

| Reach | River Sta | Profile | Q Total (m3/s) | Min Ch El (m) | W.S. Elev (m) | Crit W.S. (m) | E.G. Elev (m) | E.G. Slope (m/m) | Vel Chnl (m/s) | Flow Area (m2) | Top Width (m) | Froude # Chl |
|---------------|-----------|---------|-------------------|------------------|------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| Alignment - 1 | 3419.13 | 100yr | 30.00 | 29.90 | 30.95 | 30.50 | 30.98 | 0.000712 | 0.72 | 55.94 | 93.97 | 0.25 |
| Alignment - 1 | 3419.13 | 10yr | 13.00 | 29.90 | 30.66 | 30.31 | 30.67 | 0.000683 | 0.52 | 30.67 | 81.91 | 0.23 |
| Alignment - 1 | 3400 | 100yr | 30.00 | 29.97 | 30.92 | | 30.95 | 0.002135 | 1.26 | 53.00 | 112.98 | 0.44 |
| Alignment - 1 | 3400 | 10yr | 13.00 | 29.97 | 30.62 | | 30.65 | 0.002400 | 1.00 | 25.77 | 75.69 | 0.43 |
| Alignment - 1 | 3300 | 100yr | 30.00 | 29.47 | 30.26 | 30.17 | 30.49 | 0.014625 | 2.82 | 23.89 | 84.82 | 1.09 |
| Alignment - 1 | 3300 | 10yr | 13.00 | 29.47 | 30.09 | 30.09 | 30.21 | 0.009916 | 1.92 | 12.84 | 50.46 | 0.86 |
| Alignment - 1 | 3200 | 100yr | 30.00 | 28.63 | 29.67 | 29.58 | 29.76 | 0.003983 | 1.54 | 32.67 | 96.09 | 0.58 |
| Alignment - 1 | 3200 | 10yr | 13.00 | 28.63 | 29.43 | 29.30 | 29.51 | 0.004204 | 1.23 | 13.53 | 57.03 | 0.56 |
| Alignment - 1 | 3100 | 100yr | 30.00 | 28.03 | 28.96 | 28.96 | 29.16 | 0.009459 | 2.23 | 20.51 | 62.30 | 0.88 |
| Alignment - 1 | 3100 | 10yr | 13.00 | 28.03 | 28.73 | 28.73 | 28.87 | 0.010206 | 1.75 | 9.48 | 39.82 | 0.85 |
| Alignment - 1 | 3000 | 100yr | 30.00 | 27.70 | 28.59 | 28.37 | 28.66 | 0.002691 | 1.20 | 35.46 | 111.38 | 0.47 |
| Alignment - 1 | 3000 | 10yr | 13.00 | 27.70 | 28.38 | | 28.41 | 0.002352 | 0.86 | 16.57 | 50.47 | 0.41 |
| Alignment - 1 | 2900 | 100yr | 30.00 | 27.52 | 28.34 | | 28.39 | 0.002615 | 1.16 | 44.85 | 123.55 | 0.46 |
| Alignment - 1 | 2900 | 10yr | 13.00 | 27.52 | 28.15 | 28.00 | 28.18 | 0.002202 | 0.85 | 24.14 | 100.01 | 0.40 |
| Alignment - 1 | 2800 | 100yr | 30.00 | 27.24 | 27.92 | 27.88 | 28.01 | 0.005936 | 1.55 | 34.86 | 124.68 | 0.67 |
| Alignment - 1 | 2800 | 10yr | 13.00 | 27.24 | 27.74 | 27.69 | 27.81 | 0.007293 | 1.30 | 14.83 | 82.36 | 0.70 |
| Alignment - 1 | 2500 | 100yr | 30.00 | 26.33 | 27.09 | | 27.10 | 0.001747 | 0.92 | 70.81 | 196.96 | 0.37 |
| Alignment - 1 | 2500 | 10yr | 13.00 | 26.33 | 26.93 | | 26.94 | 0.001503 | 0.70 | 40.89 | 175.66 | 0.33 |
| Alignment - 1 | 2400 | 100yr | 30.00 | 26.19 | 26.59 | 26.59 | 26.68 | 0.020909 | 1.92 | 30.72 | 162.86 | 1.14 |
| Alignment - 1 | 2400 | 10yr | 13.00 | 26.19 | 26.50 | 26.50 | 26.56 | 0.020049 | 1.47 | 17.15 | 143.50 | 1.05 |
| Alignment - 1 | 2300 | 100yr | 30.00 | 24.82 | 25.96 | 25.71 | 26.01 | 0.002213 | 1.11 | 40.85 | 114.73 | 0.43 |
