

## Sediment Analysis Data Sheet

## Sample 5G

| Sieve | Size<br>(mm) | Phi<br>size | Wt    | Wt<br>% | Cuml<br>% | Folk    | Statistics |       |      |
|-------|--------------|-------------|-------|---------|-----------|---------|------------|-------|------|
|       |              |             |       |         |           |         | phi        | mm    |      |
| 5/8   | 16.00        | -4.00       | 0.00  | 0.00    | 0.00      |         |            |       |      |
| 1/2   | 11.31        | -3.50       | 0.00  | 0.00    | 0.00      |         |            |       |      |
| 5/16  | 8.00         | -3.00       | 0.00  | 0.00    | 0.00      |         |            |       |      |
| 1/4   | 5.66         | -2.50       | 0.00  | 0.00    | 0.00      | 5% :    | 0.63       | 0.65  |      |
| 5     | 4.00         | -2.00       | 0.00  | 0.00    | 0.00      | 16% :   | 1.01       | 0.50  |      |
| 7     | 2.83         | -1.50       | 0.00  | 0.00    | 0.00      | 25% :   | 1.15       | 0.45  |      |
| 10    | 2.00         | -1.00       | 0.00  | 0.00    | 0.00      | 50% :   | 1.53       | 0.35  |      |
| 14    | 1.41         | -0.50       | 0.00  | 0.00    | 0.00      | 75% :   | 1.89       | 0.27  |      |
| 18    | 1.00         | 0.00        | 0.01  | 0.02    | 0.02      | 84% :   | 2.05       | 0.24  |      |
| 25    | 0.71         | 0.50        | 0.53  | 1.23    | 1.26      | 95% :   | 2.39       | 0.19  |      |
| 35    | 0.50         | 1.00        | 6.16  | 14.29   | 15.55     |         |            |       |      |
| 45    | 0.35         | 1.50        | 13.93 | 32.35   | 47.90     | Med.    | 1.53       | 0.35  |      |
| 60    | 0.25         | 2.00        | 14.82 | 34.40   | 82.30     | Mean    | 1.53       | 0.35  |      |
| 80    | 0.18         | 2.50        | 7.05  | 16.36   | 98.66     | St Dev. | 0.53       |       |      |
| 120   | 0.13         | 3.00        | 0.41  | 0.95    | 99.61     | Skew    | -0.01      |       |      |
| 170   | 0.09         | 3.50        | 0.02  | 0.05    | 99.66     | Kurt.   | 0.96       |       |      |
| 200   | 0.07         | 3.75        | 0.00  | 0.01    | 99.67     |         |            |       |      |
| 230   | 0.06         | 4.00        | 0.00  | 0.01    | 99.67     |         |            |       |      |
| Pan   |              |             | 0.01  | 0.03    | 99.70     |         |            |       |      |
| Total |              |             | 42.94 | 99.70   | 99.70     |         |            |       |      |
|       |              |             |       |         |           | Moment  | Statistics |       |      |
|       |              |             |       |         |           |         | Phi        | mm    |      |
| Cu =  | 1.81         | Gravel      |       |         | 0         | %       | Mean       | 1.52  | 0.35 |
|       |              | Coarse Sand |       |         | 0         | %       | St. Dev.   | 0.50  | 0.71 |
|       |              | Med. Sand   |       |         | 32        | %       | Skewness   | -0.06 |      |
| Cc =  | 0.98         | Fine Sand   |       |         | 68        | %       | Kurtosis   | 2.55  |      |
|       |              | Silt/Clay   |       |         | 0         | %       |            |       |      |