | 0.81 | 0.26 | 0.16 | 5 | 23 | 0.151913043 | 0.02 | 0.0052 | 0.000789948 |
| | 0.79 | 0.24 | 0.14 | 5 | 25 | 0.14008 | 0.015 | 0.0036 | 0.000504288 |
| | 0.78 | 0.24 | 0.14 | 5 | 21 | 0.166 | 0.01 | 0.0024 | 0.0003984 |
| | 0.77 | 0.24 | 0.14 | 8 | 31 | 0.179587097 | 0.01 | 0.0024 | 0.000431009 |
| | 0.76 | 0.22 | 0.13 | 5 | 19 | 0.183052632 | 0.015 | 0.0033 | 0.000604074 |
| | 0.74 | 0.24 | 0.14 | 6 | 18 | 0.2308 | 0.02 | 0.0048 | 0.00110784 |
| | 0.72 | 0.22 | 0.13 | 5 | 28 | 0.1255 | 0.03 | 0.0066 | 0.0008283 |
| | 0.68 | 0.22 | 0.13 | 2 | 35 | 0.04288 | 0.36 | 0.0792 | 0.003396096 |
| LHB | 0.60 | | | | | | | | |
| Total Discharge = | | | | | | | | | 0.012269082 m ³ /sec |

| W-10 July 12, 2006 | | | | | | | | | |
|--------------------|--------------|------------------|----------------------|------|----------|-------------|---------------|--------|----------------------------|
| Bank | Distance (m) | Depth of Channel | Depth of Measurement | Revs | Time (s) | Velocity | Average Width | Area | Q |
| RHB | 2.83 | | | | | | | | |
| | 2.45 | 0.14 | 0.08 | 2 | 58 | 0.027462069 | 0.265 | 0.0371 | 0.001018843 |
| | 2.30 | 0.18 | 0.11 | 2 | 68 | 0.024011765 | 0.15 | 0.027 | 0.000648318 |
| | 2.15 | 0.22 | 0.13 | 2 | 53 | 0.029675472 | 0.15 | 0.033 | 0.000979291 |
| | 2.00 | 0.24 | 0.14 | 5 | 72 | 0.05125 | 0.15 | 0.036 | 0.001845 |
| | 1.85 | 0.26 | 0.16 | 5 | 52 | 0.069423077 | 0.175 | 0.0455 | 0.00315875 |
| | 1.65 | 0.28 | 0.17 | 5 | 30 | 0.1174 | 0.175 | 0.049 | 0.0057526 |
| | 1.50 | 0.26 | 0.16 | 10 | 44 | 0.158636364 | 0.15 | 0.039 | 0.006186818 |
| | 1.35 | 0.28 | 0.17 | 10 | 44 | 0.158636364 | 0.15 | 0.042 | 0.006662727 |
| | 1.20 | 0.32 | 0.19 | 10 | 71 | 0.099830986 | 0.15 | 0.048 | 0.004791887 |
| | 1.05 | 0.32 | 0.19 | 10 | 59 | 0.119322034 | 0.15 | 0.048 | 0.005727458 |
| | 0.90 | 0.32 | 0.19 | 10 | 70 | 0.1012 | 0.15 | 0.048 | 0.0048576 |
| | 0.75 | 0.24 | 0.14 | 10 | 48 | 0.14575 | 0.45 | 0.108 | 0.015741 |
| LHB | 0.68 | | | | | | | | |
| Total Discharge = | | | | | | | | | 0.0574 m ³ /sec |

| W-11 July 12, 2006 | | | | | | | | | |
|--------------------|----------|------------------|----------------------|------|----------|-------------|---------------|--------|---------------------------------|
| Bank | Distance | Depth of Channel | Depth of Measurement | Revs | Time (s) | Velocity | Average Width | Area | Q |
| RHB | 3.25 | | | | | | | | |
| | 3 | 0.12 | 0.07 | 10 | 39 | 0.178461538 | 0.2 | 0.024 | 0.004283077 |
| | 2.85 | 0.12 | 0.07 | 10 | 35 | 0.1984 | 0.15 | 0.018 | 0.0035712 |
| | 2.7 | 0.14 | 0.08 | 10 | 41 | 0.16995122 | 0.15 | 0.021 | 0.003568976 |
| | 2.55 | 0.16 | 0.10 | 10 | 31 | 0.223483871 | 0.15 | 0.024 | 0.005363613 |
| | 2.4 | 0.16 | 0.10 | 10 | 32 | 0.216625 | 0.15 | 0.024 | 0.005199 |
| | 2.25 | 0.16 | 0.10 | 10 | 39 | 0.178461538 | 0.15 | 0.024 | 0.004283077 |
| | 2.1 | 0.18 | 0.11 | 10 | 57 | 0.123368421 | 0.15 | 0.027 | 0.003330947 |
| | 1.95 | 0.18 | 0.11 | 10 | 68 | 0.104058824 | 0.15 | 0.027 | 0.002809588 |
| | 1.8 | 0.12 | 0.07 | 10 | 39 | 0.178461538 | 0.15 | 0.018 | 0.003212308 |
| | 1.65 | 0.1 | 0.06 | 10 | 48 | 0.14575 | 0.15 | 0.015 | 0.00218625 |
| | 1.5 | 0.14 | 0.08 | 10 | 63 | 0.112 | 0.15 | 0.021 | 0.002352 |
| | 1.35 | 0.1 | 0.06 | 1 | 32 | 0.0252625 | 0.15 | 0.015 | 0.000378938 |
| | 1.2 | 0.16 | 0.10 | 10 | 45 | 0.1552 | 0.19 | 0.0304 | 0.00471808 |
| LHB | 0.97 | | | | | | | | |
| Total Discharge = | | | | | | | | | 0.045257053 m ³ /sec |

