

Table 1 - New York Apex Sediment Samples

| Sample ID | Longitude | Latitude | Gravel | Sand | Silt | Clay | Sedtype | Mean | Median | Stdev | Skewness | Kurtosis |
|-----------|-----------|----------|--------|-------|-------|--------|-----------|------|--------|-------|----------|----------|
| 95007 | 73.5088 | 40.4956 | 23.56 | 72.48 | 2.11 | 1.85 | GR-10% | 0.43 | 0.41 | 2.09 | 0.79 | 5.33 |
| 1 | 73.5135 | 40.4886 | 0 | 71.58 | 1.0 | 0.6 | GR-10% | 1.33 | 1.04 | 1.33 | 2.38 | 28.58 |
| 3 | 73.5538 | 40.4926 | 0 | 99.37 | 0.36 | 0.27 | SAND | 2.37 | 2.41 | 0.79 | 1.15 | 16.26 |
| 4 | 73.5161 | 40.4752 | 0 | 99.28 | 0.59 | 0.49 | SAND | 2.67 | 2.67 | 0.64 | 0.61 | 43.64 |
| 5 | 73.5222 | 40.4511 | 0.36 | 99.37 | 0.29 | 0.15 | SAND | 2.14 | 2.13 | 0.75 | 0.66 | 16.31 |
| 6 | 73.5328 | 40.4272 | 0 | 99.73 | 0.18 | 0.09 | SAND | 1.49 | 1.5 | 0.66 | 1.07 | 22.42 |
| 7 | 73.5242 | 40.4134 | 0 | 99.57 | 0.11 | 0.12 | SAND | 1.6 | 1.69 | 0.59 | 2.04 | 43.36 |
| 8 | 73.5107 | 40.4029 | 0.28 | 99.63 | 0.08 | 0.04 | SAND | 1.14 | 1.13 | 0.64 | 0.68 | 14.13 |
| 9 | 73.5668 | 40.4203 | 0 | 99.36 | 0.41 | 0.34 | SAND | 1.28 | 1.34 | 0.79 | 1.14 | 15.08 |
| 10 | 73.5691 | 40.4072 | 0 | 99.73 | 0.16 | 0.1 | GR-10% | 0.38 | 0.16 | 0.35 | 0.28 | 2.88 |
| 11 | 73.605 | 40.4213 | 0 | 99.75 | 0.16 | 0.09 | SAND | 1.65 | 1.74 | 0.52 | 2.25 | 51.72 |
| 12 | 73.6186 | 40.4112 | 11.3 | 88.42 | 0.17 | 0.11 | GR-10% | 0.47 | 0.33 | 1.09 | 0.01 | 7.28 |
| 13 | 73.6454 | 40.4048 | 0 | 99.79 | 0.14 | 0.07 | SAND | 0.54 | 0.76 | 0.59 | 2.2 | 42.47 |
| 14 | 73.6587 | 40.4262 | 0 | 99.81 | 1.03 | 0.21 | SAND | 2.86 | 2.86 | 0.9 | 2.28 | 35.18 |
| 15 | 73.6402 | 40.4494 | 0 | 98.31 | 0.36 | 0.2 | SAND | 1.1 | 1.18 | 0.98 | 0.73 | 11.55 |
| 16 | 73.6222 | 40.4488 | 14.62 | 85.29 | 0.06 | 0.03 | GR-10% | 0.24 | 0.24 | 1.17 | 0.17 | 3.01 |
| 17 | 73.5817 | 40.4518 | 0.35 | 99.25 | 0.26 | 0.14 | SAND | 1.68 | 1.76 | 0.68 | 1.22 | 26.71 |
| 18 | 73.6377 | 40.4408 | 0 | 99.49 | 0.37 | 0.3 | SAND | 2.56 | 2.95 | 0.96 | 2.22 | 44.71 |
| 19 | 73.5593 | 40.4481 | 23.28 | 73.77 | 1.93 | 1.02 | GR-10% | 1.81 | 1.26 | 2.3 | 2.04 | 0.51 |
| 20 | 73.5548 | 40.4514 | 0 | 98.58 | 0.82 | 0.61 | SAND | 2.72 | 2.82 | 0.77 | 2.08 | 31.49 |