| Alignment - 1 | 2300 | 10yr | 13.00 | 24.82 | 25.76 | 25.43 | 25.79 | 0.001296 | 0.75 | 23.58 | 74.15 | 0.32 |
| Alignment - 1 | 2200 | 100yr | 30.00 | 25.09 | 25.68 | 25.59 | 25.71 | 0.003906 | 1.02 | 54.44 | 222.37 | 0.52 |
| Alignment - 1 | 2200 | 10yr | 13.00 | 25.09 | 25.50 | | 25.54 | 0.006934 | 1.01 | 20.05 | 115.51 | 0.64 |
| Alignment - 1 | 2100 | 100yr | 30.00 | 24.41 | 25.39 | | 25.41 | 0.002311 | 1.06 | 54.54 | 126.62 | 0.43 |
| Alignment - 1 | 2100 | 10yr | 13.00 | 24.41 | 25.20 | | 25.21 | 0.001832 | 0.79 | 32.04 | 106.72 | 0.36 |
| Alignment - 1 | 2000 | 100yr | 30.00 | 23.82 | 24.88 | 24.88 | 25.01 | 0.007816 | 1.94 | 29.09 | 121.75 | 0.79 |
| Alignment - 1 | 2000 | 10yr | 13.00 | 23.82 | 24.66 | 24.66 | 24.83 | 0.010518 | 1.85 | 8.02 | 62.11 | 0.87 |
| Alignment - 1 | 1900 | 100yr | 30.00 | 23.14 | 24.24 | 24.09 | 24.25 | 0.001554 | 0.65 | 85.47 | 300.59 | 0.33 |
| Alignment - 1 | 1900 | 10yr | 13.00 | 23.14 | 24.11 | 24.00 | 24.12 | 0.001153 | 0.52 | 49.22 | 239.24 | 0.28 |
| Alignment - 1 | 1800 | 100yr | 30.00 | 22.44 | 23.73 | 23.73 | 23.91 | 0.010475 | 2.20 | 25.62 | 269.04 | 0.90 |
| Alignment - 1 | 1800 | 10yr | 13.00 | 22.44 | 23.69 | 23.49 | 23.74 | 0.002834 | 1.11 | 21.33 | 245.72 | 0.46 |
| Alignment - 1 | 1700 | 100yr | 30.00 | 22.56 | 23.42 | 23.42 | 23.46 | 0.003320 | 1.14 | 49.81 | 163.05 | 0.50 |
| Alignment - 1 | 1700 | 10yr | 13.00 | 22.56 | 23.37 | 23.17 | 23.43 | 0.003233 | 1.06 | 12.91 | 153.67 | 0.49 |
| Alignment - 1 | 1600 | 100yr | 30.00 | 21.97 | 22.90 | 22.90 | 22.91 | 0.001373 | 0.72 | 73.46 | 195.11 | 0.32 |
| Alignment - 1 | 1600 | 10yr | 13.00 | 21.97 | 22.64 | 22.64 | 22.81 | 0.015282 | 1.84 | 7.07 | 105.66 | 1.00 |
| Alignment - 1 | 1493.49 | 100yr | 30.00 | 20.84 | 22.15 | 21.88 | 22.24 | 0.002653 | 1.37 | 31.47 | 76.48 | 0.48 |
| Alignment - 1 | 1493.49 | 10yr | 13.00 | 20.84 | 21.84 | 21.56 | 21.90 | 0.002661 | 1.07 | 13.13 | 33.81 | 0.45 |
| Alignment - 1 | 1400 | 100yr | 30.00 | 20.43 | 21.66 | 21.60 | 21.83 | 0.007761 | 1.88 | 18.39 | 60.25 | 0.78 |
| Alignment - 1 | 1400 | 10yr | 13.00 | 20.43 | 21.43 | 21.29 | 21.53 | 0.006531 | 1.36 | 9.86 | 32.77 | 0.67 |
| Alignment - 1 | 1300 | 100yr | 30.00 | 20.23 | 21.41 | | 21.46 | 0.001847 | 1.05 | 37.40 | 93.73 | 0.39 |
| Alignment - 1 | 1300 | 10yr | 13.00 | 20.23 | 21.11 | | 21.14 | 0.002357 | 0.86 | 15.89 | 45.50 | 0.41 |
| Alignment - 1 | 1200 | 100yr | 30.00 | 19.87 | 21.14 | | 21.21 | 0.003610 | 1.20 | 24.96 | 47.48 | 0.52 |
| Alignment - 1 | 1200 | 10yr | 13.00 | 19.87 | 20.80 | | 20.86 | 0.003583 | 1.03 | 12.65 | 29.53 | 0.50 |
| Alignment - 1 | 1100 | 100yr | 30.00 | 19.45 | 20.87 | | 20.92 | 0.002273 | 1.05 | 36.00 | 81.85 | 0.43 |
| Alignment - 1 | 1100 | 10yr | 13.00 | 19.45 | 20.54 | | 20.58 | 0.002174 | 0.89 | 16.28 | 42.14 | 0.40 |