Project Proposal for the Carmacks Copper Project
 Appendix H1 - Summary of Flow Measurements Recorded in June and July 2006

| W-12 July 12, 2006 | | | | | | | | | |
|--------------------|----------|------------------|----------------------|------|----------|-------------|---------------|--------|---------------------------------|
| Bank | Distance | Depth of Channel | Depth of Measurement | Revs | Time (s) | Velocity | Average Width | Area | Q |
| RHB | 2.80 | | | | | | | | |
| | 2.65 | 0.16 | 0.10 | 2 | 29 | 0.050924138 | 0.175 | 0.028 | 0.001425876 |
| | 2.45 | 0.2 | 0.12 | 2 | 49 | 0.031771429 | 0.175 | 0.035 | 0.001112 |
| | 2.30 | 0.2 | 0.12 | 2 | 26 | 0.056338462 | 0.15 | 0.03 | 0.001690154 |
| | 2.15 | 0.24 | 0.14 | 5 | 48 | 0.074875 | 0.15 | 0.036 | 0.0026955 |
| | 2.00 | 0.28 | 0.17 | 5 | 28 | 0.1255 | 0.15 | 0.042 | 0.005271 |
| | 1.85 | 0.24 | 0.14 | 5 | 36 | 0.0985 | 0.15 | 0.036 | 0.003546 |
| | 1.70 | 0.2 | 0.12 | 5 | 42 | 0.085 | 0.175 | 0.035 | 0.002975 |
| | 1.50 | 0.16 | 0.10 | 10 | 10 | 0.6844 | 0.175 | 0.028 | 0.0191632 |
| | 1.35 | 0.12 | 0.07 | 10 | 16 | 0.42925 | 0.15 | 0.018 | 0.0077265 |
| | 1.20 | 0.1 | 0.06 | 10 | 15 | 0.4576 | 0.175 | 0.0175 | 0.008008 |
| | 1.00 | 0.12 | 0.07 | 2 | 33 | 0.045236364 | 0.2 | 0.024 | 0.001085673 |
| | 0.80 | 0.12 | 0.07 | 2 | 38 | 0.039810526 | 0.2 | 0.024 | 0.000955453 |
| | 0.60 | 0.14 | 0.08 | 10 | 42 | 0.166 | 0.4 | 0.056 | 0.009296 |
| LHB | 0.45 | | | | | | | | |
| Total Discharge = | | | | | | | | | 0.064950355 m ³ /sec |

| W-13 July 12, 2006 | | | | | | | | | |
|--------------------|----------|------------------|----------------------|------|----------|-------------|---------------|-------|---------------------------------|
| Bank | Distance | Depth of Channel | Depth of Measurement | Revs | Time (s) | Velocity | Average Width | Area | Q |
| RBH | 1.95 | | | | | | | | |
| | 1.9 | 0.2 | 0.12 | 5 | 37 | 0.095986486 | 0.075 | 0.015 | 0.001439797 |
| | 1.8 | 0.2 | 0.12 | 5 | 51 | 0.070735294 | 0.1 | 0.02 | 0.001414706 |
| | 1.7 | 0.2 | 0.12 | 3 | 44 | 0.050411364 | 0.2 | 0.04 | 0.002016455 |
| | 1.4 | 0.12 | 0.07 | 5 | 25 | 0.14014 | 0.2 | 0.024 | 0.00336336 |
| | 1.3 | 0.14 | 0.08 | 5 | 45 | 0.079633333 | 0.1 | 0.014 | 0.001114867 |
| | 1.2 | 0.16 | 0.10 | 5 | 59 | 0.061686441 | 0.1 | 0.016 | 0.000986983 |
| | 1.1 | 0.14 | 0.08 | 10 | 82 | 0.087012195 | 0.1 | 0.014 | 0.001218171 |
| | 1 | 0.12 | 0.07 | 10 | 45 | 0.155266667 | 0.1 | 0.012 | 0.0018632 |
| | 0.9 | 0.2 | 0.12 | 10 | 51 | 0.137470588 | 0.15 | 0.03 | 0.004124118 |
| | 0.7 | 0.2 | 0.12 | 5 | 38 | 0.093565789 | 0.15 | 0.03 | 0.002806974 |
| | 0.6 | 0.2 | 0.12 | 2 | 46 | 0.033595652 | 0.225 | 0.045 | 0.001511804 |
| LBH | 0.25 | | | | | | | | |
| Total Discharge = | | | | | | | | | 0.021860434 m ³ /sec |