| 21 | 73.5538 | 40.4583 | 0 | 99.2 | 0.51 | 0.29 | SAND | 2.47 | 2.49 | 0.73 | 1.42 | 23.89 |
| 22 | 73.5501 | 40.4582 | 0 | 99.37 | 0.4 | 0.23 | SAND | 2.06 | 2.17 | 0.76 | 1.43 | 19.22 |
| 23 | 73.5892 | 40.4686 | 54.66 | 91.41 | 1.56 | 0.91 | GR-10% | 1.51 | 2.89 | 1.0 | 0.5 | 3.4 |
| 24 | 73.5813 | 40.4723 | 0 | 99.38 | 0.36 | 0.26 | SAND | 2.45 | 2.45 | 0.65 | 1.78 | 34.95 |
| 25 | 73.5945 | 40.4862 | 0 | 99.33 | 0.34 | 0.15 | SAND | 0.9 | 0.99 | 0.7 | 1.97 | 37.34 |
| 26 | 73.6125 | 40.4865 | 33.45 | 66.17 | 0.25 | 0.13 | GR-10% | 0.07 | 0.49 | 1.68 | 0.01 | 0.96 |
| 27 | 73.6291 | 40.4921 | 41.76 | 58.03 | 0.14 | 0.07 | SAND | 0.1 | 0.05 | 1.11 | 1.11 | 1.11 |
| 28 | 73.6311 | 40.4799 | 21.56 | 77.93 | 0.3 | 0.18 | GR-10% | 0.22 | 0.11 | 0.78 | 0.78 | 0.78 |
| 29 | 73.6352 | 40.473 | 0 | 99.48 | 0.35 | 0.17 | SAND | 1.54 | 1.58 | 0.73 | 1.45 | 25.91 |
| 30 | 73.7248 | 40.4877 | 0 | 94.22 | 3.92 | 1.86 | SAND | 2.89 | 2.98 | 1.28 | 1.3 | 10.08 |
| 31 | 73.7567 | 40.4748 | 0 | 90.33 | 6.88 | 2.8 | SAND | 3.17 | 3.31 | 1.4 | 1.22 | 7.62 |
| 32 | 73.8161 | 40.4822 | 0 | 99.79 | 13.8 | 3.9 | SAND | 3.11 | 3.77 | 1.4 | 2.81 | 17.31 |
| 33 | 73.833 | 40.4649 | 99.25 | 0.35 | 0.1 | GR-10% | 0.43 | 0.53 | 0.89 | 6.01 | 15.08 | |
| 34 | 73.8314 | 40.4531 | 0 | 99.15 | 22.55 | 10.31 | SILT/SAND | 3.69 | 4.57 | 2.03 | 0.6 | 2.7 |
| 35 | 73.8106 | 40.4508 | 0.66 | 80.5 | 13.05 | 5.78 | SAND | 3.23 | 3.62 | 2.0 | 1.94 | 2.51 |
| 36 | 73.8378 | 40.4237 | 44.99 | 54.87 | 0.1 | 0.03 | GR-10% | 0.46 | 0.64 | 2.18 | 0.02 | 1.39 |
| 37 | 73.8166 | 40.4203 | 0 | 99.33 | 11.61 | 3.8 | CLSILT | 3.18 | 3.49 | 1.5 | 1.88 | 14.36 |
| 38 | 73.803 | 40.3819 | 61.88 | 0 | 7.86 | 3.34 | CLSILT | 2.06 | 0.61 | 3.4 | 0.67 | 0.97 |
| 39 | 73.8157 | 40.4132 | 1.84 | 72.68 | 16.86 | 8.61 | SILT/SAND | 3.21 | 3.73 | 2.36 | 0.6 | 2.58 |
| 40 | 73.7752 | 40.4092 | 0 | 77.73 | 15.53 | 6.74 | SAND | 3.56 | 4.14 | 1.75 | 0.93 | 0.44 |
| 41 | 73.7842 | 40.4129 | 0.25 | 96.89 | 2.48 | 1.63 | SAND | 3.32 | 3.38 | 0.62 | 1.14 | 28.56 |
| 42 | 73.7269 | 40.4295 | 0 | 98.76 | 0.88 | 0.36 | SAND | 1.81 | 1.8 | 0.78 | 2.2 | 33.12 |
| 43 | 73.6943 | 40.4222 | 0 | 99.11 | 0.62 | 0.22 | SAND | 2.12 | 2.2 | 1.52 | 20.98 | |