| Alignment - 1 | 1000 | 100yr | 30.00 | 19.23 | 20.72 | 20.32 | 20.76 | 0.001127 | 0.95 | 51.26 | 144.54 | 0.32 |
| Alignment - 1 | 1000 | 10yr | 13.00 | 19.23 | 20.34 | 20.01 | 20.38 | 0.001768 | 0.85 | 17.20 | 55.07 | 0.37 |
| Alignment - 1 | 900 | 100yr | 30.00 | 18.65 | 20.44 | 20.16 | 20.55 | 0.004734 | 1.56 | 29.79 | 263.23 | 0.61 |
| Alignment - 1 | 900 | 10yr | 13.00 | 18.65 | 20.04 | 19.73 | 20.13 | 0.003534 | 1.38 | 9.40 | 40.52 | 0.53 |
| Alignment - 1 | 794.45 | 100yr | 30.00 | 18.25 | 20.15 | 19.90 | 20.21 | 0.002142 | 1.21 | 39.39 | 106.80 | 0.43 |
| Alignment - 1 | 794.45 | 10yr | 13.00 | 18.25 | 19.76 | 19.29 | 19.82 | 0.002347 | 1.14 | 11.56 | 23.17 | 0.44 |
| Alignment - 1 | 700 | 100yr | 30.00 | 18.28 | 19.68 | 19.50 | 19.87 | 0.006758 | 1.91 | 16.17 | 77.76 | 0.74 |
| Alignment - 1 | 700 | 10yr | 13.00 | 18.28 | 19.58 | 19.13 | 19.63 | 0.001666 | 0.96 | 13.59 | 50.90 | 0.37 |
| Alignment - 1 | 600 | 100yr | 30.00 | 17.74 | 19.67 | 19.21 | 19.68 | 0.000569 | 0.61 | 106.00 | 312.33 | 0.22 |
| Alignment - 1 | 600 | 10yr | 13.00 | 17.74 | 19.47 | 18.80 | 19.50 | 0.000998 | 0.66 | 21.23 | 234.29 | 0.28 |
| Alignment - 1 | 500 | 100yr | 30.00 | 18.21 | 19.38 | 19.38 | 19.53 | 0.007444 | 1.81 | 24.61 | 187.12 | 0.76 |
| Alignment - 1 | 500 | 10yr | 13.00 | 18.21 | 19.04 | 19.04 | 19.23 | 0.014990 | 1.91 | 6.80 | 21.86 | 1.00 |

HEC-RAS Plan: Plan 02 River: Kfar Bara Reach: Alignment - 1 (Continued)

| Reach | River Sta | Profile | Q Total (m3/s) | Min Ch El (m) | W.S. Elev (m) | Crit W.S. (m) | E.G. Elev (m) | E.G. Slope (m/m) | Vel Chnl (m/s) | Flow Area (m2) | Top Width (m) | Froude # Chl |
|---------------|-----------|---------|-------------------|------------------|------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| Alignment - 1 | 400 | 100yr | 30.00 | 17.16 | 18.93 | 18.44 | 19.01 | 0.001825 | 1.26 | 29.08 | 225.17 | 0.41 |
| Alignment - 1 | 400 | 10yr | 13.00 | 17.16 | 18.66 | 18.09 | 18.69 | 0.001018 | 0.79 | 16.82 | 114.28 | 0.29 |
| Alignment - 1 | 300 | 100yr | 30.00 | 17.85 | 18.50 | 18.50 | 18.64 | 0.009919 | 1.79 | 24.30 | 94.60 | 0.85 |
| Alignment - 1 | 300 | 10yr | 13.00 | 17.85 | 18.32 | 18.32 | 18.43 | 0.013527 | 1.52 | 9.74 | 54.41 | 0.91 |
| Alignment - 1 | 189.69 | 100yr | 30.00 | 16.07 | 18.38 | 17.68 | 18.40 | 0.000510 | 0.81 | 70.12 | 137.16 | 0.22 |
| Alignment - 1 | 189.69 | 10yr | 13.00 | 16.07 | 17.86 | 17.13 | 17.89 | 0.000972 | 0.80 | 20.20 | 58.10 | 0.29 |
| Alignment - 1 | 100 | 100yr | 30.00 | 16.79 | 18.32 | 17.75 | 18.35 | 0.000671 | 0.82 | 56.54 | 100.79 | 0.25 |
| Alignment - 1 | 100 | 10yr | 13.00 | 16.79 | 17.49 | 17.49 | 17.65 | 0.015894 | 1.78 | 7.30 | 22.81 | 1.01 |