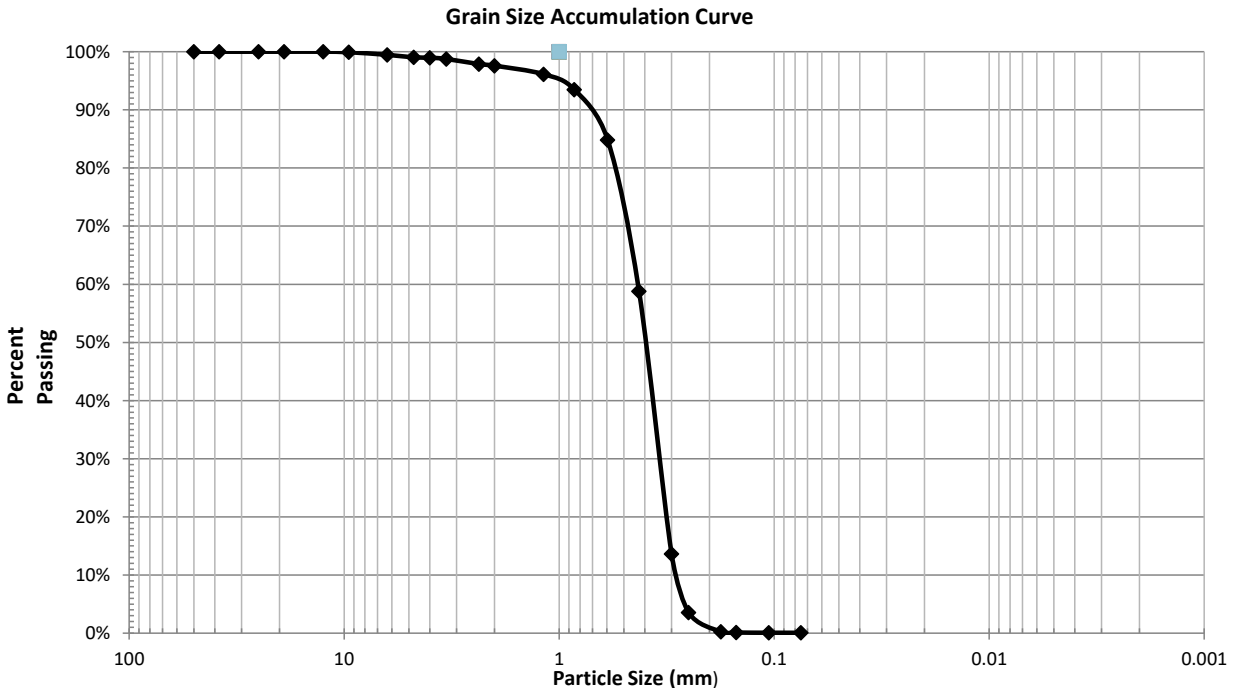
TWIN PEAKS
DELIVERING EXCELLENCE IN QUALITY SINCE 1992
37-39 30th St. Long Island City, NY 11101 T: (718)-482-1911 F: (718)-482-7767



| | | | |
|---|---|---|---|
| **CLIENT NAME:** | Norfolk Dredging Company | **DATE ANALYZED:** | 5/28/2025 |
| **PROJECT NAME:** | W912DS-24-C0014 Fire Island and Shores | **TPI PROJECT NO.:** | 2400370 |
| **PROJECT ADDRESS:** | Fire Inland Inlet | **CCTL NO. :** | 8746 |
| **MATERIAL DESCRIPTION:** | Beach Sand (Eastern Deposition Basin) | **DATE RECEIVED:** | 2/19/2025 |
| | | **TECHNICIAN:** | G. Delos Santos |

# PARTICLE SIZE ANALYSIS OF SOILS BY WENTWORTH SCALE

*The material from the above project, labeled as indicated in the sample ID section above, was analyzed with the following results.*



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**SIEVE ANALYSIS**

| Sieve Size | Percent Passing | Percent Retained | Wenthworth Classification |
|---|---|---|---|
| 2 IN (50 mm) | 100.0% | 0.0% | Very Large Pebble |
| 1 1/2 IN (38.1 mm) | 100.0% | 0.0% | |
| 1 IN (25 mm) | 100.0% | 0.0% | Large Pebble |
| 3/4 IN (19 mm) | 100.0% | 0.0% | |
| 1/2 IN (12.5 mm) | 100.0% | 0.0% | Meddium Pebble |
| 3/8 IN (9.5 mm) | 99.9% | 0.1% | |
| 1/4 IN (6.3 mm) | 99.5% | 0.5% | Small Pebble |
| No. 4 (4.75 mm) | 99.0% | 1.0% | |
| No. 5 (4.0 mm) | 99.0% | 1.0% | Granule |
| No. 6 (3.35 mm) | 98.8% | 1.2% | |
| No. 8 (2.36 mm) | 97.9% | 2.1% | |
| No. 10 (2.0 mm) | 97.6% | 2.4% | Very coarse sand |
| No 16 (1.19 mm) | 96.1% | 3.9% | |
| No. 20 (0.84 mm) | 93.5% | 6.5% | Coarse sand |
| No. 30 ( 0.59 mm) | 84.8% | 15.2% | |
| NO. 40 (0.42mm) | 58.8% | 41.2% | Medium sand |
| NO. 50 (0.30 mm) | 13.6% | 86.4% | |
| No. 60 ( 0.25mm) | 3.6% | 96.4% | Fine sand |
| NO. 80 (0.18 mm) | 0.2% | 99.8% | |
| NO. 100 (0.15 mm) | 0.1% | 99.9% | |
| NO. 140 (0.11 mm) | 0.1% | 99.9% | Very fine sand |
| NO. 200 (0.76 mm) | 0.1% | 99.9% | |

Remarks: Material was sampled and delivered by the client
Moisture content of sample upon receipt is 22.1%, as determined by test method ASTM D2216

All general information listed in this report, location and project where the test specimens were prepared is as provided to us by the Client. All reports are confidential property of the Client, and information contained herein may not be published or reproduced without our written approval.

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My P.E. seal must appear in blue ink only
Otherwise this document is null and void

5/28/2025
Date

*New York City Qualification No. 3*