| 44 | 73.6762 | 40.4228 | 0 | 97.19 | 1.67 | 1.15 | SAND | 3.26 | 3.25 | 0.89 | 2.02 | 25.29 |
| 45 | 73.7288 | 40.4534 | 0 | 90.32 | 6.03 | 3.43 | SAND | 3 | 3.25 | 1.36 | 1.11 | 6.12 |
| 46 | 73.7396 | 40.4231 | 0 | 99.33 | 1.93 | 1.3 | SAND | 2.9 | 3.1 | 1.53 | 0.7 | 5.79 |
| 47 | 73.8336 | 40.3916 | 0 | 12.76 | 59.63 | 27.61 | CLSILT | 6.64 | 6.56 | 2.09 | 0.31 | 0.31 |
| 48 | 73.7996 | 40.3913 | 0 | 49.79 | 14.82 | 9.1 | SILT/SAND | 3.02 | 5.11 | 0.76 | 2.22 | 0.76 |
| 49 | 73.7668 | 40.3913 | 0 | 97.75 | 1.52 | 0.73 | SAND | 2.46 | 2.55 | 1.37 | 1.7 | 15 |
| 50 | 73.7322 | 40.3914 | 0 | 99.3 | 0.48 | 0.22 | SAND | 2.13 | 2.15 | 0.69 | 1.71 | 28.28 |
| 51 | 73.6966 | 40.3915 | 0 | 99.18 | 0.57 | 0.25 | SAND | 2.39 | 2.39 | 0.76 | 1.17 | 18.33 |
| 96004 | 73.81308 | 40.56086 | 0.23 | 94.75 | 4.38 | 0.64 | SAND | 3.32 | 3.36 | 0.76 | 1.47 | 29.85 |
| 1 | 73.81374 | 40.53318 | 0.39 | 97.48 | 1.77 | 0.36 | SAND | 3.31 | 3.39 | 0.69 | 0.76 | 37.59 |
| 9 | 73.7956 | 40.53691 | 0.16 | 96.07 | 2.4 | 1.38 | SAND | 3.33 | 3.31 | 0.94 | 1.93 | 24.16 |
| 10 | 73.7963 | 40.52358 | 0.64 | 96.75 | 1.93 | 0.68 | SAND | 3.16 | 3.21 | 0.82 | 1.08 | 29.41 |
| 11 | 73.79508 | 40.56061 | 0.05 | 96.49 | 3.07 | 0.4 | SAND | 3.1 | 3.2 | 0.77 | 0.94 | 18.9 |
| 14 | 73.77763 | 40.54338 | 0.83 | 96.41 | 2.17 | 1.36 | SAND | 2.9 | 2.99 | 0.9 | 0.9 | 14.36 |
| 15 | 73.77763 | 40.54338 | 0.83 | 96.41 | 2.17 | 1.36 | SAND | 2.9 | 2.99 | 0.9 | 0.9 | 14.36 |
| 17 | 73.76511 | 40.52904 | 0.04 | 97.12 | 2.34 | 0.44 | SAND | 2.73 | 2.66 | 0.82 | 1.21 | 21.06 |
| 19 | 73.76411 | 40.5534 | 0.03 | 98.58 | 1.09 | 0.31 | SAND | 2.39 | 2.31 | 0.86 | 1.07 | 21.96 |
| 21 | 73.76367 | 40.56703 | 0.18 | 95.06 | 2.8 | 1.68 | SAND | 2.8 | 2.85 | 1.378 | 13.68 | |
| 23 | 73.75187 | 40.54043 | 0.13 | 99.02 | 0.73 | 0.27 | SAND | 2.83 | 2.85 | 0.97 | 1.02 | 10.27 |
| 25 | 73.75187 | 40.54043 | 0.13 | 99.02 | 0.73 | 0.27 | SAND | 2.83 | 2.85 | 0.97 | 1.02 | 10.27 |
| 27 | 73.72826 | 40.53927 | 0.14 | 98.14 | 1.36 | 0.36 | SAND | 2.65 | 2.63 | 0.83 | 0.93 | 15.66 |
| 28 | 73.73287 | 40.54964 | 0.03 | 98.96 | 0.87 | 0.14 | SAND | 2.04 | 1.92 | 0.76 | 1.04 | 13.52 |
| 30 | 73.7191 | 40.57025 | 0.31 | 96.91 | 0.97 | 0.62 | SAND | 3.02 | 3.03 | 1.14 | 1.45 | 18.33 |
