

Table S1. Results from the granulometric analyses from the 50 grab samples in the Bagnoli-Coroglio calibration area. The results include the percentages from all granulometric classes (according to Udden & Wentworth) and the corresponding phi values (according to Krumbein).

| | 2000 to 4000 | 1000 to 2000 | 500 to 1000 | 250 to 500 | 250 to 125 | 63 to 125 | 31 to 63 | 16 to 31 | 8 to 16 | 4 to 8 | < 4 | μm | Udden & Wentworth |
|-----------|-----------------|-----------------------------|-----------------------|-----------------------|---------------------|---------------------------|------------------------|------------------------|----------------------|----------------------------|-------------|---------------|----------------------|
| | -2 to -1 | -1 to 0 | 0 to 1 | 1 to 2 | 2 to 3 | 3 to 4 | 4 to 5 | 5 to 6 | 6 to 7 | 7 to 8 | > 8 | phi | Krumbein |
| Sample ID | Gravel (G) % | Very Coarse Sand (VCS) % | Coarse Sand (CS) % | Medium Sand (MS) % | Fine Sand (FS) % | Very Fine Sand (VFS) % | Coarse Silt (CSi) % | Medium Silt (MSi) % | Fine Silt (FSi) % | Very fine silt (VFSi) % | Clay (C) | Mean Phi | Class |
| 2 | 1.4 | 8.2 | 18.5 | 19.6 | 34.0 | 14.9 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.86 | MS |
| 8 | 0.2 | 1.1 | 3.8 | 14.4 | 44.2 | 34.4 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.69 | FS |
| 10 | 0.1 | 2.9 | 25.2 | 43.0 | 25.0 | 2.9 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.52 | MS |
| 15 | 1.2 | 0.8 | 1.7 | 16.5 | 51.0 | 21.5 | 2.3 | 2.0 | 1.3 | 0.6 | 1.2 | 2.64 | FS |
| 16 | 8.3 | 11.2 | 22.1 | 24.3 | 16.6 | 15.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.38 | MS |
| 22 | 0.8 | 0.6 | 1.6 | 8.2 | 42.3 | 37.9 | 3.0 | 2.0 | 1.3 | 0.7 | 1.5 | 2.95 | FS |
| 28 | 2.9 | 2.3 | 2.9 | 6.2 | 26.3 | 32.8 | 5.4 | 3.3 | 4.3 | 4.7 | 9.1 | 3.95 | VFS |
| 32 | 1.0 | 0.6 | 0.9 | 5.1 | 30.0 | 52.2 | 4.4 | 1.9 | 1.4 | 0.7 | 2.0 | 3.14 | VFS |
| 39 | 2.1 | 1.2 | 1.7 | 13.5 | 58.1 | 19.1 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 2.58 | FS |
| 41 | 16.9 | 7.3 | 7.4 | 12.0 | 35.5 | 17.7 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1.49 | MS |
| 43 | 1.1 | 1.8 | 1.1 | 2.3 | 16.1 | 44.3 | 10.8 | 5.9 | 5.0 | 4.1 | 7.6 | 4.13 | CSi |
| 50 | 14.4 | 4.0 | 3.8 | 4.4 | 8.3 | 22.7 | 10.9 | 8.1 | 7.0 | 6.1 | 10.5 | 3.39 | VFS |
| 70 | 0.3 | 0.4 | 0.5 | 3.4 | 43.0 | 48.3 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 3.03 | VFS |
| 77 | 20.4 | 24.8 | 22.8 | 16.6 | 8.0 | 3.7 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.39 | CS |
| 82 | 0.9 | 0.7 | 3.4 | 18.2 | 60.0 | 14.3 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 2.37 | FS |
| 84 | 22.5 | 11.1 | 12.8 | 17.6 | 19.1 | 8.8 | 1.6 | 2.2 | 2.1 | 1.1 | 1.3 | 1.11 | MS |
| 90 | 21.0 | 11.2 | 16.3 | 25.0 | 20.2 | 3.9 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.86 | CS |
| 94 | 2.7 | 2.9 | 9.0 | 23.0 | 22.9 | 24.9 | 6.5 | 2.5 | 1.4 | 1.0 | 3.2 | 2.52 | FS |
| 96 | 0.4 | 1.1 | 2.5 | 8.7 | 70.4 | 16.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 2.55 | FS |
| 97 | 2.2 | 9.6 | 37.7 | 30.0 | 19.0 | 1.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.12 | MS |
| 98 | 0.4 | 1.9 | 14.1 | 41.3 | 37.6 | 4.4 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1.83 | MS |
| 99 | 4.4 | 14.9 | 44.0 | 32.7 | 3.7 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.71 | CS |
| 100 | 15.4 | 24.8 | 35.7 | 23.0 | 0.9 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.22 | CS |
| 101 | 19.1 | 32.6 | 34.9 | 12.0 | 1.2 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.04 | VCS |

| | | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 102 | 5.7 | 16.4 | 45.5 | 30.0 | 2.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.60 | CS |
| 103 | 0.3 | 0.5 | 1.5 | 5.6 | 56.9 | 34.1 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 2.76 | FS |
| 104 | 0.5 | 0.7 | 1.2 | 2.4 | 11.8 | 62.2 | 9.3 | 3.9 | 2.7 | 1.9 | 3.4 | 3.69 | VFS |
| 105 | 6.3 | 6.0 | 4.3 | 2.5 | 11.8 | 59.9 | 4.0 | 1.9 | 1.3 | 0.8 | 1.3 | 2.69 | FS |
| 106 | 4.1 | 25.6 | 15.7 | 3.5 | 5.6 | 36.0 | 5.1 | 1.9 | 1.0 | 0.6 | 0.9 | 1.83 | MS |
| 107 | 55.4 | 19.1 | 4.0 | 3.8 | 9.1 | 6.1 | 2.6 | 0.0 | 0.0 | 0.0 | 0.1 | 0.07 | CS |
| 108 | 2.0 | 1.5 | 2.6 | 6.9 | 11.8 | 48.1 | 14.6 | 5.0 | 2.6 | 1.7 | 3.3 | 3.52 | VFS |
| 109 | 2.8 | 7.5 | 10.5 | 9.4 | 16.3 | 43.9 | 4.7 | 1.8 | 1.1 | 0.7 | 1.2 | 2.50 | FS |
| 110 | 0.3 | 0.4 | 0.5 | 1.1 | 16.0 | 74.1 | 4.3 | 1.1 | 0.8 | 0.5 | 0.9 | 3.40 | VFS |
| 111 | 2.0 | 1.0 | 2.5 | 5.2 | 10.7 | 35.8 | 15.5 | 9.2 | 6.4 | 4.4 | 7.4 | 4.22 | CSi |
| 112 | 1.6 | 1.6 | 2.4 | 2.6 | 7.7 | 43.7 | 14.0 | 7.2 | 5.9 | 4.7 | 8.8 | 4.46 | CSi |
| 113 | 0.2 | 0.2 | 0.2 | 0.5 | 2.1 | 25.4 | 27.5 | 15.1 | 8.5 | 6.3 | 14.2 | 5.34 | MSi |
| 114 | 0.0 | 0.1 | 0.1 | 0.1 | 0.6 | 8.1 | 23.5 | 22.2 | 14.7 | 9.6 | 20.9 | 6.11 | FSi |
| 115 | 0.7 | 0.2 | 0.3 | 0.5 | 1.8 | 18.7 | 25.5 | 17.4 | 10.4 | 7.4 | 17.2 | 5.62 | MSi |
| 116 | 8.3 | 2.8 | 2.6 | 3.2 | 9.9 | 20.5 | 15.3 | 13.9 | 10.5 | 4.6 | 8.4 | 4.20 | CSi |
| 117 | 2.3 | 1.2 | 1.4 | 3.1 | 12.4 | 18.7 | 17.6 | 16.7 | 10.5 | 5.4 | 10.8 | 4.77 | CSi |
| 118 | 0.8 | 0.5 | 0.4 | 0.9 | 3.2 | 11.4 | 19.1 | 17.2 | 13.3 | 10.2 | 23.1 | 6.00 | FSi |
| 119 | 0.4 | 0.7 | 0.9 | 1.9 | 8.9 | 17.1 | 20.9 | 14.5 | 10.0 | 7.6 | 17.1 | 5.41 | MSi |
| 120 | 4.0 | 15.7 | 31.9 | 29.9 | 12.1 | 4.9 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.98 | CS |
| 121 | 0.2 | 0.3 | 0.3 | 0.5 | 3.1 | 14.2 | 21.2 | 16.9 | 12.3 | 9.4 | 21.6 | 5.89 | MSi |
| 122 | 0.3 | 0.2 | 0.2 | 0.3 | 0.6 | 7.4 | 19.8 | 18.6 | 15.0 | 11.9 | 25.9 | 6.31 | FSi |
| 123 | 18.3 | 17.0 | 14.5 | 11.0 | 12.9 | 15.1 | 3.0 | 1.6 | 1.6 | 1.7 | 3.4 | 1.23 | MS |
| 124 | 9.7 | 36.8 | 47.4 | 4.5 | 1.0 | 0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 | CS |
| 125 | 1.7 | 12.9 | 42.6 | 31.2 | 9.2 | 2.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.91 | CS |
| 126 | 20.4 | 30.3 | 26.3 | 14.3 | 6.6 | 1.7 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.16 | CS |
| 127 | 0.6 | 1.8 | 8.1 | 25.0 | 44.0 | 18.8 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 2.27 | FS |