| 32 | 73.71901 | 40.55974 | 3.48 | 95.63 | 0.6 | 0.29 | SAND | 1.41 | 1.48 | 1.12 | 0.99 | 11.97 |
| 34 | 73.71506 | 40.53888 | 0.13 | 99.65 | 0.17 | 0.05 | SAND | 1.84 | 1.73 | 0.61 | 0.45 | 15.45 |
| 36 | 73.70087 | 40.56292 | 23.69 | 75.3 | 0.76 | 0.24 | GR-10% | 0.17 | 0.35 | 1.59 | 0.25 | 2.94 |
| 38 | 73.70126 | 40.54936 | 1.36 | 97.34 | 0.88 | 0.42 | SAND | 1.35 | 1.35 | 1.02 | 1.26 | 19.15 |
| 40 | 73.67893 | 40.53871 | 0.2 | 99.1 | 1.61 | 0.29 | SAND | 2.86 | 2.82 | 0.74 | 0.95 | 20.36 |
| 43 | 73.67862 | 40.55934 | 0.49 | 93.94 | 4.71 | 0.86 | SAND | 2.58 | 2.48 | 1.2 | 1.2 | 8.57 |
| 45 | 73.66464 | 40.5695 | 33.32 | 66.54 | 0.09 | 0.05 | GR-10% | 0.02 | 0.09 | 1.46 | 0.06 | 0.13 |
| 46 | 73.66516 | 40.5486 | 0.85 | 88.06 | 3.7 | 2.1 | SAND | 3.71 | 3.71 | 1.96 | 1.96 | 8.8 |
| 51 | 73.65173 | 40.53822 | 26.95 | 72.54 | 0.15 | 0.15 | GR-10% | 0.57 | 0.84 | 1.82 | 0.82 | 0.82 |
| 53 | 73.64727 | 40.55884 | 0.52 | 98.85 | 0.51 | 0.12 | SAND | 1.8 | 1.73 | 0.7 | 0.9 | 23.27 |
| 55 | 73.62443 | 40.56553 | 0 | 86.86 | 0.93 | 0.38 | SAND | 3.74 | 3.47 | 1.34 | 1.53 | 9.5 |
| 58 | 73.62475 | 40.53135 | 24.56 | 74.87 | 0.36 | 0.21 | GR-10% | 0.52 | 0.96 | 1.64 | 0.13 | 3.58 |
| 60 | 73.6199 | 40.56011 | 0.61 | 99.02 | 0.91 | 0.74 | SAND | 2.99 | 3.09 | 1.1 | 1.1 | 20.63 |
| 61 | 73.60612 | 40.56531 | 0 | 99.02 | 0.31 | 0.07 | SAND | 0.98 | 0.9 | 0.7 | 1.15 | 20.63 |
| 63 | 73.59773 | 40.54123 | 1.21 | 98.02 | 0.59 | 0.18 | SAND | 2.39 | 2.43 | 0.95 | 0.83 | 19.35 |
| 67 | 73.58879 | 40.55513 | 0.22 | 98.56 | 0.98 | 0.23 | SAND | 2.26 | 2.28 | 0.76 | 1.13 | 21.08 |
| 69 | 73.57472 | 40.56495 | 0 | 99.37 | 0.49 | 0.13 | SAND | 2.44 | 2.45 | 0.54 | 1.8 | 41.77 |
| 71 | 73.57161 | 40.54971 | 4.2 | 91.2 | 0.51 | 0.4 | GR-10% | 0.74 | 0.81 | 0.95 | 0.8 | 8.36 |
| 74 | 73.5754 | 40.534 | 35.97 | 40.33 | 16.05 | 7.66 | GR-10% | 1.44 | 2.6 | 0.76 | 0.34 | 0.34 |
| 76 | 73.5774 | 40.52722 | 0 | 98.35 | 0.17 | 0.77 | SAND | 2.97 | 2.85 | 0.76 | 2.63 | 38.83 |
| 78 | 73.557 | 40.54732 | 0 | 99.88 | 0.8 | 0.02 | SAND | 1.49 | 1.48 | 0.56 | 0.63 | 13.01 |
| 81 | 73.5495 | 40.5754 | 0 | 97.31 | 1.96 | 1.21 | SAND | 3.92 | 3.94 | 1.71 | 1.86 | 18.16 |
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